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Georgian Technical University



Education Interdisciplinary Reform in Tourism Management and Applied Geoinformation Curricula –HERITAG Project

Batumi Shota Rustaveli State University (BSU)
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International Relations and Standards Office

Quality Assurance System at Georgian Technical University



GTU at a Glance

Georgian Technical University (GTU) is one of the biggest educational and scientific institutions in Georgia.

Main focus - providing opportunities to learn excellent professional and academic skills maintaining internationally competitive education, research and innovation services significant for Georgia's sustained development.

1922 - was founded as a Polytechnical Faculty of Tbilisi State University

1990 - Georgian Polytechnic Institute was granted the university status and was named the Georgian Technical University (GTU)

2001 - GTU became a full member of the European University Association – EUA

2005 - Georgia joined Bologna Process

Educational Programs:



211 educational curricula are accredited at GTU

- 44 Vocational programs currently active (total number - 184 Vocational programs) - 150 ECTS
- 69 Bachelor's degree programs - 240 ECTS
- 46 Master's degree programs - 120 ECTS
- 38 PhD programs - 180 ECTS

Languages of Study (4):

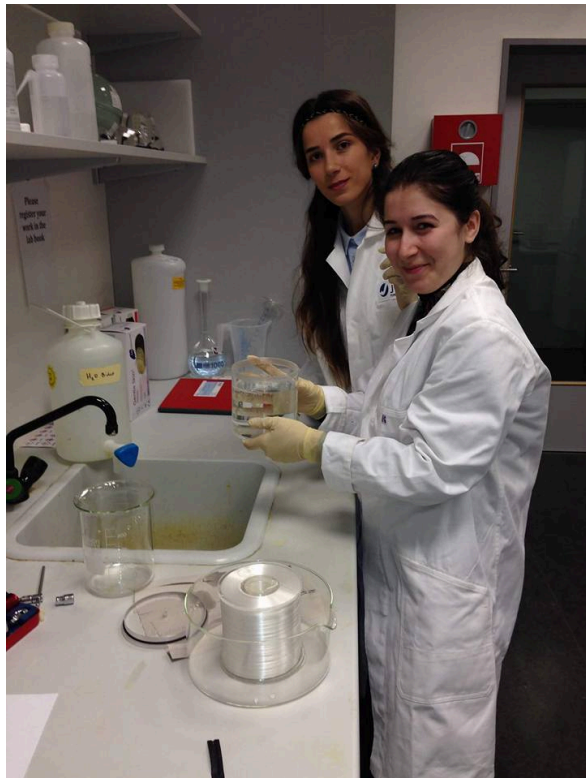
- Georgian
- Russian
- English
- German

GTU has licensed **Rosetta Stone®** language learning software, which includes American English, British English, Dutch, French, German, Italian, Spanish. Learning programs are also suited to user needs, as the software offers Complete beginner, Beginner, Intermediate and Advanced levels.

Facts and Figures



- ✓ Faculties 12 (covering Engineering, Technology, Humanities, Law, Business, Social Sciences)
- ✓ Departments - 59
- ✓ Scientific and Educational Centers – 127
- ✓ Affiliated Scientific-Research Institutes – 17



- ✓ Vocational students – 993 (quota – 1340)
- ✓ Undergraduate students – 18719
- ✓ Postgraduate students – 1251
- ✓ Ph.D students – 640
- ✓ Foreign students – 652
- ✓ Academic Personnel–1228
- ✓ Full Professors-505
- ✓ Associate Professors–533
- ✓ Assistant Professors–190
- ✓ Invited Professors–279
- ✓ Teachers–369
- ✓ Support Personnel-2179



Country	Number
1. Azerbaijan	508
2. Russia	76
3. Iraq	7
4. Qatar	1
5. Korea	1
6. Armenia	6
7. Uzbekistan	3
8. Ukraine	18
9. Kyrgyzstan	1
10. Turkey	9
11. Nigeria	1
12. Iran	9
13. Kazakhstan	4
14. Latvia	1
15. Canada	1
16. Belorussia	1
17. Egypt	2
18. Yemen	1
19. Lithuania	1
20. Mexico	1
21. Georgia	13
Total	665

Number of foreign citizens and Georgian citizens - graduates abroad studying at Georgian Technical University (International Students)



List of HE Programmes in Foreign Languages



• English-Language Bachelor's Programs	11
• English-Language Master's Programs	7
• English-Language PhD Programs	2
• Georgian-Deutsch Language Bachelor's Program	1
• Russian-Language Bachelor's Programs	23
• Russian-Language Master's Program	3
• Russian-Language PhD Program	1

<http://gtu.ge/Eng/Study/Eng-Lang-Educational-Programs.php>

<http://gtu.ge/Eng/Pdf/Rus-Lang-educational-programs.pdf>



STEM Programs at GTU

GTU is actively involved in the implementation of the international projects in higher and vocational education. GTU has intensive and successful partnership with Erasmus + programme and Millennium Challenge.

GTU participates in Millennium Challenge Corporation (MCC) project for STEM Higher Education Development in Georgia.

The program is funded by MCC (\$29 million grant) and won by San Diego State University of California (SDSU) with Georgian partner universities: Georgian Technical University, Ilia State University and Tbilisi State University.

Indicative STEM programs include **Electrical (Power) Engineering, Computer Engineering, Computer Science, Chemical Engineering** and **Civil Engineering** fields at Georgian Technical University.



*Georgian Technical University
as Coordinator/Partner of
European Educational Projects
(1996- till present)*

- **TEMPUS Projects** 15
- **Erasmus Mundus Projects** 5
- **FP7 Projects** 6
- **ERASMUS+ Key Action 2 Projects** 4
- **ERASMUS+ Key Action 1 Projects** 29



ERASMUS+ *Statistics*

Mobility Participants within

Key Action 1 Projects at GTU

2015 till present

- **Incoming Academic/Administrative Staff 30**
- **Outgoing Students 39**
- **Outgoing Academic/Administrative Staff 27**

International Partnerships



GTU has advanced partnerships in the fields of education and research with the world's leading organizations, such as KEK - High Energy Accelerator Research Organisation (Japan), Forschungszentrum Jülich GmbH (Germany), CERN - European Organization for Nuclear Research (Switzerland), JINR - Joint Institute for Nuclear Research (Dubna).

International Relations

Institutional Membership in International Networks and Associations



- EUA – European University Association (Brussels, Belgium)
- ITU - International Telecommunication Union (Geneva, Switzerland)
- Black Sea Universities Network (Romania, Constanta)
- Association of American Colleges and Universities (AAC&U) (USA)
- Association “ Rondine Cittadella della Pace” (Arezzo, Italy)
- European University Information Systems (EUNIS) (Paris, France)

GTU has beneficial partner relationships with various research and scientific-educational institutions and organizations, including up to 64 local and 79 international organizations.

GTU Quality Assurance System



- „Quality Assurance System" - term used to describe the overall framework and the various elements and processes involved in quality improvement at GTU.
- The system realize process involving four key interrelated elements - **Planning, Implementing, Reviewing, and Improving (PIRI)**. The system operates within the context of the University's Mission, policy framework, and legal and other external obligations.
- QA system encompasses the need for regular and frequent discussion and analysis of findings from feedback, monitoring reports and reviews in order to identify desirable or necessary improvements in University operations or performance.
- Proposed improvements are usually included within current plans or scheduled for consideration as part of the next planning cycle.
- The implementation of planned improvements is monitored and reported whether those improvements are having their intended effect.



QA for Administrative/Academic Staff

- GTU QA Service representative is attending the lectures for the monitoring and quality assurance together with the representatives of QA Services from the Faculties and special Commission approved by GTU Rector
- While attending the lectures are monitored organizational issues (registration in time, relevance of discussed topic to the syllabus, etc.) and the skills of Professor/Teacher delivering the lecture (knowledge, personal skills, etc)
- After the evaluation the Commission presents appropriate conclusions and recommendations



Piloting an Automated Assessment System

- It's planned to piloting and implement an Automated Assessment System at GTU in 2017-2018
- Automated assessment system will provide assessment of GTU administrative/academic staff by the previously defined specific criteria
- The system will assess each position by the criteria individually identified and relevant to its responsibilities at GTU
- Automated assessment system rules, appropriate processes and procedures have been developed and now they are under discussion by GTU authorities
- Automated assessment system provides opportunities for the evaluation of GTU administrative/academic staff and based on this evaluation University will be able to specify appropriate professional and carrier development activities



QA Documents Developed at GTU

- Recommendations for the development of educational programmes
- Recommendations for the development of syllabus
- Guidelines for educational programmes review and approval
- Guidelines for Syllabus approval
- Guidelines for coding the study courses

Procedures for updating and upgrading a Study Course



- In case of study course is to be updated/upgraded relevant information firstly is proposed to appropriate Faculty Dean and Quality Assurance Service and discussed at the Faculty Council – the procedure takes 1 month
- Afterwards the proposal is presented to the GTU Quality Assurance Service for further recommendations - the procedure takes 14 days
- Taking into account received recommendations the issue will be discussed and considered at GTU Academic Council - the procedure takes 1 month
- After its approval by GTU Academic Council the implementation of new study course will be possible for upcoming new academic year



Thank You