

# TSU Catalog of Foreign-Language Programs 2022



<b>Program Title</b>	<b>Chemistry</b>
<b>Studie Level</b>	Bachelor Program
<b>Program Prerequisites</b>	<p>For Georgian students:</p> <ul style="list-style-type: none"> <li>National exams.</li> </ul> <p>For Foreign students:</p> <ul style="list-style-type: none"> <li>In accordance with Georgian legislation;</li> <li>One of the following valid English language certificates: Cambridge English First Certificate ( Band C,B,A), IELTS (Band 5,5 and more), TOEFL (Internet - based- 65 and more; TOEFL (Paper -based- 513 and more) or English Language B2 level admission exam at TSU;</li> <li>Admission by mobility will be available twice per year in accordance with Georgian legislation and regulations of TSU.</li> </ul>
<b>Language</b>	English
<b>Awarded Qualification</b>	Bachelor of Science (BSc) in Chemistry
<b>Length of the Program</b>	8 Semester
<b>Program ECTS</b>	240
<b>Tuition fee</b>	<p>2250 GEL for Georgian students</p> <p>10,000 GEL for Foreign students</p>
<b>Department / Institute</b>	TSU II building, Tchavtchavadze Ave 3, 0179, Tbilisi
<b>Faculty</b>	<p>Faculty of Exact and Natural Sciences</p> <p>Department of Chemistry</p>
<b>Contact Persons</b>	<p>Program Head: TSU Asist. Professor Giorgi Jibuti</p> <p>E-mail: <a href="mailto:giorgi.jibuti@tsu.ge">giorgi.jibuti@tsu.ge</a></p> <p>599157420</p>
<b>Program Structure</b>	
<b>Status of the Course</b>	ECTS
<b>General Compulsory Study Course</b>	57
<b>Major Study Courses</b>	141
<b>Elective Study Courses</b>	42
<b>Total</b>	240

### Goal of the Program

The main goals of this program are to:

- Prepare specialists with good knowledge in fundamental chemistry disciplines for future professional work or research carrier;
- Also, with the ability to communicate and present their own knowledge or work, with the broad general education and with the ability to perform executed obligations responsibly and efficiently.

### Learning/Teaching methods

- Work in group
- Laboratory
- Electronic learning
- Discussion
- Presentation
- Explanatory method
- Brainstorming
- Analysis and synthesis method
- Flipped classroom - the lectures have been prerecorded and are available online. The lectures are to be watched as “homework” prior to coming to class. The class time will be used to work on problems and master the topics covered in the lectures.

### Evaluation System

The student’s knowledge is being evaluated according to the following system: “Excellent”, “Very good”, “Good”, “Satisfactory”, “Sufficient”, “Marginal fail” and “Fail”

A student is evaluated in accordance with the following principle:

Scores	Evaluation	Classification of Evaluation	GPA of Evaluation
91 and more	(A) “Excellent”	Positive	4.0
81 -90	(B) “Very good”	Positive	3.0
71 -80	(C) “Good”	Positive	2.0
61 -70	(D) “Satisfactory”	Positive	1.0
51 -60	(E) “Sufficient”	Positive	0.5
41 -50	(FX) “Marginal Fail”	Negative	0
40 and below	(F) “Fail”	Negative	0

The student’s final mark in a specific subject is determined by the number of point collected by him/her in the different components (lecture, seminar, practical

studies, laboratory exercises) in the course of interim and final (examination) evaluation.

The maximum a viable point in each course is 100. Final exam does not exceed 40 points, interim evaluation represents a combination of test scores, presentation in the class, and team or individual projects. The weight of each components are different for different course and are defined in syllabuses

Grading System of the CS Program is consistent with the TSU standard grading system:

Evaluation	Scores	GPA
A	91-100	4.0
B	81-90	3.0
C	71-80	2.0
D	61-70	1.0
E	51-60	0.5
F-FX	0-50	0.0

### Program Learning Autcomes

After completing this program, students will be able to:

#### **Knowledge and Comprehension**

- Formulate facts, concepts and principles for major fields in chemistry such as general, inorganic, organic, polymer, analytical, physical and biochemistry;
- Describe functions and design of chemical equipment;
- Classify matter and its change from microscopic to macroscopic level.

#### **Applying knowledge/ skills**

- Work in labs safely and efficiently;
- Perform stoichiometric, analytical, thermodynamic, kinetic and quantum-mechanical calculations;
- Work in groups or individually on various projects;
- Demonstrate their professional and general knowledge orally and in written form.

#### **Independence and responsibility**

- Independently plan and perform chemical experiments;
- Describe (report) research results and conclusions;
- Critically analyze modern theories and information available in the field of chemical sciences to solve existing problems;
- Preform professional work with responsibility.

### **Fields of Employment**

After completing the Chemistry program, students will be able to find employment in the following fields:

- Teaching-research institution with corresponding field of work;
- Companies with chemistry/biochemistry research and production;
- Chemical/Biochemical laboratories, e.g., agriculture, environmental monitoring, industrial, pharmaceutical, food quality control, forensic and chemical/biochemical defense laboratories;
- Chemical production and application fields, such as agricultural and pharmaceutical industries;
- Food and light industry.

Program title	
Applied Biosciences	
<b>Study Level</b>	MA
<b>Program Prerequisites</b>	<ul style="list-style-type: none"> <li>• Admission to the Master's program "Applied Biosciences" meets the general TSU graduate admission requirements</li> <li>• Applicants should have a bachelor's degree diploma (or qualifications recognized as equivalent) in a relevant field: Biology, Applied Biology/Biosciences, Life Sciences, Natural Sciences, Biomedicine, Medicine, Healthcare, Pharmacology, Pharmacy, Psychology, Ecology, Environmental Sciences, Agrarian/Agricultural Sciences who had at least 15 ECTS credits in</li> <li>• Applicants with a bachelor's degree diploma (or qualifications recognized as equivalent) who have passed Minor Programs in Biology or Applied Biology/Biosciences.</li> <li>• To be admitted to the English-language program Georgian Citizens should pass the Unified Master's exam and the exam in General Biology.</li> <li>• The enrollment of the foreign nationals and the people without citizenship is regulated by the legislation from the Georgian Ministry of Education and Science.</li> </ul>
<b>Language</b>	English
<b>Awarded Qualification</b>	MSc in Applied Biosciences and Biotechnology
<b>Length of the Program</b>	4 Semester
<b>ECTS</b>	120 credits
<b>Tuition fee</b>	USD 3 000
<b>Department / Institute</b>	TSU II Build. Chavchavadze Ave. 3, TSU XI Build. University st. 13
<b>Faculty</b>	Faculty of Exact and Natural Sciences
	Department of Biology
<b>Contact Persons</b>	Program Director – Dr. Elena Cherkezia
	Tel.: 595308080
	E-mail: echer29@gmail.com
<b>Program Structure</b>	
<b>Status of the Course</b>	ECTS
<b>General Compulsory Courses</b>	60
<b>Specialization Core Optional Courses</b>	10
<b>Optional Courses</b>	20

<b>Master's Thesis</b>	30
<b>Minor program</b>	-
<b>Total</b>	120 credits
<b>Goal of the Program</b>	
<p>The program aims to:</p> <ul style="list-style-type: none"> <li>➤ Provide courses of study which meet the standards of TSU Quality Assurance Office and the National Center for Educational Quality Enhancement;</li> <li>➤ Produce qualified specialists in multidisciplinary field of applied biosciences. On the basis of four-strand modules (in Healthcare Biotechnology, Food Biotechnology, Agrobiotechnology and Environmental Biotechnology) the program goal is to equip students with the fundamental knowledge in core disciplines of Biosciences such as Genomics; Microbial Techniques; Applied Toxicology; Principles of Biosecurity; Legislative, Ethical and Commercial Principles of Biosciences, as well as in specialized areas of Healthcare Biotechnology, Food Biotechnology, Agrobiotechnology and Environmental Biotechnology;</li> <li>➤ Prepare qualified specialists with the ability to apply their knowledge and understanding in practice, act adequately in new multidiscipline environment, handle complex problems by means of innovative original approaches, and to conduct independent research by using modern methods and techniques;</li> <li>➤ Produce graduates who have a range of core skills including: the ability to formulate judgements with incomplete or limited information reflecting on social and ethical responsibilities; the ability to extract, critically analyze, and innovatively synthesize information; the ability to communicate the data and conclusions to specialist and non-specialist audiences clearly and unambiguously; skills to continue to study in a manner that may be largely self-directed or autonomous; the ability to evaluate attitude towards values and participate in creation and implementation of new values;</li> <li>➤ Contribute in the students' personal development (communication, language knowledge, etc.) and their involvement to the scientific-research, as well as social activities including participations at conferences, meetings, seminars, exhibitions, etc.</li> <li>➤ Prepare qualified specialists with the knowledge and skills suitable for: subject-related career in research, teaching or management in educational and research institutions, industry or government agencies; general careers with the emphasis on non-subject-specific skills or to continue more advanced studies.</li> </ul>	
<b>Learning/Teaching methods</b>	
<ul style="list-style-type: none"> <li>• Verbal, or oral method;</li> <li>• Presentation (PowerPoint);</li> <li>• Laboratory and practical methods</li> <li>• Method of demonstration;</li> <li>• Explanatory method;</li> <li>• Discussion, brainstorming;</li> <li>• Group work (cooperative / collaborative);</li> <li>• Case study;</li> <li>• Action-oriented teaching</li> </ul>	
<b>Evaluation System</b>	
<p>91 and more - (A) "Excellent"</p> <p>81 -90 - (B) "Very good"</p> <p>71 -80 - (C) "Good"</p>	

61 -70 - (D) "Satisfactory"  
51 -60 ( - E) "Sufficient"  
41 -50 - (FX) "Marginal Fail"  
40 and below ( - F) "Fail"

### **Program Learning Autcomes**

#### **A. KNOWLEDGE AND UNDERSTANDING**

**A1** Knowledge in research design and methodology; knowledge of statistical methods; systemic knowledge of legislative, commercial and ethical principles of biosciences.

**A2** In-depth and systemic knowledge of fundamental disciplines of Applied Biosciences (Genomics; Microbial Techniques; Applied Toxicology; Principles of Biosecurity, etc).

**A3** Fundamental knowledge of field-specific subjects in Healthcare Biotechnology, Food Biotechnology, Environmental Biotechnology and Agrobiotechnology.

#### **Healthcare Biotechnology**

Upon the successful completion of the course students will:

- Possess deep knowledge of the complex nature of genome, the molecular-genetic and cell processes occurring in living organisms at the different stages of ontogenesis.
- Express fundamental knowledge in applied toxicology; be able to evaluate the prospective risks of different types of intoxication; their damage effect to the organism; define biological parameters for making toxicological prognosis.
- Express in-depth knowledge of methods in clinical diagnostics, particularly in clinical biochemistry, clinical physiology, immunology, hematology and transfusiology, cytogenetics and cyto and histodiagnosics.
- Possess in-depth knowledge of structural-functional changes on cell and tissue level during the development of pathology.

#### **Food Biotechnology**

Upon the successful completion of the course students will:

- Possess deep and systematic knowledge of the tendencies of modern food biotechnology, food and food raw products technologies, and the areas of their application;
- Express the knowledge of food and food raw products' chemistry, qualitative and quantitative parameters;
- Possess the understanding of the principles of food safety and quality;
- Express the in-depth knowledge of food technological schemes, the ways to reach economical efficiency and optimal organization of food production/distribution networks.
- Express the knowledge of the food impact on human health and the principles of healthy nutrition.

#### **Agrobiotechnology**

Upon the successful completion of the course students will:

- Demonstrate the in-depth knowledge of approaches in modern agrobiotechnology and their applications in plant science, animal reproduction and microbial biotechnology; define the approaches of biodiversity conservation and safety.
- Express systematic knowledge of agrobiodiversity, the types of agroecosystems and the ecological perspectives of agriculture;
- Gain knowledge in alternative agroecosystems, industry and perspectives.

#### **Environmental Biotechnology**



**Upon the successful completion of the course students will:**

- Obtain the in-depth and systematic knowledge of environmental pollutants and the ways to reduce the harmful effects of environmental pollution; develop key competencies in integrated management of natural resources as well as on the development, implementation and management of sustainable biotechnology.
- Demonstrate the fundamental knowledge of health impact of environmental factors; the main groups of diseases caused by environmental pollution and the ways of prevention;
- Express the understanding of main principles of environmental law, politics and strategies worldwide as well as on National level;
- Demonstrate the in-depth knowledge of environmental chemistry and environmental monitoring.

**B. APPLYING KNOWLEDGE IN PRACTICE**

**B1** Identification of complex problems and problem solving abilities in new or unfamiliar environments within multidisciplinary contexts related to the field of applied biosciences.

**B2** Independent research by using modern approaches and methodology.

**Healthcare Biotechnology**

- Will express the practical knowledge of methods in clinical physiology; clinical immunology and microbiology; hematology and transfusiology; cytogenetics and cyto and histochemistry.

**Food Biotechnology**

- Be able to determine the chemical composition and qualitative and quantitative parameters of food and food raw materials;
- Demonstrate the practical knowledge of methods of laboratory analysis and the modern approaches in studying the food and food raw materials;
- Demonstrate and implement the knowledge of the main principles of Good Manufacturing Practice (GMP) and Good Hygienic Practice (GHP) in food industry.

**Agrobiotechnology**

- Use in practice the knowledge of the main methods and approaches in modern agrobiotechnology.

**Environmental Biotechnology**

- Express the practical knowledge of the methods in environmental biotechnology; perform risk analysis.

**C. MAKING JUDGEMENTS**

**C1** The ability to formulate judgements on the basis of incomplete or limited information, including social and ethical responsibilities linked to the application of knowledge and judgments.

**C2** The ability of innovative synthesis of information.

**D. COMMUNICATION**

**D1** The ability to present the conclusions and the knowledge, and communicate with specialist and non-specialist audiences clearly and unambiguously.

**E. LEARNING SKILLS**

**E1** The ability to continue learning independently; understanding of learning process and strategy planning.

**F. VALUES**

**F1** The ability to elaborate attitude towards values and participate in creation and implementation of new values.

**F2** The appreciation of principles and standards of bioethics

**F3** The appreciation of fairness in all kinds of professional activity ( negation of plagiarism, cheating, etc.)

### **Fields of Employment**

The graduates of the program have a wide range of employment opportunities. The potential employers of the MSc Applied Biosciences graduates include scientific research laboratories, clinical laboratories and diagnostic centers, pharmacological and pharmaceutical companies, analytical services, agroindustry, food processing, supply, safe and sale services, etc. Along with the subject-related career in research, teaching or management in industry or government agencies the graduates can follow general careers with the emphasis on non-subject-specific skills.

<b>Program title</b>	<b>Bachelor Program in Economics</b>
<b>Studie Level</b>	Bachelor Program
<b>Program Prerequisites</b>	<p><b>Local Students:</b></p> <ul style="list-style-type: none"> <li>• Holding School Certificate</li> </ul> <p>Successfully passing of the Unified National Examinations. The candidates are required to prove themselves in the following competences:</p> <ul style="list-style-type: none"> <li>- English language, minimum level of competence: 65%+1</li> <li>- Mathematics, minimum level of competence: 50%+1</li> <li>- Georgian language and literature, minimum level of competence set by the Unified National Examinations.</li> </ul> <p><b>International Students:</b></p> <ul style="list-style-type: none"> <li>• Holding relevant state certificate or an equivalent document on full completion of a secondary education in foreign country.</li> <li>• Those candidates whose native language is not English, are required to present a certificate of English language competence with the minimum level of B2 or prove their competences during the interview (explained below).</li> <li>• Passing the test in Mathematics organized by ISET.</li> <li>• Attending the online interviews conducted by the ISET Admissions Committee. Applicants are expected to demonstrate their general math skills and English language knowledge</li> </ul>
<b>Language</b>	English
<b>Awarded Qualification</b>	<b>Bachelor of Economics</b>
<b>Length of the Program</b>	8 Semester
<b>Program ECTS</b>	240

<b>Tuition fee</b>	2250 GEL - For local students
	3000 USD equivalent in GEL - For international students
<b>Department / Institute</b>	Ivane Javakhishvili Tbilisi State University (TSU) - International School of Economics at TSU (ISET)
<b>Faculty</b>	Faculty of Economics and Business
	International School of Economics at TSU (ISET)
	ISET Director: Tamar Sulukhia, PhD
	Program Head: Zurab Abramishvili, PhD
	Tel.: +995 032 2507177
	E-mail: info@iset.ge
Program Structure	
<b>Status of the Course</b>	ECTS
<b>Faculty Compulsory Study Courses</b>	160 ECTS
<b>Major Study Courses</b>	25 ECTS (15 ECTS Research/Applied Project and 10 ECTS Internship)
<b>Elective Study Courses</b>	35 ECTS
<b>Minor program</b>	20 ECTS (free credit)

<b>Total</b>	240 ECTS
<b>Goal of the Program</b>	
<p>The aim of BA program is to train students to complete first-rate applied research, to be autonomous in their decision-making and build their knowledge and understating of economic concepts.</p> <p>To achieve this objective, the program combines theoretical education, offered in the English language, following the best standards set by leading institutions and programs worldwide, with strong practical training through a variety of functional and technical activities built into the curriculum.</p>	
<b>Learning/Teaching methods</b>	
<ul style="list-style-type: none"> <li>✓ Interactive lectures/seminars</li> <li>✓ Debates/Discussions, Brainshtorming</li> <li>✓ Presentations</li> <li>✓ STATA/R Sessions</li> <li>✓ Case/Problem/Role play-based learning</li> <li>✓ Individual and Group Work</li> <li>✓ Homework assigments, Quiz</li> <li>✓ Presentations</li> <li>✓ Debates/Discussions, Brainshtorming</li> <li>✓ Case/Problem/Role play-based learning</li> <li>✓ The critical analysis method</li> </ul>	

## Evaluation System

Student's knowledge is evaluated using the following grading scale: "Excellent", "Very good", "Good", "Satisfactory", "Sufficient", "Marginal fail" and "Fail".

Scores	Designation	Classification of Evaluation
91-100	(A) "Excellent"	Positive
81-90	(B) "Very good"	Positive
71-80	(C) "Good"	Positive
61-70	(D) "Satisfactory"	Positive
51-60	(E) "Sufficient"	Positive
41-50	(FX) "Marginal Fail" (Failed with the rights to the additional exam)	Negative
0-40	(F) "Fail" (Student should retake the teaching course)	Negative

## Program Learning Outcomes

By the end of the study and after successful completion of the master program, students:

Knowledge and understanding of:

- ✓ Modern technologies for economic research planning;
- ✓ Regulating a framework of a particular sector of the economy;
- ✓ Problems, challenges, and opportunities in particular sectors of the economy.

Skills:

- ✓ Design economic policy;
- ✓ Implement and monitor economic policy;
- ✓ Design solutions to the challenges of a particular sector of the economy.

Responsibility and Autonomy:

- ✓ Professional communication skills and adaptation to working environments;
- ✓ Follow the “brand” standards of an organization;
- ✓ Conduct internal relations with colleagues;
- ✓ Quickly analyze problems and find solutions;
- ✓ Determine possible problems or challenges in advance and devise solutions;
- ✓ Fulfil an assigned task within a given deadline;
- ✓ Determine the needs and perspectives of career development;
- ✓ Find possible problems or challenges and different forms of solution;
- ✓ Perform tasks to a deadline.

### **Fields of Employment**

Particular attention is paid to promoting graduate employment after employment at the undergraduate program, employment for a successful career in the labor market and / or academic career. In the last year of study, an employment orientation session (non-compulsory activity) is offered, during which the student is offered an optimal career choice and employment potential.

Undergraduate students will be employed in both the public sector (the National Bank of Georgia, Ministry of Finance, Ministry of Economy and Sustainable Development, Competition Agency, National Statistics Office, State Audit Office, Georgian National Energy and Water Supply regulatory Commission and well as the private sector. Commercial banks, international organizations, etc.)

<b>Program title</b>	<b>Master Program in Economics</b>
<b>Study Level</b>	<b>Master Program</b>
<b>Program Prerequisites</b>	<p><b>Local Students:</b></p> <ul style="list-style-type: none"> <li>• Holding Bachelor's Degree Diploma (from any accredited higher education institution).</li> <li>• Successfully passing General Skills Examination held by NAEC</li> <li>• Successfully passing of internal entrance exams in Mathematics and English (B2 level) organized by ISET.</li> </ul> <p><b>International Students:</b></p> <ul style="list-style-type: none"> <li>✓ <u>Regional Students (from Armenia and Azerbaijan) applicants:</u> <ul style="list-style-type: none"> <li>• Holding Bachelor's Degree Diploma (from any accredited higher education institution);</li> <li>• Successfully passing internal entrance exams in Mathematics and English (B2 level) organized by ISET.</li> <li>• Attending interview with the ISET Admissions Committee.</li> </ul> </li> <li>✓ <u>International (foreign) Students:</u> <ul style="list-style-type: none"> <li>• Holding Bachelor's Degree Diploma (from any accredited higher education institution)</li> <li>• Attending online interview with the ISET Admissions Committee (During the interview, applicants are expected to demonstrate their math skills and English language knowledge).</li> </ul> </li> </ul>
<b>Language</b>	English
<b>Awarded Qualification</b>	<b>Master of Economics</b>
<b>Length of the Program</b>	4 Semester
<b>ECTS</b>	120
<b>Tuition fee</b>	3000 USD equivalent in GEL - For Georgian citizens 2400 USD equivalent in GEL - For citizens of Azerbaijan and Armenia (Regional Students) 4000 USD equivalent in GEL - For international (foreign) students
<b>Department / Institute</b>	Ivane Javakhishvili Tbilisi State University (TSU) - International School of Economics at TSU (ISET)
<b>Faculty</b>	Faculty of Economics and Business International School of Economics at TSU (ISET)
<b>Contact Persons</b>	ISET Director: Tamar Sulukhia, PhD  Program Head: Muhammad Asali, PhD Tel: +995 032 2507177



E-mail: <a href="mailto:info@iset.ge">info@iset.ge</a>		
Program Structure		
კურსის სტატუსი	ECTS	
General Compulsory Courses	60 ECTS (first year)	
Specialization Core Optional Courses	15 ECTS (second year, Master Project)	
Optional Courses	45 ECTS (second year)	
სულ	120 ECTS	
Goal of the Program		
<p>The aim of the MA program is to educate highly-qualified economists; to provide a western economics education, that meets international standards in the interest of the public and the private sectors; and to deliver the foremost example of modern economics teaching throughout the entire region of the South Caucasus.</p> <p>To achieve this objective, curriculum provides the students with the knowledge in modern principles and methods of econometrics, macroeconomics and microeconomics, transition economics, economic geography, environmental economics, labor economics, monetary and political economics, to name just a few. The students learn to make optimal decisions regarding the role of the government in economics; to acquire skills in solving practical problems using theoretical concepts and approaches; and gain the opportunity to work in an international environment. These skills are not only relevant to employment in the private and public sector, but also enable certain ISET graduates achievement in PhD programs at leading western universities.</p>		
Learning/Teaching methods		
<ul style="list-style-type: none"><li>• Interactive lectures/seminars</li><li>• Debates/Discussions, Brainshtorming</li><li>• Presentations</li><li>• STATA/R Sessions</li><li>• Case/Problem/Role play-based learning</li><li>• Individual and Group Work</li><li>• Homework assigments, Quiz</li><li>• Presentations</li><li>• Debates/Discussions, Brainshtorming</li><li>• Case/Problem/Role play-based learning</li><li>• The critical analysis method</li></ul>		
Evaluation System		
Student’s knowledge is evaluated using the following grading scale: “Excellent”, “Very good”, “Good”, “Satisfactory”, “Sufficient”, “Marginal fail” and “Fail”.		
Scores	Designation	Classification

		of Evaluation
91-100	(A) "Excellent"	Positive
81-90	(B) "Very good"	Positive
71-80	(C) "Good"	Positive
61-70	(D) "Satisfactory"	Positive
51-60	(E) "Sufficient"	Positive
41-50	(FX) "Marginal Fail" (Failed with the rights to the additional exam)	Negative
0-40	(G) "Fail" (Student should retake the teaching course)	Negative

### Program Learning Autcomes

By the end of the study and after successful completion of the master program, students:

#### A. Knowledge and Understanding

- ✓ Describe in depth the fundamental concepts of modern and classical economic theories;
- ✓ Classification of problems related to economic development and optimal methods of solving problems.
- ✓ Assess the international experience of developed market economy countries and analyze this experience for the economic development of the country.

#### B. Skills

- ✓ Solve practical problems individually and as a team using multi-disciplinary approaches and innovative models;
- ✓ Conduct academic research independently in accordance with international academic standards;
- ✓ Formulate reasoned conclusions based on in-depth analysis of the given information taking into account many factors operating in real situations;
- ✓ Conducting presentations and discussions in native and foreign languages;

#### C. Responsibility and Autonomy:

- ✓ Formulate one's own conclusions based on academic honesty, ethical standards and advances in information and communication technologies;
- ✓ Autonomous management of continuous professional development.

### Fields of Employment

After completion of the ISET Master Program in Economics, graduates have the opportunity to be employed in both the public and private sectors, in international organizations or in the academic sector, in analytical and research positions. Developed analytical skills and thorough knowledge of quantitative research methods make graduates competitive in all positions related to economic analysis, modeling and forecasting. ISET graduates work mostly in the private (37%), public (32.5%), non-governmental (18.5%) and academic (12%) sectors.

ISET conducts employment and alumni satisfactory survey once a year. The school has a graduate employment database, which provides information on graduate employment areas, organizations, positions, as well as their contact details.

<b>Program title</b>	<b>MA Program in European Studies</b>
<b>Study Level</b>	MA
<b>Program Prerequisites</b>	<ul style="list-style-type: none"> <li>• Student of Master's program in European Studies may become a person having at least Bachelor degree or equivalent, after passing Unified Master Exams who also has to pass exam in English language on B2 level or submit document confirming the knowledge of English on B2 level, as well as he/she has to pass exam in specialisation and interview with jury.</li> <li>• Undergraduates of foreign Universities are allowed to submit their applications in full compliance with Georgian Legislation.</li> </ul>
<b>Language</b>	English
<b>Awarded Qualification</b>	Master of Arts degree in European Studies
<b>Length of the Program</b>	4 semesters
<b>ECTS</b>	120 credits
<b>Tuition fee</b>	3000 GEL
<b>Department / Institute</b>	Institute of European Studies TSU, I I Building, Chavchavadze st. 3
<b>Faculty</b>	Faculty of Law
<b>Contact Persons</b>	Head of MA: Dr. Ketevan Khutsishvili
	E-mail: ketevan.khutsishvili@tsu.ge
<b>Program Structure</b>	
<b>Status of the Course</b>	ECTS
<b>Faculty Compulsory Study Courses</b>	
<b>Major Study Courses</b>	110 credits
<b>Elective Study Courses</b>	10
<b>Minor program</b>	
<b>Total</b>	120 credits
<b>Goal of the Program</b>	

The aim of the two-year programme is to provide students with in-depth interdisciplinary knowledge of EU issues (law, politics, economy, history and culture), incorporating also Eastern European issues (present and expected links with EU). These students will become experts who have a thorough knowledge and understanding of the structure and operations of the economic, legal and political institutions of the European Union, and are familiar with decision – making at a European level, as well as the European integration process. Integration with the EU is on the top agenda of the Government of Georgia. The demand on Professionals on EU issues is increasing year after year. The graduates of MA program will be prepared to be hired in both Government and Private sectors. .

### **Learning/Teaching methods**

In order to meet learning outcomes Masters program in European Studies is based on different teaching methods such as discussion, team work, problem based learning, case study, brain storming, mock court, power point presentations, EU simulation.

The courses are designed to be interactive and theory and practice oriented. Masters students are offered hypothetical case studies and multiple choice tests on each topic discussed to develop skills of applying European Standards in practice. The course uses comparative and systemic methods.

Different mock courts are organized i.e. students are divided into three parts analogous to the European Court of Human Rights (applicant, respondent and the Court).

One of the major aspects of the success of the learning process at the Institute for European Studies is EU simulation. An EU simulation is an innovative way to bring this knowledge to students. Similar to a Model UN program, EU simulations provide a better understanding of European integration and the constraints confronting EU member states, as well as a greater appreciation for cultural diversity. Students also acquire valuable skills such as public 4

speaking, expository writing, the use of logic and reasoning, group negotiations and problem solving.

Lecture and seminars are the basic form of the teaching thought the program. Students are required to prepare theoretical materials, solve tasks, tests, exercises and etc. during semesters. At the lectures they also have the opportunity to participate in debates of the discussed questions. Different methods are used during teaching specific topics and problem-based learning. It often implies combining complementary methods.

During the semester one mid-term examination is to be conducted and evaluated by scores. The instructor demonstrates the facilitation skills to students during the first two days of classes. Each student must facilitate two one-hour discussion sessions using the facilitation methodology presented by instructor. The schedule for their facilitation sessions will be developed in detail. Each student will be assigned a date, a time, and the discussion questions/topics/areas of concern for the facilitation session in advance.

Each of them must have 5 minute pre-session and after session individual meetings with the instructor to develop a plan for their up-coming facilitation, receive consultations and get feedback.

Each of them must write description of flipcharts and discussion summaries of their facilitation sessions that will include: the main points of the discussion maximum one paragraph), their comments/reflection (maximum two paragraphs), flip charts notes. Facilitator should send the discussion summaries to the rest of the class and to the instructor the next day after his/her facilitation.

Participants are discussing the various issues and the specific ways of their improvement within the European Union.

Suggested questions for the discussions and for the exploration of main concerns of EU focuses on present processes of policy-making and implementation at supranational level as well as national level.

Each class has a more or less similar format (so-called seminar-lecture format). Readings have to be done before every class. At the beginning of the class 10-15 minutes are given to discuss main questions that students believe are important regarding the assigned article reviews. After brief discussion professor moves on to

the lecture part, during which he/she identifies main issues related to the topic of the day. Participation of the student is an integral part of his/her final academic standing, therefore active students have better chances of receiving higher grade, then passive ones.

Before the start of the course each student receives a reader, which includes copies of all texts necessary in advance. All the books are provided by the lecturer from his/her personal

library or can be found in particular the IES Library. Moreover, file and assignment sharing electronic system is in force, probably in one of the online fora, like yahoo groups. Students are required to sign up to the yahoo groups account and view part of their assignments on line. All the article reviews are located on line and could be accessed by the students any time. Assignments (article reviews) have to be submitted online by 18:00 the day before the class. No excuses regarding the late submissions are accepted.

At the same time Professor may use several methods enumerated above according to the necessities and complexities of the courses taught.

### **Evaluation System**

The student's knowledge is being evaluated according to the following system: "Excellent", "Very good", "Good", "Satisfactory", "Sufficient", "Marginal fail" and "Fail"

A student is evaluated in accordance with the following principle:

Scores	Evaluation	Classification of Evaluation	GPA of Evaluation
91 and more	(A) "Excellent"	Positive	4.0
81 -90	(B) "Very good"	Positive	3.0
71 -80	(C) "Good"	Positive	2.0
61 -70	(D) "Satisfactory"	Positive	1.0
51 -60	(E) "Sufficient"	Positive	0.5
41 -50	(FX) "Marginal Fail"	Negative	0
40 and below	(H) "Fail"	Negative	0

The student's final mark in a specific subject is determined by the number of point collected by him/her in the different components (lecture, seminar, practical studies, laboratory exercises) in the course of interim and final (examination) evaluation.

The maximum a viable point in each course is 100. Final exam does not exceed 40 points, interim evaluation represents a combination of test scores, presentation in the class, and team or individual projects. The weight of each components are different for different course and are defined in syllabuses

### **Program Learning Autcomes**

#### **Knowledge and Realisation**

Has deep and systematic knowledge of primary issues, which gives an ability to deal with complex problems and to find new ways of their solution. Realizes the ways how to solve the problems falling within the sphere of his/her knowledge.

**Apply gained knowledge in practice**

To act in new multidisciplinary environment. Ability to identify complex problems and finding grounds for their legal, economic, political solution.

**Ability to make conclusions**

Ability to collect data necessary according to the sphere of activity and capacity to analyse them. Ability to make argued conclusions using mixed research methods.

**Affective communication**

Ability to prepare detailed report about the ideas, problems and the ways of their solution and ability to communicate understandably the thoughts in Georgian as well as Foreign Languages to specialists and non specialists of the sphere. To refer creatively to the modern informational and communicational technologies.

**Ability to learn**

Ability to think over own learning process for establishing further learning needs. Ability to look through economic, legal, political dimensions and ability to permanently renew own knowledge.

**Values**

Is well familiar with the framework of ethics. Wishes to enhance the realisation of persons rights, participates in shaping values and strengthens their establishment.

## **Fields of Employment**

The Master's degree programme in European Studies provides valuable competencies for teaching, conducting independent research, or considering a career in:

- Public sector and governmental agencies;
- NGOs, international organizations and European institutions;
- Political organizations;
- Business and other private sector;
- Advisory organization;
- Media and information centres.

Master of arts in European Studies is allowed to proceed learning on Masters as well as PhD level both in Georgian and foreign Universities

<b>Program title</b>	<b>PhD Program in European Studies</b>
<b>Study Level</b>	PhD Program
<b>Program Prerequisites</b>	<p>The student of the PhD Program in European Studies might become a person holding the Master's Academic or equal Degree as per minimum, who also shall pass English language test on C1 level or submit a certificate confirming the appropriate knowledge, or a Master's Diploma, where the language of training is English. Those willing to enroll are also asked to submit the research proposal and to undergo the interview with the jury in English language. The research proposal<sup>1</sup></p> <p>should be 2500-3000 words and include: the title of the thesis; research objectives; research question/questions; hypothesis; research methodology; overview of the literature to be applied.</p> <p>Foreign citizens (or stateless persons) holding an MA degree shall make applications for the PhD Program in accordance to the procedures set forth in the relevant Georgian legislation, provided that they meet the admission preconditions above.</p>
<b>Language</b>	English
<b>Awarded Qualification</b>	PhD in European Studies
<b>Length of the Program</b>	6 Semester
<b>ECTS</b>	180 ECTS credits
<b>Tuition Fee</b>	2250 GEL (annual) – for Georgian students; 4500 GEL (annual)- for foreign students.
<b>Department / Institute:</b>	<p>Institute of European Studies</p> <p>TSU, I I Building, Chavchavadze st. 3</p> <p>Faculty of Law</p>

<sup>1</sup>Research proposal is not a scientific research proposal of the dissertation thesis, but it is a structured research plan that helps the student in writing future PhD paper

<b>Faculty:</b>	
<b>Contact Persons:</b>	<p>Program Directors:</p> <p>Academician, Professor Levan Aleksidze;</p> <p>Doctor of Law, Professor Ketevan Khutsishvili;</p> <p>Doctor of Law Natia Lapiashvili</p> <p>PhD Program coordinator: Director of the Institute for European Studies Nino Lapiashvili</p> <p>E-mail: <a href="mailto:nino.lapiashvili@tsu.ge">nino.lapiashvili@tsu.ge</a></p>
<b>Program Structure</b>	
<b>Status of the Course</b>	ECTS credits
<b>Faculty Compulsory Study Courses</b>	45 credits
<b>Major Study Courses</b>	120 credits
<b>Elective Study Courses</b>	10 credits
<b>Minor program</b>	
<b>Total</b>	180 ECTS
<b>Goal of the Program</b>	



PhD Program in European Studies, based on the mission and objectives of the University, is guided by the strategic plans of the University as well as the European Studies Institute of Tbilisi State University, taking into account the requirements of the labor market, stipulated in the Georgia-EU Association agenda, aims at:

1. Developing research on EU integration, its legal, political, economic, historical and cultural aspects through generating new scientific knowledge; theoretical and practical study of the issues related to the EU using the interdisciplinary approach;
2. Training of European Studies Analysts who can independently conduct deep and comprehensive research and analytical activities related to the EU in terms of legal, economic, social-political and historical-cultural perspective;
3. Training of professional staff with European values in various governmental and private structures on the one hand and on the other hand, their engagement in pedagogical activities in order to make possible for the new generation of graduates to make its contribution to the Georgia's approximation to Europe through sharing and delivery of knowledge obtained by them.

#### **Learning/Teaching methods**

- Verbal method
- Discussion/debates/EuroSIM
- Problem-based learning (PBL)
- Blended learning
- Case analysis/deduction/induction/synthesis/interpretation
- Brainstorming
- Quiz
- Team work
- Method of working with the scientific literature
- Administration of the moot courts /providing scientific assistance
- Method of demonstration / presentation
- Method of writing assignments/ academic writing
- Contemporary interdisciplinary research methods / the research design
- Other methods provided by individual syllabuses

The professor has discretion to refer to or use one or several methods enumerated above – depending on the specific teaching and/or research assignment.

## Evaluation System

Training component assessment:

- (A) Excellent, – assessment 91-100 scores;
- (B) Very good – 81-90 scores of maximal assessment;
- (C) Good – 71-80 scores of maximal assessment;
- (D) Satisfactory – 61-70 scores of maximal assessment;
- (E) Sufficient – 51-60 scores of maximal assessment.
- (F) Two types of negative assessment:
  - (FX) Not passed – 41-50 scores of maximal assessment, which means that the student needs more work to pass the exam; he/she is given the right to take additional exam once more with independent work;

Failed –40 scores or less of maximal assessment, which means that the work carried out by the student is not enough and he/she has to study the subject from the beginning. In case of gaining FX in the educational program component, the higher education institution is obliged to appoint an additional exam in not less than 5 days after announcement of the final exam results.

## Program Learning Autcomes

### Knowledge and understanding

The graduate shall be able to:

- 1.1. Critically analyze the economic, financial, legal and political strategies of the EU through their re-understanding and partial revaluation; determine the relevance of the ongoing changes in the EU to the community development requirements;
- 1.2. Create the field knowledge based on the latest achievements in the sphere of activity through the processing of research material obtained within the EU economic / legal / political sphere, using critical understanding and relevant research methods; identify the research topics and justify its urgency, taking into account the issues of institutional, legitimacy, international law and international relations, as well as the problems and challenges in the economic integration, policy and EU law.

### Skills

The graduate shall be able to:

- 2.1. Independently plan and carry out innovative research based on the relevant research methods, in observation of the principles of academic faithfulness; develop new research and analytical methods and approaches according to the specificity of the research, including the challenges related to the modern events developed within the European Union;
- 2.2. Plan the strategy for elaboration of the work of peer reviewed publication standards; the new research product created on its basis will be reflected in international peer reviewed publications (including Georgian bilingual Journal on European Studies - ISSN 2346-7827)
- 2.3. Implement main principles and components of student-oriented teaching in the learning process and the use of teaching-learning methods in practice, including innovative ones;
- 2.4. Justified and sound representation of European and European historical processes in correlation with modern processes and involvement into the field discourse with international scientific community in English language on the EU economic, political and legal issues and problems in global and regional context.

### Responsibility and autonomy

The graduate shall be able to:

- 3.1. Independently make appropriate and effective decisions for solving the problematic research related to legal, economic and political integration within the EU, as well as cultural diversity and identity;
- 3.2. Implement research projects based on the latest achievements, as well as find the ways of establishing values and proceed with development-oriented measures with high quality of independence.

### Fields of Employment

PhD Program in European Studies provides the valued competences for teaching, directing of the independent research and proposing opportunities of the carrier in the following fields:

- Higher educational institutions
- Public organizations
- Non-governmental organizations, European institutes
- Political organizations
- Private business
- Consulting organizations
- Media and information centers
- post-doc steps

The PhD in European Studies will be able to continue with high quality academic research activities in Georgia as well as abroad.

<b>Program title</b>	<b>Public Health</b>
<b>Studie Level</b>	MA
<b>Program prerequisites</b>	<ul style="list-style-type: none"> <li>▪ Bachelor's degree diploma in Health Sciences or in a relevant field (Social Sciences or Natural Sciences in case of documented minimum 5ECTS within the areas specific to master program: <i>Public Health, Epidemiology, Biostatistics, Environmental Health, Health Management, Health Economics, Health Promotion</i>), one cycle-undergraduate medical education diploma.</li> <li>▪ The common entrance exam for master degree (for Georgian applicants only);</li> <li>▪ University exam in English Language on level B2 or Certificate confirming the knowledge of English Language on level B2</li> </ul> <p><b>International Students:</b> The program also admits International Students. Graduates of Foreign Universities are allowed to submit their application in full compliance with Georgian Legislation. Please, for more information refer to the web-page of Ministry of Education and Science of Georgia: <a href="http://mes.gov.ge/content.php?id=1131&amp;lang=geo">http://mes.gov.ge/content.php?id=1131&amp;lang=geo</a></p>
<b>Language of Education</b>	English
<b>Awarded Qualification</b>	Master of Public Health
<b>Total Program Aload</b>	4 Semester
<b>Program ECTS</b>	120
<b>Tuition fee</b>	2250 GEL for Georgian citizens, 4500\$ for International students
<b>Department / Institute</b>	TSU
<b>Faculty</b>	Faculty of Medicine
	Department of Public Health
<b>Contact Persons</b>	Program Directors: TSU Professor Nino Chikhladze
	Program Coordinator: TSU Associate Professor Nato Pitskhelauri
	Tel.: +995 593 207335
	E-mail: <a href="mailto:nato.pitskhelauri@tsu.ge">nato.pitskhelauri@tsu.ge</a>
<b>Program Structure</b>	
<b>Status of the Course</b>	ECTS credits

<b>Faculty Compulsory Study Courses</b>								
<b>Major Study Courses</b>								
<b>Elective Study Courses</b>								
<b>Minor program</b>								
<b>Total</b>	120							
<b>Goal of the Program</b>								
Master Program aims to provide student-centered and competence-based teaching harmonized with International standards of Public Health Master Level Education, therefore intends to train and inspire new generation of public health professionals in global network atmosphere, provide broad knowledge, skills and expertise that is needed to undertake leadership roles in addressing important issues of Public Health at national and global level.								
<b>Learning/Teaching methods</b>								
<ul style="list-style-type: none"> <li>✓ Interactive lectures/seminars using PP presentations, demonstration method using Video/Audio materials</li> <li>✓ Computing practical, group work with peers</li> <li>✓ Homework assignments, Quiz</li> <li>✓ Presentations</li> <li>✓ Debates/Discussions, Brainshtorming</li> <li>✓ Observation</li> <li>✓ Case/Problem/Role play-based learning</li> <li>✓ The critical analysis method</li> <li>✓ Participation in scientific research</li> <li>✓ e-learning Platform Moodle</li> </ul>								
<b>Evaluation System</b>								
Student's knowledge is evaluated using the following grading scale: "Excellent", "Very good", "Good", "Satisfactory", "Sufficient", "Marginal fail" and "Fail".								
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Points</th><th style="width: 55%;">Designation</th><th style="width: 30%;">Classification of Evaluation</th></tr> </thead> <tbody> <tr> <td>91-100</td><td>(A) "Excellent"</td><td>Positive</td></tr> </tbody> </table>			Points	Designation	Classification of Evaluation	91-100	(A) "Excellent"	Positive
Points	Designation	Classification of Evaluation						
91-100	(A) "Excellent"	Positive						

81-90	(B) "Very good"	Positive
71-80	(C) "Good"	Positive
61-70	(D) "Satisfactory"	Positive
51-60	(E) "Sufficient"	Positive
41-50	(FX) "Marginal Fail" (Failed with the rights to the additional exam)	Negative
0-40	(I) "Fail" (Student should retake the teaching course)	Negative

Each module has its own assessment methods. The student's final mark is determined by the number of scores for pre-exam components (60 points) and final (examination) assessment (40 points). Please, refer for more information to the each course description (syllabus).

### **Program Learning Autcomes**

By the end of the study and after successful completion of the master program, students are able to:

#### **Knowledge and Understanding**

LO1-demonstrate a profound and comprehensive understanding of concepts and methods in public health;

LO2-analyze, evaluate and critically reflect/reasoning of public health issues, social, economic and environmental determinants of population health in a local and global contexts.

#### **Skills**

LO3-solve public health problems in a new or unfamiliar environment within multidisciplinary and multicultural contexts using the theory, concepts, models and methods within public health;

LO4-formulate judgment on the basis of assessment and innovative synthesis of incomplete or limited information on public health issues considering local and global contexts;

LO5-communicate effectively and appropriately conclusions on public health policy and practice and public health messages to different audience (academic, professional and lay audience) across cultural boundaries and with people from diverse background;

LO6-apply ethical principles and human rights-based approach in health in public health practice and research;

LO7-plan and carry out independent research in public health.

#### **Responsibility and autonomy**

LO8-contribute development of public health knowledge and practice a local and global contexts;

LO9-take responsibility and keep abreast of new development in public health.

**Employment Area**

Master of Public Health degree qualifies for leading positions in Health Care and Public Health services, Governmental, Non-Governmental Organizations and International Organization concerned with public Health projects and initiatives, as well as in professional career in Education and Research in Public Health. The Master Program graduates will be able to continue studies and to apply for admission to Doctoral Programs in Higher Educational Institutions in Georgia or abroad.

<b>Program title</b>	<b>Media psychology and communications</b>
<b>Studie Level</b>	MA
<b>Program prerequisites</b>	<ul style="list-style-type: none"> <li>• BA degree/equal to it from authorized higher education institution.</li> <li>• A minimum criterion for admission is B2 level English proficiency (FCE - evaluation A or B; IELTS - points 5.0 - 6.5; TOEIC – points 400 - 485 (listening) and 385 - 450 (reading); TOEFL (IBT) - points 87-109; PTE (General) - level 3; PTE (Academic) - points 59; (40 % of the evaluation).</li> <li>• Writing examination (Essay, In English); (40 % of the evaluation).</li> <li>• Interview with the program committee; (20 % of the evaluation).</li> </ul>
<b>Language of Education</b>	English
<b>Awarded Qualification</b>	MSc in Media Studies
<b>Total Program Aload</b>	4 semesters
<b>Program ECTS</b>	120 credits
<b>Tuition fee</b>	3200 GEL (for citizens of Georgia); 6400 GEL (non-citizens of Georgia)
<b>Department / Institute</b>	TSU, VI Building, Chavchavadze st. 8
<b>Faculty</b>	Faculty of Social and Political Sciences
	Department of Interdisciplinary
<b>Contact Persons</b>	Head of the Program: TSU Professor Mariam Gersamia
	<b>Program Coordinator:</b> Professor Mariam Gersamia
	Tel.: +995 577 17 11 07



	E-mail: mariam.gersamia@tsu.ge
<b>Program Structure</b>	
<b>Status of the Course</b>	ECTS
<b>Faculty Compulsory Study Courses</b>	35 credits (ECTS)
<b>Major Study Courses</b>	15 credits (ECTS)
<b>Research seminar and internship</b>	40 credits (ECTS)
<b>Master's thesis</b>	30 credits (ECTS)
<b>Total</b>	120 credits (ECTS)
<b>Goal of the Program</b>	
<p>To equip graduates with systematic knowledge and skill-based international competencies (I-COMs) in accordance with job market requirements and provide them with systematic knowledge in media psychology and the comprehensive research skills so that they could:</p> <ul style="list-style-type: none"> <li>• Conduct multidisciplinary research projects in media psychology and communications: research the interaction between media (social media included) and individuals/groups/society, as well as the influence of modern technologies on human behavior and investigate psychological media effects;</li> <li>• Contribute in raising awareness up in media influences, information and digital literacy (MIDL);</li> <li>• With research-backed recommendations, have positive impact on the development of media standards, media environment and media psychology field;</li> </ul> <p>To contribute with freshly gained knowledge in academia and exchange this knowledge with academic and non-academic audience as well.</p>	
<b>Learning/Teaching methods</b>	
<ul style="list-style-type: none"> <li>• Lecture and seminars;</li> <li>• Active and inquire based learning: Case-based Learning (CBL), project based learning and problem-based learning (PBL);</li> <li>• Assessment and Feedback (peer-assessment, external assessment)</li> </ul>	

- Intercultural inclusive approach;
- Brainstorming;
- Discussion and debates;
- Working in teams;
- Independent work;
- Analysis and synthesis;
- Practical tasks (oral and written);
- Role activities;
- Demonstration and explanation;
- Blended learning and flipped classroom: Online learning (via Moodle system: [www.e-learning.tsu.ge](http://www.e-learning.tsu.ge) platform).

## Evaluation System

Students evaluation criteria correspond with the Georgian law on higher education and TSU bylaws.

Students receive ECT-s within a 100 point grading system.

The following components are included in the evaluation form: activity, midterms, practical and research assignments, final examination, presentations etc.

Students are evaluated on the bases of practical and theoretical knowledge.

Some parts of the midterms are/might be carried out online (via TSU e-learning portal well).

### Evaluation System

A	91 -100	Excellent
B	81 -90	Very Good
C	71 -80	Good
D	61 -70	Satisfactory
E	51 - 60	Poor

FX 41 - 50 Fail (student can retake the final examination only once)

F 0 – 40 Fail (student has to retake the course)

In accordance with minister's decree N3 (2007) in case of FX assessment student is allowed to take an additional exam. In case of FX assessment in educational program component the institution of higher education is obliged to organize additional exam at least in 5 days after the announcement of the results of final exam. Given obligation is not valid for the dissertation, graduate project/work, creative/performance work or other scientific project/work. The points received at final assessment are not added to the additional exam assessment received by student. Assessment received at additional exam is final assessment and is depicted in total assessment of. In case of receiving 0-50 points in total assessment of educational component considering additional exam assessment student assessment is finalized as F-0 point. In case of F-assessment student must retake the credit.

### **Program Learning Autcomes**

This set is concerned with the knowledge and skill-based competencies in the discipline of media psychology required for adequately researching, describing, explaining interaction between media, technologies and humans, media use, processes and media effects on individuals, different groups and in general human's behavior. International Competencies (I-COM) cover the possession of knowledge of media psychological theories and models, empirical evidence relating to them and methods of enquiry, as well as an understanding of the interplay between the discipline and practice. I-COM are the foundation upon which the other competencies depend. Core competencies are based on program learning outcomes (PLOs).

#### **Knowledge and understanding**

- Describe and formulate in a systematic and comprehensive way psychological antecedents and consequences of media use, influence, effects and functioning of media audiences;
- Describe and formulate in a systematic and comprehensive way the process of interaction in media (social media included), psychological effects of media and the influence of new technologies on human behavior;
- Define and describe research methods and procedures in media psychology and communications;

#### **Skills**

- Identify key concepts, theories and research paradigms (principles and methods) and based on analysis, apply the theories to real life situations in the areas of media psychology and communication;
- Critically evaluate and synthesize empirical studies on media use and its effects.
- Utilize appropriate research methodologies and procedures in media psychology and communications field;

- Apply of a broad range of relevant media psychological knowledge when identifying relevant issues and providing recommendations backed with research. Analyze various moral and ethical dilemmas that arise within the media and media psychology as a science;
- Contribute in evaluating and developing media environment and standards;
- Use ICTs for professional and scientific purposes.

#### Autonomy and responsibility

- Develop life-long learning skills in order to further pursue and plan an academic career, improve and distribute knowledge (in academic and non-academic society);
- Follow/defend the professional and academic norms of ethics and practice academic integrity.
- Defend for human rights and respect for diversity and values of others (beliefs, practices, languages and behaviors) and be prepared to act as a global citizen (which is now a benchmark of personal growth and career readiness).

### Employment Area

According to international experience, media psychologist work in broadcasting companies, marketing and advertising firms, digital marketing sphere, colleges and universities, governmental and non-governmental and private research facilities; they do Independent and corporate consulting, contribute in Public advocacy and policy-making, research organizations.

Areas of employment and positions include but not limit to:

- Analytical and counselling companies (research positions);
- Non-governmental organizations focused on media and communication (research positions, consultants);
- PR, marketing organizations and advertising agencies (consultants);
- Media-monitoring companies (research positions);
- Media organization: TV, Radio, online media (advertising and media firm consultants, journalists and producers)
- Governmental agencies and political parties (consultants).

There are major areas in which media psychology is fundamental:

- Writing about media or performing as expert guests on various media
- Consulting media personnel
- Researching ways to improve all forms of media
- Developing media standards
- Studying the sociological, behavioral and psychological effects of media, etc.

Examples where research will be valuable as well include:

- The formation, maintenance or change of individual and group stereotypes;
- On-camera and off-camera diversity and its effects on audiences, media stories and media perspectives;
- Advertising and propaganda messages;
- Learning based on new information and new skills, etc. .

According to different sources, media psychologists are making contributions in many fields, such as:

- Development of social media strategy for organizations and brands;
- Developing online platforms for social entrepreneurship and NGOs;
- Community creation and audience engagement;
- Entertainment properties that expand across media;
- Translation of psychological research for journalists and the public.

TSU has memorandums of understandings with potential employers. The launching of the program will contribute in popularization of this filed in Georgia.

<b>Program Title</b>	<b>Public Administration</b>
<b>Study Level</b>	MA
<b>Program Prerequisites</b>	<p>a) Academic Degree of Bachelor in the fields of Law, Economics, History, Humanitarian or Social Sciences (only accredited university graduates are to be accepted);</p> <p>b) Successfully overcome the Unified Graduate Examination (provided by the Ministry of Education and Science of Georgia);</p> <p>c) English (B2 level) – exams are organized by the Examination Centre of the Tbilisi State University. Candidates also have the opportunity to submit the certificate of English language proficiency, minimum of B2 level and in such case, they will be exempted from the foreign language examinations;</p> <p>d) Interviews (in English) with German and Georgian professors after successfully overcoming the English language test (minimum 51 points); candidates will be interviewed in English. Admission Committee shall consist of 4-5 persons, representatives of Tbilisi State University, as well as – the University of Speyer. The length of the interview is about 10-20 minutes. Assessments are made according to student's qualification as well as the quality of his/her English level. Evaluation is made between 0-100 points and the decision is made by the majority of votes of the members of the Committee. From existing candidates only 25 students will be elected. In the process of selecting students, the preference will be given to the candidates, who have high average score of diploma (GPA).</p>
<b>Language</b>	English, with Georgian components (for foreign students the study program is entirely conducted in English)
<b>Awarded Qualification</b>	Master of Public Administration
<b>Length of the Program</b>	4 semesters
<b>ECTS</b>	120
<b>Tuition Fee</b>	5850 GEL
<b>Department / Institute:</b>	TSU II building, Chavchavadze 3

<b>Faculty:</b>	Faculty of Law
<b>Contact Persons:</b>	<p>The master's program (MPA) is implemented within the framework of a cooperation between the Ivane Javakhishvili Tbilisi State University (TSU) and the German University of Public Administration Speyer (DUV).</p> <p>Program Director: TSU Professor Irakli Burduli</p> <p>Program Coordinator: Tamar Berishvili</p> <p>Tel.: 577713000</p> <p>E-mail: <a href="mailto:tamar.berishvili@tsu.ge">tamar.berishvili@tsu.ge</a></p>
<b>Program Structure</b>	
<b>Status of the Course</b>	ECTS credits
<b>Faculty Compulsory Study Courses</b>	
<b>Major Study Courses</b>	110 credits
<b>Elective Study Courses</b>	10 credits
<b>Minor program</b>	
<b>Total</b>	120 ECTS

## Goal of the Program

The program aims to prepare future civil servants according to the demands of a modern public administration and the labor market. Moreover, the program aims as well to prepare its participants as highly qualified and competitive staff, who is also able to conduct research independently and by applying scientific standards.

The aim of the program is to provide students with in-depth and systematic knowledge at national or international level on development trends in the field of public administration, its shortcomings and ways of improvement, EU influence on Georgian practice, modern methodological principles in public administration, research methods, rules on good faith in academic writing and basic principles for creating professional scientific texts.

The aim of the program is to introduce the student to the basic aspects of modern public administration, both nationally and internationally.

The aim of the program is to develop students' ability to develop their own complex and original conclusions on current legislation, economics, socio-political spectrum and their current national and international practices, innovations, analysis of the latest scientific researches and national practice;

The aim of the program is to develop the student's ability to interpret legal norms related to public administration issues at a professional level, to find and use strategic approaches and/or innovative ways to solve the problem, as well as to conduct research on international practices for solving this problem.

The aim of the program is to develop the student's ability to identify current problems in law, economics and politics, to develop an appropriate ways to solve it.

The aim of the program is to develop the student's ability to present the results of his/her research with both national and international academic, complex and professional communities.

The aim of the program is to develop the student's ability to independently find the latest information from a variety of sources and to lead learning independently in public administration.

The aim of the program is to develop students' ability to recognize and respect the rules of academic honesty, ethical results of scientific research, standards of professional ethics.

## Learning/Teaching methods

The methods applied to achieve the learning goals are:

1. Verbal/Oral Method
2. Discussion/Debates
3. Group Work
4. The Method of Working with a Book
5. Problem-Based Learning (PBL)
6. Heuristic Method them.



7. Case Study
8. Brainstorming
9. Practical Exercises (e.g. Role Games, Simulations)
10. Method of Demonstration
11. Induction, Deduction, Analysis and Synthesis
12. Explanation Method
13. Action Oriented Teaching
14. The Method of Written Work

### Evaluation System

The performance assessment scale ranges from 0 to 100 points. To pass, a minimum of 51 points must be achieved.

The performance assessment scale is composed of the following individual grades:

Scores	Designation	Classification of Evaluation
91-100	(A) "Excellent"	Positive
81-90	(B) "Very good"	Positive
71-80	(C) "Good"	Positive
61-70	(D) "Satisfactory"	Positive
51-60	(E) "Sufficient"	Positive
41-50	(FX) "Marginal Fail" (Failed with the rights to the additional exam)	Negative
0-40	(J) "Fail" (Student should retake the teaching course)	Negative

Within two days of receiving final assessment, the student has a right to appeal to the lecturer of the respective subject and request correction of the final grade.

The student will be notified in writing about the result of his/her appeal.

### Program Learning Outcomes

Describes the development trends in the field of public administration (law, economics, politics, management) at national or international level, its shortcomings and ways of improvement, EU influence on Georgian practice, modern methodological principles of public administration, research methods, rules of academic honesty, basic principles of creating professional scientific texts.

Possesses the basic aspects of modern trends, both nationally and internationally. For example, such as human resource management, strategic management, negotiation techniques, change management, decision-making techniques and e-government.

Analyzes the current legislation, economy, socio-political spectrum and their modern national and international practice, innovations, the latest scientific researches and develops its own complex and original conclusions on the perfection of national practice;

Explains the norms of public administration at the professional level, uses strategic approaches and/or innovative ways of solving the problem, as well as researches the international practice of problem solving.

Identifies current problems in the field of law, economics and politics, develops appropriate scientific ways to solve it, plans the research process and, in accordance with the standards of academic ethics, develops a research project/paper based on a comparative-research method.

Discusses the results, conclusions and arguments of his/her research with both national and international academic, complex and professional communities, adhering to the principles of academic good faith, in written and oral form;

Demonstrates the ability to independently manage primary data, up-to-date information, and public administration learning from a variety of sources, including foreign information resources.

Recognizes and respects the rules of academic honesty, ethical results of scientific research, standards of professional ethics, participates in the development of professional knowledge, practice and values.

### **Fields of Employment**

Graduates of the program will be able to work in various public institutions and implement professional activities.

<b>Program title</b>	<b>Dentistry</b>
<b>Study Level</b>	Undergraduate Dental Program
<b>Program Prerequisites</b>	<p>An individual with full general education or equivalent, who has a corresponding state-approved document (certificate) and has earned the right to study on the program based on the results of the Unified National Exams is enrolled at the one-step program "medicine". The list of the subjects to be passed is regulated by the order №178/n of the Minister of Education, Science, Culture and Sport of Georgia, dated by August 27, 2019. The competence limit is established by the faculty.</p> <p>Admission to the program without passing the Unified National Exams is allowed by the order N. 224/n of the Minister of Education, Science, Culture and Sport of Georgia:</p> <ul style="list-style-type: none"> <li>a) Foreign nationals and stateless persons who have received full general education or equivalent in a foreign country;</li> <li>b) Citizens of Georgia who have received full general education or equivalent in a foreign country and have spent the last 2 years of full general education in a foreign country;</li> <li>c) For foreign nationals (except students of the Joint Higher Education Program and exchange students) who are/were studying and have received credits/qualifications at a higher education institution recognized in accordance with the legislation of that country;</li> <li>d) Citizens of Georgia (except students participating in the Joint Higher Education Program and exchange students) who have been/had been living and studying and have obtained credits/qualifications at a higher education institution in the foreign country, recognized in accordance with the legislation of that country.</li> </ul> <p>In order to be able to study at the educational program for Medical Doctors in English language, a person, who has not passed the Unified National Exams has to prove proficiency in English at least B2 level and undergo a general interview in accordance to the order N90/n of the Minister of Education, Science, Culture and Sport of Georgia, dated by 2018.</p>

<b>Language of Education</b>	English
<b>Awarded Qualification</b>	Doctor of Dental Medicine (D.M.D)
<b>Langth of the Program</b>	10 Semester
<b>Program ECTS</b>	300 credits
<b>Tuition fee</b>	7000\$
<b>Department / Institute</b>	TSU Natishvili Morphology Institute and affiliated Medical facilities, Beliashvili str. 78, Tbilisi.
<b>Faculty</b>	Faculty of Medicine
<b>Contact Persons</b>	Program Directors:  Prof. Vladimer Margvelashvili
<b>Program Structure</b>	
<b>Status of the Course</b>	ECTS credits
<b>Faculty Compulsory Study Courses</b>	
<b>Major Study Courses</b>	289 ECTS
<b>Elective Study Courses</b>	11 ECTS

<b>Minor program</b>	
<b>Total</b>	300 ECTS
<b>Goal of the Program</b>	
<p>The aim of one step educational program of Doctor of Dental Medicine is as follows:</p> <ul style="list-style-type: none"> <li>• Providing the students with the knowledge, relevant to the international dental educational standards and developing appropriate skills;</li> <li>• Preparing highly qualified specialists, whose professional activities will enhance the quality of dental services, prevention of dental diseases, improve the general health of the mouth and body;</li> <li>• Enabling the graduate to plan and implement complex dental treatment and further monitoring of the patients.</li> <li>• Developing graduates' ability of making logical analysis of the observed, heard and manifested symptoms, in order to link them further into the single pathogenetic process.</li> </ul>	
<b>Learning/Teaching methods</b>	
<ul style="list-style-type: none"> <li>• Explanation method</li> <li>• Demonstration method</li> <li>• Case Study</li> <li>• Problem based learning (PBL)</li> <li>• Lecture</li> <li>• Brain Storming</li> <li>• Analysis (Differentiation: Norm, Pathology)</li> <li>• Team working</li> <li>• Oral interview</li> <li>• Discussion method</li> <li>• Literature processing method</li> <li>• Tests</li> <li>• Closed-ended question</li> <li>• Open Question / Theoretical Issue / Topic</li> <li>• Abstract</li> <li>• Presentation (increasing complexity, even in a small scale, research)</li> </ul>	

- Work on dental phantoms
- Role-playing games
- Clinical Practice (under the supervision of a lecturer)

### **Evaluation System**

(A) Excellent – 91-100 points from total score;

(B) Very good– 81-90 points from total score;

(C) Good – 71-80 points from total score;

(D) Satisfactory - 61-70 points from total score;

(E) Sufficient – 51-60 points from total score;

Two types of negative assessment:

(FX) Insufficient– 41-50 points from total score, meaning that student failed, needs to work more for passing the exam and has been granted the right to retake the exam once;

(F) Failed –40 and less points from total score meaning that the work performed by the students is not enough and he/she has to take the course again.

In case of receiving FX points in the educational component of the program, the higher education institution has to appoint an additional exam not less than 5 days from the announcement of the results of final

### **Program Learning Autcomes**

After completing the education program, the graduate will have the following skills and abilities:

#### **Knowledge and understanding**

The students will be able to:

1. Describe/identify chemical, biochemical, molecular, microbiological and histological processes in normal and pathological conditions in the human body, particularly of the mouth(head and neck region).
2. Classify, describe, differentiate and identify those somatic diseases, which are closely related to oral cavity diseases (stomatopathy);
3. Describe and review general research methods, including biostatistic and epidemiological;
4. Discuss, review and generalize health care and ethical aspects, list and formulate legal issues of patient's rights and medical practice;
5. Identify/diagnose and classify of oral cavity diseases and conditions; Describe and review methods of prevention, making diagnosis and treatment, determine the possibilities of preserving the results of treatment.

6. describe the main groups of therapeutic and preventive drugs, describe and discuss the mechanisms of actions and interactions; describe dental materials and the area of usage,
7. Describe the methods safety management of doctor and patient;
8. Obtain, sort and interpret the latest thematic literature, evidence based medicine (dentistry) data independently;
9. Describe the methods of managing urgent medical conditions

### **Skills**

The student will gain following skills:

1. Selection, planning, analyzing and practicing methods of prevention, making diagnosis and treatment of oral diseases. Planning and organizing ensuring oral health;
2. Effective management of the team work;
3. Selecting, analyzing the methods of planning, implementation and evaluation of basic and alternative public health measures for ensuring oral health;
4. Planning, integrating and utilizing data synthesis, diagnostics and treatment methods in cases of complicated clinical situations and special need conditions based on the latest data;
5. Presenting, defending and agreeing ideas and concepts, proposals, solutions, conclusions and recommendations in oral, in written or online in academic, professional circles, and with a patient or people accompanying the patient in native and English languages.
6. Reviewing, evaluating, planning scientific literature and research projects

### **Responsibility and Autonomy**

Students will be able to:

1. Protect own ethical and legal norms in interpersonal relationships based on social, religious equality and democratic values;
2. The protection of patient's rights and requirements of the professional ethics;

### **Fields of Employment**

One-year medical education program graduate – Doctor of Dental Medicine does not have the right of independent medical practice independently upon the legislation in force –is to be deleted.

Employment fields include practice – Junior Doctor (junior doctor – a position that may be occupied by a graduate with a diploma of a state-accredited higher medical institution. A person appointed to his position shall perform the duties of a doctor according to the instructions and under the responsibility of an independent medical practitioner (Law of Georgia on Medical Practice, Article 5));

- Practice – Junior Doctor
- Pedagogical and scientific work
- Working in theoretical medicine
- Prerequisite for applying for the doctorate
- Prerequisite for applying for the residence



<b>Program title</b>	<b>Medicine</b>
<b>Study Level</b>	Undergraduate Medical Program
<b>Program Prerequisites</b>	<p>The program admits international applicants in full compliance with Georgian Legislation.</p> <p>Prerequisites: Biology, Chemistry and English language courses studied at school.</p> <p>Interview with applicants</p>
<b>Language of Education</b>	English
<b>Awarded Qualification</b>	Medical Doctor(MD)
<b>Langth of the Program</b>	12 Semester
<b>Program ECTS</b>	360 credits
<b>Tuition fee</b>	8000\$
<b>Department / Institute</b>	TSU Natishvili Morphology Institute and affiliated Medical facilities, Beliashvili str. 78, Tbilisi.
<b>Faculty</b>	Faculty of Medicine
<b>Contact Persons</b>	<p>Program Directors:</p> <p>Prof. D.Kordzaia, Dean</p> <p>Assoc. Prof. Maia Bitskhinashvili</p> <p>Program coordinator: Prof. Maia Bitskhinashvili</p> <p>Tel.: +995 577 051583</p>

	E-mail: maia.bitskinashvili@tsu.ge
<b>Program Structure</b>	
<b>Status of the Course</b>	ECTS
<b>Faculty Compulsory Study Courses</b>	
<b>Major Study Courses</b>	332 ECTS
<b>Elective Study Courses</b>	28 ECTS
<b>Minor program</b>	
<b>Total</b>	360 ECTS
<b>Goal of the Program</b>	
<p>The program aims to train medical staff whose competencies are in line with the national sectoral characteristic of medicine. The program will train highly qualified specialists for the modern labor market, who will contribute to improving the efficiency of medical services for the population as well as healthcare system.</p> <p>The goal of educational program in Medicine is:</p> <ol style="list-style-type: none"> <li>1. To create specialists with the knowledge, required by international and national standards of medical education, who will be competitive in both local and modern international labor markets.</li> <li>2. To enable graduates to develop professional skills to perform clinical activities in an ever-changing unpredictable work environment successfully and adapt by applying new strategic approaches.</li> <li>3. To develop a range of professional skills such as demonstrating self-sufficiency and a sense of responsibility while carrying out their professional duties, acting with consideration of ethical principles and realizing the necessity of lifelong learning, personal and professional development.</li> <li>4. To enable the graduate to be involved in the patients' and the whole community's healthcare process, identify the needs and respond adequately, as well as participate in activities aimed at improving the quality, effectiveness, and accessibility of the health care system and medical service.</li> <li>5. To develop the ability to analyze scientific papers critically and the skills of planning and implementation of scientific research and practical application of evidence-based principles as well as the ability of effective data management using information technologies.</li> <li>6. To develop the skills of effective communication with patients, their relatives, colleagues, healthcare professionals as well as teamworking, managerial and leadership skills.</li> </ol>	

The program aims to develop sector-specific as well as general/ transferable competencies.

### **Learning/Teaching methods**

- Interactive lectures, seminars, colloquiums
- Case-based learning
- Team based learning
- Flipped classrooms
- Bedside teaching
- Use of simulators and training models
- Role playing of the patients and doctors
- Laboratory training
- Participation in scientific research
- Portfolio-based learning

### **Evaluation System**

The following grading system is used for the assessment of the Students:

- (A) Excellent - 91-100 points from maximum grading points;
- (B) Very good - 81-90 points from maximum grading points;
- (C) Good - 71-80 points from maximum grading points;
- (D) Satisfactory - 61-70 points from maximum grading points;
- (E) Sufficient – 51-60 points from maximum grading points

Two types of negative assessment:

(FX) Unsatisfactory – 41-50 points from maximum grading points; considerable further work required from the student; after independent work he/she will have only one chance to pass additional exam;

(F) Failed– 40 and less from maximum points, meaning that the work performed by the student is not enough and further work required to learn the subject over again.

In case of receiving (FX), an additional exam is scheduled at least 5 calendar days after the final exam results are announced. The student will have received feedback on his performance in the earlier assessment.

The student's assessment grades of the additional exam are not added to the grades of the final exam.

The assessment grade of the additional exam is the final grade and will be reflected in the final evaluation of the curriculum component of the educational program.

### **Program Learning Outcomes**

After graduating all students will be able to:

1. Demonstrate the knowledge of biomedical, behavioral and social sciences, clinical disciplines as well as knowledge of the fundamental, ethical and legal principles of the field;

1.1 Demonstrate deep and systematic knowledge of biomedical sciences, describe and explain the structure and function at the level of molecular, cellular (genetic), tissue, organic and systems of the organ;

1.2 Demonstrate knowledge of abnormal and restorative processes, know the mechanisms in which diseases cause changes in normal structures and functioning and how these changes are reversed while the recovery, and relate this knowledge with data from clinical, laboratory, instrumental (including imaging) examinations.

1.3 Demonstrate knowledge of behavioral and social sciences; Explain the normal behavior of the individual and the changes in it which occur as a result of various social and psychological factors. Discuss the psychological and social aspects of health and disease.

1.4 Demonstrate knowledge of clinical subjects; Integrate knowledge in biomedical science with clinical data, in order to diagnose the major (common) diseases and determine the features and prognosis of disease manifestations.

1.5 Demonstrate knowledge of disease management; The ability to treat the patient by using medications and other means of treatment (physiotherapy, psychotherapy, etc.).

1.6 Demonstrate knowledge of the public health system and the role of the physician in this system.

1.7 Define and explain the importance of ethical and legal principles in medical practice.

2. Carry out consultations with patients

2.1 Demonstrate the ability to collect complete account of a patient's medical history (anamnesis) in the patients of all age groups.

- 2.2 Perform the complete physical examination of the patients of all age groups
- 2.3 Provide the patient with advice and explanations related to his/her condition
- 2.4 Assess the patient's psychological status
- 2.5 Take care of the patient and protect his/her rights
- 3. Assess a clinical case, schedule appropriate investigations, make a differential diagnosis, and develop a patient management plan
  - 3.1 Integrate basic scientific knowledge with clinical manifestations.
  - 3.2 Understand and evaluate the complexity of clinical manifestations of the disease.
  - 3.3 Appoint the appropriate tests and interpret the results obtained.
  - 3.4 Make a differential diagnosis.
  - 3.5 Develop and discuss a plan for managing acute or chronic illnesses with patients and their caregivers, take care of the terminally ill patient and his/ her family.
- 4. Provide emergency medical care to the patient
  - 4.1 Provide basic first aid based on age characteristics.
  - 4.2 Identify and evaluate emergency medical conditions.
  - 4.3 Perform management (treatment) of emergency medical cases.
  - 4.4 Carry out basic life support and cardiopulmonary resuscitation according to guidelines.
  - 4.5 Carry out extended life-supporting activities according to guidelines.
  - 4.6 Manage the treatment of injuries according to guidelines.
- 5. Appoint and prescribe medication

5.1 Prescribe medication clearly, accurately and legibly.

5.2 Combine medication with clinical manifestations

5.3 Review medication and other treatment activities and evaluate potential benefits and risks for the patient.

5.4 Consider the compatibility of medications with a particular patient when prescribing treatment.

5.5 Treat pain and distress

6. Perform first-aid practical medical procedures (diagnostic, curative (including surgical)) in certain area of medicine:

6.1 Determine the vital signs: pulse, breathing, temperature;

6.2 Measure the blood pressure;

6.3 Define the oxygen saturation;

6.4 Wash hands and put on the gloves;

6.5 Undertake the venipuncture of peripheral vein

6.6 Insert a catheter into the peripheral vein;

6.7 Deliver an injection of medications into the vein and use an infusion device;

6.8 Undertake an injection subcutaneously and into the muscle;

6.9 Prescribe and administer oxygen;

6.10 Safely manage the transport the patients;

6.11 Undertake skin suturing ;

6.12 Manage wounds and place dressing;

6.13 Carry out catheterization of the bladder;

6.14 Make a urinalysis;

6.15 Record ECG;

6.16 Interpret the electrocardiogram;

6.17 Perform functional respiratory tests;

6.18 Explain and demonstrate the use of inhalation medication.

## 7. Establish successful medical communication

7.1 Demonstrate effective verbal, non-verbal (including written) communication with patients and/or their family members in order to create a trust-based environment for cooperation, regardless of their social, cultural, religious or ethnic background.

7.2 Demonstrate the ability to communicate adequately with colleagues, healthcare professionals, law enforcement or the media representatives, as well as with the team, in order to perform the professional duties effectively.

7.3 Keep the medical records in written or electronic form, accurately, in full, in an organized manner, in accordance with regulations and legal requirements.

## 8. Apply ethical and legal principles in medical practice

8.1 Respect confidentiality;

8.2 Obtain informed consent from the patient and make an appropriate record;

8.3 Apply internationally recognized ethical principles and Georgian legislation while treatment;

8.4 Require autopsy in the cases envisaged by the legislation of Georgia;

8.5 Certify death and issue a death certificate.

## 9. Assess the psychological and social aspects of the disease

- 9.1 Identify the impact of psychological factors on the patient;
- 9.2 Identify the impact of disease-related social factors on the patient;
- 9.3 Identify disease-related stress;
- 9.4 Identify alcohol and drug abuse.
  
- 10. Apply knowledge and skills of evidence-based principles
  - 10.1 Identify and carry out research of the literature properly;
  - 10.2 Evaluate the published literature critically, draw conclusions and apply it in practical work;
  - 10.3 Use evidences in medical practice.
  
- 11. Apply data and information technologies effectively in medical practice
  - 11.1 Search for specific information assets;
  - 11.2 Make effective use of computers and other information technologies to search for and keep information;
  - 11.3 Save and use personal records in the future;
  - 11.4 Use obtained information to support patient care and health, as well as research and education;
  - 11.5 Maintain correctly and keep completely clinical records.
  
- 12. Apply scientific principles, methods, and knowledge of biomedicine in medical practice and research
  - 12.1 Discuss and explain methods of carrying out scientific research;
  - 12.2 Plan research in details, process the results and draw conclusions;



12.3 Apply advancements in biomedical sciences to practical work;

12.4 Write an abstract based on a critical analysis of the scientific literature;

12.5 Demonstrate knowledge of ethical principles while conducting scientific research.

13. Be engaged in health promotional activities; participate in public health issues and its effective work.

13.1 Take measures to reduce the risk of harm to the patient during treatment;

13.2 Take measures to prevent the spread of infection;

13.3 Take care of patient safety;

13.4 Assess own health and understand the problems associated with it in terms of professional duties;

13.5 Participate in health promotion activities at both the individual and population levels;

13.6 Promote changes in health care system, aiming at improving services;

13.7 Implement disease supervision for its prevention and health promotion with respect to individual patients.

14. Demonstrate skills of professionals

14.1 Demonstrate relevant professional behaviors and relationships in all aspects of medical practice: honesty, fairness, humility, responsibility, compassion, respect, altruism, and respect for differences;

14.2 Understand the primary duty of a doctor, take care of the health and well-being of each patient and community in accordance with ethical principles and in accordance with Georgian legislation.

14.3 Understand the limits of own abilities and ask for help;

14.4 Adapt to difficult clinical situations and work independently and with the sense of responsibility when needed;

14.5 Identify gaps in own knowledge and skills and understand the obligation of necessary lifelong learning, work out the ability of constant improvement of personal and professional development;

14.6 Work in a multidisciplinary team, demonstrate problem-solving, decision-making, time management and leadership skills.

### Employment Area

A person with an academic degree of the Medical Doctor has the right to:

- Continue medical practice as a junior doctor (junior doctor shall perform the duties of a doctor according to the instructions and under the responsibility of an independent medical practitioner (Article 5 of the Law of Georgia on Medical Practice);
- Be engaged in pedagogical and scientific activities;
- Take a residency course and obtain the right of independent medical practice after passing the unified state certification exam;
- Take a doctoral program (holding an academic degree of a Medical Doctor, an equalized academic degree to the master's degree entitles to take a doctoral program (Law of Georgia on Higher Education, Article 48).

A graduate of higher medical educational institution (Medical Doctor, MD), is not entitled to carry out independent medical practice under the legislation in force.

<b>Program title</b>	<b>Computer Science</b>
<b>Studie Level</b>	Bachelor Program
<b>Program Prerequisites</b>	<p>The Georgian citizens must pass Unified National Exams. Admission for the program requires minimal competence levels in following Unified National Exams:</p> <ul style="list-style-type: none"> <li>• English Language - 69% + 1\</li> <li>• General Aptitude – minimum competence levels is determined by National Assessment and Examinations Center</li> <li>• Georgian Language - minimum competence levels is determined by National Assessment and Examinations Center</li> <li>• Mathematics/Physics - minimum competence levels is determined by TSU faculty Exact and Natural Sciences</li> </ul> <p>Foreign applicants should follow the rules and terms defined by the Ministry of Education and Science of Georgia (<a href="http://www.mes.gov.ge/content.php?id=1131&amp;lang=geo">http://www.mes.gov.ge/content.php?id=1131&amp;lang=geo</a>) according to the order №224/N of the Minister of Education and Science of Georgia (December 29, 2011). The Applicant should prove English language qualification equivalent to CEFR level B2 or higher.</p>
<b>Language</b>	English
<b>Awarded Qualification</b>	Bachelor of Computer Science
<b>Length of the Program</b>	8 Semester
<b>Program ECTS</b>	240 credits
<b>Tuition fee</b>	2250 GEL per academic year for Georgia citizens enrolled by United National Examination, 3 500\$ or 9000 GEL one academic year – for foreign citizens
<b>Department / Institute</b>	TSU XI building, University St 13, 0177, Tbilisi
<b>Faculty</b>	Faculty of Exact and Natural Sciences
	Department of Computer Science
<b>Contact Persons</b>	<p>Program Head: TSU Professor Manana Khachidze  <a href="mailto:manana.khachidze@tsu.ge">manana.khachidze@tsu.ge</a>  5 99 156680</p> <p>Program Coordinator Associate Professor Magda Tsintsadze  <a href="mailto:magda.tsintsadze@tsu.ge">magda.tsintsadze@tsu.ge</a>  577 204433</p>

Program Structure			
Status of the Course	ECTS		
Computer Science subjects	135 credits		
Mathematical subjects	30 credits		
Natural Sciences subjects	30 credits		
General education	45 credits		
Total	240 credits		
Goal of the Program			
The educational objectives of the undergraduate program “Computer Science” are to issue graduates who will			
1. be productive, responsible computing science professionals conducting research and/or design developing and maintaining projects in the various areas of Computer Science,			
2. understand and apply ethical issues and social aspects of computing science in performing their duties as computer science professionals,			
3. continue the learning of new technologies in the computer science area through self-directed professional development or post-graduate education.			
Learning/Teaching methods			
The Computer Science program is offered as an on-campus daytime program. Our academic year is divided into two semesters (fall and spring). Each semester 15 weeks of instruction, with the sixteenth week used for final examinations.			
The required courses in computer science are offered in every semester, and the most of elective ones are offered at least once a year. Most undergraduate courses are offered during daytime.			
There are three basic program delivery modes:			
Lectures: verbal, problem-based learning (PBL), demonstration method, induction, deduction, analysis and synthesis.			
Seminars, practical and laboratory teaching: verbal, book-based method, laboratory and demonstration methods, practical methods, induction methods, analysis method, and synthesis method, electronic attending (E-learning).			
Team Projects: Verbal, PBL, E-learning, cooperative learning, collaborative work			
Evaluation System			
The student’s knowledge is being evaluated according to the following system: “Excellent”, “Very good”, “Good”, “Satisfactory”, “Sufficient”, “Marginal fail” and “Fail”			
A student is evaluated in accordance with the following principle:			
Scores	Evaluation	Classification of Evaluation	GPA of Evaluation
91 and more	(A) “Excellent”	Positive	4.0
81 -90	(B) “Very good”	Positive	3.0

71 -80	(C) "Good"	Positive	2.0
61 -70	(D) "Satisfactory"	Positive	1.0
51 -60	(E) "Sufficient"	Positive	0.5
41 -50	(FX) "Marginal Fail"	Negative	0
40 and below	(K) "Fail"	Negative	0

The student's final mark in a specific subject is determined by the number of point collected by him/her in the different components (lecture, seminar, practical studies, laboratory exercises) in the course of interim and final (examination) evaluation.

The maximum a viable point in each course is 100. Final exam does not exceed 40 points, interim evaluation represents a combination of test scores, presentation in the class, and team or individual projects. The weight of each components are different for different course and are defined in syllabuses

Grading System of the CS Program is consistent with the TSU standard grading system:

Evaluation	Scores	GPA
A	91-100	4.0
B	81-90	3.0
C	71-80	2.0
D	61-70	1.0
E	51-60	0.5
F-FX	0-50	0.0

## Program Learning Autcomes

### *Performance Indicators for Student Outcomes*

Student Outcomes:

- Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
  - PI 1: Analyze a complex computing problem to identify a solution
  - PI 2: Apply principles of computing to identify a solution to a complex computing problem
  - PI 3: Apply principles of relevant disciplines to identify a solution to a complex computing problem
- Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
  - PII1: Design a software solution to meet a given set of computing requirements
  - PII2: Implement a software solution to meet a given set of computing requirements
  - PII3: Evaluate a computing-based solution to meet a given set of computing requirements
- Communicate effectively in a variety of professional contexts
  - PIII1: Participate effectively in group discussions

- PIII2: Prepare an effective presentation  
 PIII3: Write an effective project report
4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.  
 PIV1: Recognize professional responsibilities in computing practice based on legal and ethical principles.  
 PIV2: Make informed judgment in computing practice based on legal and ethical principles
  5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.  
 PV1: Effectively engaged in team as member or leader  
 PV2: Contributes effectively for common task
  6. Apply computer science theory and software development fundamentals to produce computing-based solutions.  
 PVI1: Apply computer Science theory to produce a solution  
 PVI2: Apply software development fundamentals to produce a solution

#### Level of Learning Achievement

The learning outcomes are defined in the disciplines envisaged by the Bachelor Program of "Computer Science", which are taught in I-VIII semester. To reach this level means:

- Knowledge of fundamental principles and theories in computer science;
- Ability to use key and fundamental algorithms of computer science in different fields of science and practice;
- Ability to use modern programming languages and tools;
- Ability to operate and use different purpose tools of computer science and information technology.

#### Fields of Employment

Fields of employment of Bachelor of Computer Science are: Governance bodies, educational institutions and organizations of different forms of ownership which use computer technologies for their activities. Bachelor of computer science is predominantly prepared for the development and use of modern methods in the field of economy, management and financial activities. Bachelor of Computer Science can occupy any position that according to the laws of Georgia require higher education. The presented bachelor program takes care of graduates' employment, by means of providing opportunities for continues education, as well as by means of invited lectures participating in the program: most of them are representatives of big employers at Georgian labor market, their tight relationship with students increases the chance of employment of successful students with favorable conditions.

#### The Possibility to Continue Learning

Bachelor of Computer Science will be able to continue their study at master degree programs in Computing area, which represent the extension of the undergraduate program. The graduates can continue their education also at master programs in mathematics, engineering, and other Natural Sciences those prerequisite are programming and mathematical knowledge. Major specialty-choosing deadline.

<b>Program title</b>	<b>Master Program in Finance</b>
<b>Study Level</b>	Master Program
<b>Program Prerequisites</b>	<p><b>Local Students:</b></p> <ul style="list-style-type: none"> <li>▪ Holding a bachelor's degree from any accredited higher education institution;</li> <li>▪ Successful passing of the unified master's exams organized by NAEC;</li> <li>▪ Passing the internal admission written exam organized by ISET on English language, which consists of components of Math and basics of Finance;</li> <li>▪ Interview in English with the ISET Admissions Committee, which is based on transparent, pre-defined evaluation criteria. During the interview, applicants must substantiate their motivation to study finance.</li> </ul> <p><b>international Students:</b></p> <ul style="list-style-type: none"> <li>▪ Holding a bachelor's degree from any accredited higher education institution;</li> <li>▪ Passing the internal admission written exam organized by ISET on English, which consists of components of Math and basics of Finance;</li> <li>▪ Interview in English with the ISET Admissions Committee, which is based on transparent, pre-defined evaluation criteria. During the interview, applicants must substantiate their motivation to study finance.</li> </ul>
<b>Language</b>	English
<b>Awarded Qualification</b>	Master of Finance
<b>Length of the Program</b>	6 Trimester
<b>ECTS</b>	120
<b>Tuition fee</b>	3000 USD equivalent in GEL - For Georgian citizens 4000 USD equivalent in GEL - For international students
<b>Department / Institute</b>	Ivane Javakhishvili Tbilisi State University (TSU) - International School of Economics at TSU (ISET)
<b>Faculty</b>	Faculty of Economics and Business International School of Economics at TSU (ISET)
<b>Contact Persons</b>	<p>ISET Director: Tamar Sulukhia, PhD</p> <p>Program Head: Muhammad Asali, PhD</p> <p>Tel.: +995 032 2507177</p> <p>E-mail: : <a href="mailto:info@iset.ge">info@iset.ge</a></p>
<b>Program Structure</b>	
<b>კურსის სტატუსი</b>	ECTS

General Compulsory Courses	89 ECTS (60 ECTS first year and 29 ECTS second year)	
Specialization Core Optional Courses	19 ECTS (15 ECTS Master Thesis and 4 ECTS Capstone Project)	
Optional Courses	12 ECTS (second year)	
Minor program		
Total	120 ECTS	
Goal of the Program		
<p>The objectives of the Master program in Finance are:</p> <ul style="list-style-type: none"><li>• Bring up highly qualified financial sector specialists, who will be equipped with knowledge and practice of modern finance theory and methods and possess skills to apply obtained knowledge into practice;</li><li>• Prepare internationally competitive professionals in the field of finance, who are advanced to apply latest technologies and innovations into analysing and dealing with modern challenges in the field of finance at the local and global level;</li><li>• Equip graduates with highest standards of professional ethics and responsibility that enables them to contribute to the development of society in Georgia, the region and beyond, in particular to improve public finance and private sector financial management;</li><li>• Create the necessary base for continuing studies at the doctoral level and conducting academic research.</li></ul>		
Learning/Teaching methods		
<ul style="list-style-type: none"><li>• Lectures</li><li>• Problem-based learning</li><li>• Group / individual work</li><li>• Written work</li><li>• Practical work</li><li>• Analysis</li><li>• Discussion / debate</li><li>• Case study</li><li>• Presentation / Demonstration</li></ul>		
Evaluation System		
Student’s knowledge is evaluated using the following grading scale: “Excellent”, “Very good”, “Good”, “Satisfactory”, “Sufficient”, “Marginal fail” and “Fail”.		
Scores	Designation	Classification of Evaluation
91-100	(A) “Excellent”	Positive
81-90	(B) “Very good”	Positive



71-80	(C) "Good"	Positive
61-70	(D) "Satisfactory"	Positive
51-60	(E) "Sufficient"	Positive
41-50	(FX) "Marginal Fail" (Failed with the rights to the additional exam)	Negative
0-40	(L) "Fail" (Student should retake the teaching course)	Negative

### Program Learning Autcomes

By the end of the study and after successful completion of the master program, students:

#### B. Knowledge and Understanding

- Understand systematically the fundamental financial notions, concepts, and tools;
- Review analytically and critically the activities of central banks, international financial institutions, sovereign and private investment funds;
- Understand in depth the interrelationships between financial and economic variables based on the innovations and recent achievements in the finance sector;

#### B. Skills

- Use financial concepts and tools in the decision-making process;
- Analyze financial markets, capital market operations, the activities of central banks, international financial institutions, sovereign and private investment funds;
- Plan and manage strategically important financial issues using corporate governance tools;
- Adapt and apply technological and other innovative multidisciplinary approaches and methods in solving practical issues in the field of finance;
- Conduct research in accordance with the standards of academic honesty and ethics and present the results to stakeholders, both orally and in writing in English language;

#### C. Responsibility and Autonomy:

- Conduct continuous professional development autonomously.
- Defend own opinion based on results of the research and analysis in case of differences in views
- Take independent decisions

### Fields of Employment

Graduates of the program will be able to work on strategically important issues in the field of finance in the country, in the region and internationally, in organizations such as central banks, international financial institutions, sovereign and private investment funds, as well as other public and private institutions, both domestically and internationally.