

Joint Program Implementation Action Plan

According to the criteria to satisfy the minimum standards required for granting academic degrees, in accordance with the provisions of Article 49-1 of the Law of Georgia on Higher Education and the Statute of Georgian Technical University, the work is carried out with partner institutions: in cooperation with higher education institutions and scientific-research centers of Georgia and foreign countries.

The basic principles of development and implementation of programs are transparency and credibility.

Planning and implementation of the Joint Program will be carried out in partnership with partner universities in the framework of joint initiatives, cooperation within the framework of the signed agreements/memorandums. The rules and specificity of implementation of Joint Educational Programs are determined by the Academic Council on the basis of memorandums and treaties between partner universities, an international joint program is a joint program, one partner is a foreign institution. The aim of joint educational programs is to prepare competent specialists, bachelor, master and doctoral level students, having the adequate knowledge and skills to manage current processes and relevant changes. Specific goals and objectives are determined by the appropriate stage of educational programs.

The principles of implementation of the inter-university joint program are (forms):

- a) Organizing joint teaching
- b) Student co-supervising
- c) Awarding Joint Quality

The educational program has a Georgian and / or foreign supervisor and co-supervisor ; At present, the joint programs are carried out at the Georgian Technical University:

Master's Program "Biomedical Engineering"

The Department of Biomedical Engineering, the Faculty of Information and Management Systems of Georgian Technical University has been implementing a joint master's program "Biomedical Engineering.

- Master's Educational Program "Biomedical Engineering" is a joint, complex program and is implemented by the three Georgian Universities - ATSU, TSMU, and GTU academic and material resources. This provides joint opportunities to achieve significant competences; additional resources from Partner Universities in Research Components.
- Master 's Educational Program "Biomedical Engineering" has been developed within the framework of the EU TEMPUS project BME-ENA Biomedical Engineering Education Tempus Initiative in Eastern Neighboring Area (Project Number: 543904-TEMPUS-1-2013-1-GR-TEMPUS-JPCR). With the coordinated activities of European and Georgian partners, by sharing their experience, within the framework of the project budget , the laboratory is equipped with the proper equipment. The program passed through Accreditation and under the order of Accreditation Council of Educational Programs № 125, 25.08.2010, accreditation was granted for 7 years. Within the frames of the memorandum signed between The University of Alabama at Birmingham and GTU, an English-language PhD program "Biomedical Engineering" has been prepared.

The work in the same direction is carried out to create a joint master's English language program within the frames of the contract signed between West Pomerania Technological University (Poland) and GTU. That is the basis for the relationship developed with this partner organization within the TEMPUS and Erasmus projects, On the basis , the biomedical engineering students

and academic staff, Erasmus mobilized participants in the exchange program (7 students) in 2015-2018.

Bachelor's Program "Viticulture-Oenology"

The Viticulture-Winery Department of the Faculty of Agrarian Science and Biosystems of the Technical University of Georgia will conduct the Vocational Education-Bachelor's Degree Program from 2018. In the framework of the Memorandum of Cooperation signed with the University of Milan, signed by the Technical and Milan Universities of Georgia in 2016.

In the framework of the curriculum, the students of Bachelor's Degree will have the opportunity to pass the first or second semester of the last course in Italy, in particular, at the University of Milan at the Viticulture and Winery Department, after completing the course, they get dual diploma and qualification from both universities. The same department is working with Supagro University (France) to enhance and develop training programs, to create joint master's programs. The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH is supported by the South Caucasus Bureau of Human Resources and Program Development, Georgian Technical University and German State University. University of Magdeburg and University of Professional Development (Otto-von-Guericke University of Magdeburg, National Center for Teacher Professional Development), Within the frames of the Memorandum of Cooperation signed in 2016 (with PDC and the DAAD), GTU is working on a German-Georgian joint master's program: "Vocational education and human resources development", being relevant to the similar program of Magdeburg University: „International Technical and Vocational Education and Training“. **This program has even the same approach as intended and bases on UNESCO Framework-Curriculum.**

The aim of the program is to prepare professional teachers for vocational education in order to ensure high quality education. The peculiarity of the program is that the graduate students of pedagogical programs do not have master's degree, but bachelor's degree of engineering

education. Consequently, the professors of technical profile of GTU, Magdeburg University professors and the teachers' vocational development center of GTU are involved in the project (hpep.ge). The Program accreditation is intended for 2018-19 academic years, and the process of implementation involves 2019-21 years. The first year of the program will be conducted with the participation of German professors in GTU and for the students of foreign language, it will be possible to pass the second year at the University of Magdeburg, which will enhance mutual diplomacy and recognition. In addition, with the new offer of Magdeburg University and GIZ, a vocational education program "Vocational Education Studies" in compliance with international standards, is planned for 2018. Which is absolutely new for Georgia and we hope that it will significantly improve the modern standards of professional education in our country. The work on the program is planned for 2019-20 years, and the implementation period will last until 2022.

In addition to Georgia, several Universities Of Armenia and Azerbaijan are involved in the project , which in turn will facilitate joint solutions to the problems in the South Caucasus region in the field of vocational education. Faculty of Architecture Urban and Design, as a Consortium member ,participated in the project of the EU-funded TEMPUS Program ([Reform of Education Thru International Knowledge exchange](#)) RETHINKe (54417 8-T EM PUS-1-2013-1-PT-TEMPUS-JPCR , grant agreement 2013-5076)on the basis of which was prepared the English language, dual quality doctoral program in urbanistics and architecture -“Sustainable Urbanistics “.

On the basis of the agreements concluded with the partner organizations at the Technical University of Georgia, it is planned to develop joint educational programs with different faculties in relevant directions:

Faculty of Informatics and Control Systems:

- West Pomeranian University Of Technology- Szczecin, Poland

- UNIVERSITE PARIS-SUD - University of Southern Paris
- SAN DIEGO STATE UNIVERSITY -

Faculty of Architecture, Urbanistics and Design

- CZECH TECHNICAL UNIVERSITY -
- UNIVERSITY OF MILAN -
- SAPIENZA UNIVERSITY OF ROME -
- VILNIUS COLLEGE OF TECHNOLOGIES AND DESIGN -

Faculty of Civil Engineering

- THE UNIVERSITY OF IOWA

Faculty of Power Engineering and Telecommunication

- THE NATIONAL INSTITUTE OF TELECOMMUNICATIONS OF POLAND -

Kharkov Technical University.

- Agricultural Engineering and Biosystem Engineering
- POZNAN UNIVERSITY OF LIFE SCIENCES –
- Development of joint programs is also based on the following agreements with partner universities, which is a future plan for the development and implementation of joint programs at Georgian Technical University.
- TOURISM ACADEMY, ANTALIA -
- THE UNIVERSITY OF ALCALA -
- UNIVERSITY OF HRADEC KRALOVE -
- VYTAUTAS MAGNUS UNIVERSITY -
- KLAIPEDA TECHNICAL UNIVERSITY -

- KAUNOKOLEGIJA/UNIVERSITY OF APPLIED SCIENCES -
- VILNIAUS KOLEGIJA/UNIVERSITY OF APPLIED SCIENCES -
- UNIVERSITY OF SCIENCE AND TECHNOLOGY IN BYGDOSZCZ
- VIDZEME UNIVERSITY OF APPLIED SCIENCES
- TECHNICAL UNIVERSITY OF OSTRAVA -
- LUBLIN UNIVERSITY OF TECHNOLOGY -
- UNIVERSITY OF FINANCE AND MANAGEMENT IN WARSAW -
- GDANSK UNIVERSITY OF TECHNOLOGY -
- NATIONAL RESEARCH UNIVERSITY OF ELECTRONIC TECHNOLOGY -
- KYIV UNIVERSITY OF LAW OF THE NATIONAL ACADEMY OF SCIENCES OF
UKRAINE
- • National University of Bio-Resources and Nature Use (Ukraine)
- THE UNIVERSITY OF ALABAMA AT BIRMINGHAM
- SAN DIEGO STATE UNIVERSITY -
- THE UNIVERSITY OF NOTTINGAM
- BIRMINGHAM COLLEGE -
- SLOVAK UNIVERSITY OF AGRICULTURE IN NITRA
- THE UNIVERSITY OF INFORMATION SCIENCE AND TECHNOLOGY “ST.PAUL
THE APOSTLE” ORHID, REPUBLIC OF MACEDONIA -
- THE UNIVERSITY OF NIS - (Serbia)
- CHANDIGARH UNIVERSITY
- UNIVERSITY OF FORESTRY - Sofia, Bulgaria.
- UNIVERSITY OF PETROSANI -
- TECHNICAL UNIVERSITY OF COLOGNE -
- MODUL UNIVERSITY VIENNA -
- UNIVERSITY OF AQUILA -

- HAS UNIVERSITY OF APPLIED SCIENCES -
- LINNÆUS UNIVERSITY, SWEDEN -
- POLYTECHNIC UNIVERSITY OF MILAN -
- UNIVERSITY OF ROME "TOR VERGATA" -
- NATIONAL TECHNICAL UNIVERSITY OF ATHENS