



ILIA STATE UNIVERSITY

Georgia





MAIN PRINCIPLES:

3

- UNITY OF TEACHING & RESEARCH
- UNITY OF LIBERAL & SPECIALIZED EDUCATION
- UNITY OF UNIVERSAL & LOCAL

Ilia State University (ISU), located in Tbilisi, Georgia, is a flagship public research and comprehensive higher education institution in the South Caucasus which focuses on scientific advancement and transferring top notch knowledge to facilitate societal development.

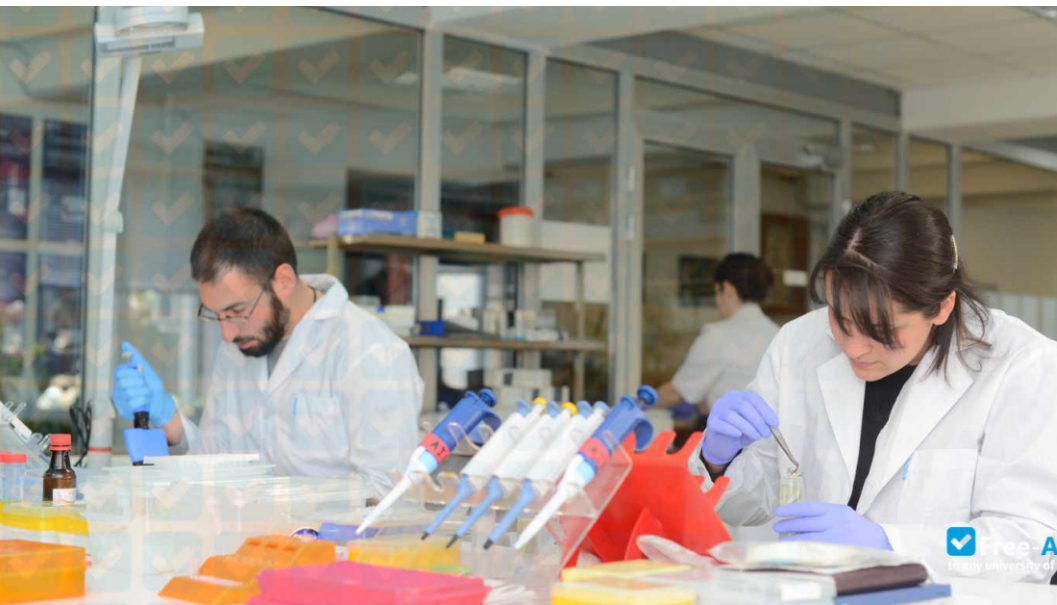
Established in 2006 as a merger of six different institutions, each having a long history and a diverse institutional profile, Ilia State University justly occupies the top position among research universities in South Caucasus (according to SCImago Institutions Rankings).

Its 4 schools (School of Arts and Sciences, School of Natural Sciences and Engineering, School of Business, and School of Law) offer distinctive training in their respective directions and along with 30 large and small scale

research institutes, centers and stations – create in-depth research opportunities in social sciences, humanities, business, law, life sciences, earth sciences, and hard sciences.

ISU has secured unique position in Georgia's educational system for its contribution to science popularization, boosting entrepreneurial ecosystem of the country and actively carrying out social responsibility projects.

With the highest competition rate for PhD programs in the nation, extensive international ties, around 16,000 students, over 1,500 highly qualified academic and research staff, and with renovated research infrastructure in several Georgia's regions, ISU has become one of the most desirable universities to study and work for in the country.



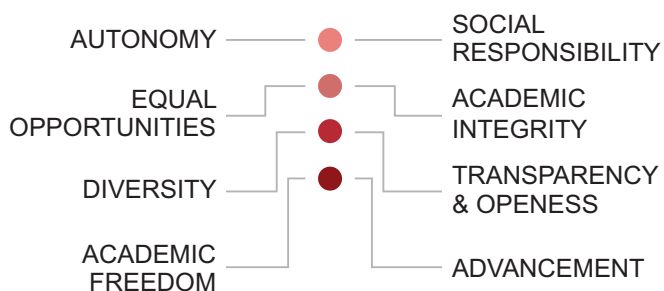
MISSION

The mission of Ilia State University is to create, transfer and apply knowledge for the purpose of scientific advancement and societal development at both the local and international level.

VISION

Ilia State University will be the leading and rapidly developing research university in Georgia and the entire region by 2024 creating the bases for scientific and technological progress, high standard educational processes and public wellbeing through its innovative approaches.

CORE VALUES



ISU IN FIGURES



300
Professors &
1000 Lecturers



23 Bachelor &
49 Graduate
(Master and PhD)
Programs



15,978
Students



301 Researchers
90 Ongoing
Research Projects



Around **30**
Research Institutes
& Centers



N1 Research
University in South
Caucasus (SCimago
Institutions Rankings)



Over **30 Million**
Gel Income from
International Donors
during 2006-2018



N1 Choice for
Georgian Freshmen
since 2015

4 SCHOOLS:



School of Arts &
Sciences



School of Natural
Sciences &
Engineering



School of Business



School of Law

School of Arts and Sciences



School of Arts and Sciences is one of the largest and oldest schools of ISU. The school offers highly reputable academic programs on all 3 levels (Bachelor's, Master's, and Doctoral) including in Liberal Arts, Philosophy, Education, Political Science, International Relations, Psychology, Sociology, European Studies, History, Foreign Languages, Theatre Studies, Music, Religion Studies, Public Policy, Soviet Studies, Archaeology, Art Studies, Medieval Studies, Social Work and other programs covering the fields of Social Sciences, Humanities and Arts.

School of Arts and Sciences is the partner of Erasmus Mundus Joint Master's Degree in Central and East European, Russian and Eurasian Studies (CEERES), together with the Glasgow University (UK) and Tartu University (Estonia), funded by European Commission.

School of Natural Sciences and Engineering

School of Natural Sciences and Engineering is a research intensive school offering a wide diversity of top quality academic programs. It implements BA, MA and PhD programs in Physics and Astronomy, Mathematics, Biology, Neurosciences and Biochemistry, Ecology and Genetics, Electrical and Computer Engineering, Nutrition Science, Sustainable Natural and Forest Resources Management, New Materials for Nanoengineering, Energy and Mineral Resources Management and Sustainable Development, Green Architecture and Software Engineering.

The school holds top positions in Caucasus for its research in astronomy and astrophysics, neurobiology, ecology, genetics, and evolutionary studies. Basic and applied research is performed in a number of research laboratories and facilities located both on campus and in various regions of Georgia.



SCHOOLS

Business School



The Business School serves around 6,000 students within its undergraduate and graduate programs. The School runs BA, MA and PhD programs in the field of Business Administration (Tourism, Banking, Finances, Management), Cultural Management, Public Relations and Healthcare Policy and Management.

The School is founded on the following values: Entrepreneurial spirit, creativity and innovation; Critical and systemic thinking; Transformative learning; Independent and fact-based decision-making; Social responsibility.

The entrepreneurial spirit in the school is supported through the educational programs by engaging students in practical real-work environment in the modern labs, research activities and gaining hands-on experience in cooperation with Georgian business sector.

School of Law

In recent years, Ilia State University School of Law has emerged as one of the foremost educational institutions in Georgia. The law school runs the following degree programs: Bachelor of Laws (LLB), Master of Private (Business) Law (LLM), Master of Public Law and Policy and Master in Criminal Law.

The faculty unites seasoned lawyers from all walks of life: judges adjudicating cases in common courts or the Constitutional Court of Georgia, successful in-house and litigation lawyers, human rights defenders, public prosecutors and women's right activists.

The goal of the School of Law is to produce not only successful lawyers, but all-round professionals who are ready to pursue successful careers in different sectors.



RESEARCH INSTITUTES

- Evgeny Kharadze Abastumani National Astrophysical Observatory
- Institute Earth Sciences
- Institute of Biophysics
- Institute of Theoretical Physics
- Institute of Fundamental And Interdisciplinary Mathematics Study
- Institute of Chemical Biology
- Tengiz Oniani Laboratory of Sleep-Wakefulness Study
- Institute of Ecology
- Institute of Zoology
- Botanical Institute
- Dimitri Uznadze Institute of Psychology
- Institute of Linguistic Studies
- Institute of Comparative Literature
- Institute of Social And Cultural Studies
- Child Development Institute
- Institute of Demography And Sociology
- Institute of Medical Research
- Institute of Addictology
- Institute of Applied Physics
- Institute of Economics & Business
- Institute of Energy & Sustainable Development
- School of Healthcare & Insurance
- Giorgi Tsereteli Institute of Oriental Studies
- Savle Tsereteli Institute of Philosophy



Iliuni Botanical Institute, Tbilisi

NO.1 RESEARCH UNIVERSITY IN SOUTH CAUCASUS, ACCORDING TO SCIMAGO INSTITUTIONS RANKINGS

- Around **30** Research Institutes & Centers for fundamental and applied research
- Numerous research sites throughout Georgia
 - Astrophysical Observatory in Abastumani
 - Alpine Ecology Research Station in Stepantsminda
 - Maritime Research Station in Grigoleti
 - Field research base in Dedoplistkaro
- **90** Research projects (over **300** in **10** years)
- The highest research citation index in Georgia
- **16** of the **40** leading scientists in Georgia (**40%**) are conducting their research within various institutes and research centers of **ISU**
- Majority of university research is published in hard sciences

THE BEST GEORGIAN SCIENTISTS OF THE YEAR 2017

Prof. Timothy Blauvelt - the best foreign scientist, Kartvelology
Prof. Tamar Makharoblidze - the best scientist, Georgian studies
Prof. Temur Zakarashvili, Vasil Kukhianidze and David Kuridze - the best research group, Astrophysics

By Shota Rustaveli National Science Foundation



PASCAL PRIZE (SINCE 2014)

*Annual Institutional Award of 3000 GEL
for Young Researchers*

Research Vessel St. Ilia, Grigoleti

Supporting Young Scientists

Transdisciplinary “Lehmann-Haupt International Doctoral School”

In 2017 Ilia State University established the Transdisciplinary “Lehmann-Haupt International Doctoral School” (IDS). The IDS is set to become an umbrella doctoral school with common, subject-overarching instruments for all faculties.

Due to its strong focus on international exchange and mobility, the IDS will offer Cotutelle-based PhD projects leading to double or even multiple degrees. The IDS stands for excellence in doctoral education to lift the Georgian PhD to a new level of international competitiveness by generating an inclusive, interdisciplinary and international academic culture and research environment for its PhD students as early stage researchers.

Structured PhD Programs

In cooperation with the University of Göttingen (Germany) ISU launched a joint project supported by the Volkswagen Foundation and the National Science Foundation of Georgia, to jointly offer structured doctoral training in following disciplines: General Linguistics, Language and Language Change, East- European History, Religious and Cultural Studies, Political Science, Forest Ecology, Cosmology, Geophysics and Astrophysics, Chemical Biology, Development Economics, Constitutionalism.

The partnership foresees a Cotutellebased joint supervision by professors of ISU and University of Göttingen for 12 selected students, as well as one-year research mobility in Germany and the award of a double PhD degree.

RESPONSIBLE RESEARCH & INNOVATION

Ilia State University is part of the Horizon 2020 project NUCLEUS, which aims to develop and implement inclusive and sustainable approaches to Responsible Research and Innovation in partner institutions. Based on the analysis of structural and cultural obstacles to RRI, ISU will introduce innovative approaches to overcome these barriers and stimulate research and innovation which continuously reflects and responds to societal needs. Project will also develop practical guidelines on RRI for HEI's and funding agencies in Europe and globally.



National Astrophysical Observatory, Abastumani

PUBLICATION: “Alfvén wave dissipation in the solar chromosphere”

chromosphere” article by ISU professor and researcher of Abastumani Astrophysical Observatory, Teimuraz Zakarashvili and his British and American colleagues has been published in the influential scientific journal *Nature Physics* in 2018. The article provides the first observational evidence of Alfvén waves heating chromospheric plasma in a sunspot umbra through the formation of shock fronts.

Evgeny Kharadze Abastumani National Astrophysical Observatory

OBSERVATION: Binary Asteroid

In 2016, the astronomers of Abastumani Astrophysical Observatory observed a very rare object - the binary asteroid 5872 Sugano. Binary asteroids are made of two bodies orbiting each other. 5872 Sugano is at a distance of about 300 million km from Earth. Its bodies are 5.6 and 1.7 km in diameter. The research was conducted in collaboration with US and Czech scientists. A group of astronomers of Abastumani Observatory led by Dr. Raguli Inasaridze are monitoring the near-Earth asteroids, with 70-cm Meniscus telescope.

Evgeny Kharadze Abastumani National Astrophysical Observatory

INTERNATIONAL CONFERENCE: “Our Mysterious Sun: Magnetic Coupling between Solar Interior and Atmosphere”

In September 2017, the Astrophysical Observatory of Ilia State University organized the large scale international conference involving world's leading scientists and research institutions. Current achievements and future perspectives of magnetic connection between solar interior, photosphere, chromosphere, corona and solar wind have been discussed. Latest developments in preparation for upcoming solar missions (solar probe, solar orbiter) and ground-based telescopes (DKIST, EST) have been in the spotlight.

Evgeny Kharadze Abastumani National Astrophysical Observatory.

ESTABLISHMENT:

With the support of CRDF Global funding Pathogens Research and Education Center was established at Ilia State University. The center is equipped with a biosafety level 2 and proteomics study equipment. The aim of the center is molecular-biological characterization of particularly dangerous pathogens of Georgia.

Institute of Chemical Biology.



Exploring Biodiversity in the Caucasus Region



Project: Exploring Biodiversity in the Caucasus Region

BOOK: “Plant Diversity in the Central Great Caucasus: A Quantitative Assessment”

A new Book by ISU Professors George Nakhutsrishvili, Otar Abdaladze, Ketevan Batsatsashvili, in collaboration with Swiss professors Eva Spehn and Christian Körner has been published by Springer. The book presents the first assessment of the high-elevation flora of the Central Caucasus with a community ecology emphasis.

Institute of Botany, Institute of Ecology

PROJECT: Exploring Biodiversity in the Caucasus Region

ISU teamed up with the Zoological Research Museum Alexander Koenig and University of Göttingen to carry out DNA barcoding of the Caucasian biodiversity. The project Georgian-German Biodiversity Center (GGBC) is supported by the Deutsches Zentrum für Luft- und Raumfahrt. The main target activity of the GGBC is development of powerful infrastructure for storing large DNA and tissue collections, barcoding wild and domestic animals, plants, fungi and other organisms ever recorded for Georgia (and potentially other parts of the Caucasus region), for sequencing genomes of genetically unstudied organisms and

bioinformatics expertise and hardware for the analysis of big genomic data.

The outcomes of the ongoing pilot projects will be reflected in the online database www.biodiversity-georgia.net, hosted by the scientists of the Institute of Ecology.

Institute of Ecology

DIGITAL HUMANITY PROJECTS:

National Corpus of Georgian Language

- annotates corpora of about 128,000,000 tokens. The first section of the corpus combines primary sources of “Pre-Athonian” period (V-X AD) of Georgian literary tradition. The bilingual part of the corpus contains corpora of main Georgian literary and historical texts - The Knight in the Panther’s Skin (Georgian-English) and The Georgian Chronicles (Georgian-Armenian).

The Epigraphic Corpus of Georgia

- documents the cultural heritage monuments preserved in Georgia, such as Georgian, Urartian cuneiform, Aramaic, Persian, Greek, Armenian, Albanian and Arabic stone inscriptions and manuscripts dating from V AD.

The Prosopographical Database of 20th Century Georgia - compiles prosopographical dataset for Pre-Soviet and Soviet Georgia.

Institute of Linguistic Studies



Child Development Institute , Tbilisi

CHILD DEVELOPMENT INSTITUTE

is a multifunctional and multi profile unit at Ilia State University, which creates a space for education, research and quality services in the domain of child and adolescents' development.

The Institute unites the following centers:

- *Preschool and Inclusive Education Center*
- *Practical Center for Education, Consulting and Rehabilitation of Children with Special Needs*
- *Early Childhood Development Center*
- *Autism Center*

Currently the institute provides services to around 200 children and adolescents with special needs free of charge, in cooperation with Tbilisi City Hall. Through private donations the institute recently established:

- *Sensory room*
- *VR Laboratory*

ILIAUNI LITERARY CONTEST

Iliauni literary Contest has a history of eight years. To support Georgian Literature, Ilia State University annually offers the highest literary award of 10,000 GEL to the authors of the best new original novels or translations. The winner is chosen by a jury of **ISU's** professors and students. Nine Georgian authors and translators have received one of the most prestigious literary award in Georgia:

- *Aka Morchiladze for "Mameluk" (2010)*
- *Zaza Burchiladze for "Inflatable Angel" (2011)*
- *Ana Kordzaia-Samadashvili for "Who Killed Chaika?" (2013)*
- *Jaba Zarqua for "The Reader Must Die" (2013)*
- *Zaza Chiladze for the translation of "Flags in the Dust" by William Faulkner (2014)*
- *Nana Eqvtimishvili for "The Pear Field" (2015)*
- *Archil Kikodze for "Southern Elephant" (2016)*
- *Lasha Bughadze for "Little Country" (2017)*
- *Zurab Jishkhariani for "Chewing Downs: Sugar Free" (2017)*

GEORGIAN SIGN LANGUAGE LEXICON

The **ISU** Sign Language Lab within the Institute of Linguistic Studies introduced the first Georgian dactyl alphabet available online as well as printed Lexicon of Georgian Sign Language. The project is funded by the Shota Rustaveli National Science Foundation. The lexicon is created with the direct participation of the deaf community and is complemented with the sign language grammar and methodological guidebooks for schoolteachers.

SOCIAL RESPONSIBILITY



Ilia State University, Solar Photovoltaic Systems

ONLINE ILIAUNI

Ilia State University launched a new project, Online Iliauni, in order to make knowledge accessible to a wider audience. This allows any interested individual to complete various types of online courses relevant to their interests. The portal offers following educational resources:

Courses – Complete courses in various disciplines, as well as tests for assessing their progress after the course. Along with video lectures textual versions of lectures are also available. Students can connect with the lecturers as well.

Lectures – Video recordings of stand-alone lectures (e.g., lectures by invited and/or visiting lecturers at Iliauni).

Tutorials – Practical tutorials focused on specific skills' development, e.g., binding a book, voice processing or tree pruning, etc.

Online Television – Short films, in which renowned Georgian scientists elaborate upon their professional choices.

Online Training Courses for Unified National Entrance Examinations – Various resources for future students, willing to pass unified national entrance examinations.

Website: <http://online.iliauni.edu.ge>

Online Training Courses for Unified National Entrance Examinations Various resources for future students, willing to pass unified national entrance examinations.

Website: <http://online.iliauni.edu.ge>

GREEN CAMPUS & SUSTAINABILITY

Ilia State University is the first HEI in Georgia to use solar energy power. Since 2016, two buildings of ISU are fully supplied with energy provided by solar photovoltaic systems. Solar photovoltaic systems installed on campus provide 35 kilowatt of energy power - ecologically pure electricity, free from any harmful emissions.

The Project for Introduction of Clean Energy by Solar Electricity Generation System was financed by the Government of Japan. This is the first solar power project of this scale implemented in Georgia. Within the framework of the project, ISU received not only environment friendly power source, but also fully equipped lab for ecology research. Study tours for schools and wider society are organized to demonstrate the benefits of renewable and solar energy.

Ilia State University is one of the first educational institutions in Georgia to introduce waste separation and recycle residual paper as well.

CAMPUS ACCESSIBILITY

ISU offers adaptive environment for people with special needs.



Iliauni Science Picnic

ILIAUNI SCIENCE PICNIC

Iliauni Science Picnic is one of the largest and most successful annual outdoor events organized by Ilia State University since 2012. The event aims to present science to people in a fun way, and by doing so, make it attractive for attendants of different age groups and professional backgrounds.

It has been the first and only large-scale event in Georgia contributing to the promotion of science in all age groups. Various onstage shows, engaging experiments as well as contests related to biology, physics, astronomy, chemistry, architecture, robotics and many other disciplines. Since 2016, Iliauni Science Picnic became the major activity within the national Science and Innovation Festival organized by the Ministry of Education and Science.

ISU is the member of the European Science Events Association (EUSEA) and regularly invites international partners to attend the Science Picnic as participants or visitors. The event hosts participants from not only Georgia, but countries such as Poland, Estonia, Israel, Germany, Ukraine, etc.

In 2017, the number of attendants exceeded **25,000**.

ILIAUNI SCIENCE CAFÉ

Iliauni Science Café offers informative and inspiring gatherings to the audience interested in diverse fields of science regardless of their age, occupation, field of studies or experience. Regular meetings focusing on different scientific topics represent a great opportunity for gaining experience and knowledge both for presenters and café guests. **ISU** professors, researchers, students, as well as invited speakers from all over the world discuss their latest achievements and science development trends with interested audience.

ILIAUNI YOUNG EXPLORERS' CLUBS NETWORK

Iliauni Young Explorers' Clubs Network unites science teachers and school children with different scientific interests from around Georgia to conduct various experiments, contact other clubs, exchange ideas and improve critical and creative thinking abilities.



- 30 Trainings & Masterclasses
- 80 Start-Up Ideas
- 170,000 Gel Start-Up Funding



- Over 100 Start-Ups annually
- 80% low tech, 20 % high tech
- 50 events
- 180,000 GEL Start-Up revenue



- GameLab product presented at Casual Connect event in 2015
- Immersive Visualization Lab
- Crytek's VR First Partner

TCO

- 1st TCO in Georgian HEI
- Est. in 2014, CRDF/GRDF grant
- Legal support services

GEW

- More than 10 local & international partners
- Diverse events - makeathons, creathons, workshops, public lectures, start-up markets etc.



ZOOMOUT Pre-Accelerator

ZOOMOUT is the first Georgian pre-accelerator providing early stage support and extensive guidance to start-up companies.

ILIAUNI FabLab

Iliiuni FabLab allows students to create prototypes for their business ideas and receive guidance when developing a new product.

ILIAUNI GameLab

GameLab Iliiuni the only innovative mobile and computer games lab in Georgian HEIs.

TECHNOLOGY COMMERCIALIZATION OFFICE

TCO provides support services to transform the innovations into commercially viable products.

GLOBAL ENTREPRENEURSHIP WEEK

ISU organizes GEW annually since 2016 focusing on women and young entrepreneurs.



INTERNATIONAL COOPERATION



#Wearelliauni

QUICK FACTS

- More than 500 partners around globe
- President of Black Sea University Network in 2016-2018
- 1st Georgian degree awarding institution within the EMJMD Program CEERES
- 60 partners within Erasmus + ICM
- Over 200 student & staff exchanges every year
- 15 Erasmus + CBHE projects, 2 as grant holder/coordinating university
- 1st grant holder in TEMPUS from Georgia
- Partner in 27 Tempus projects, grant holder of 2 projects
- 2 funded partnerships under FP7
- 2 successful projects under Horizon 2020
- 1 Jean Monnet Network Project & 1 Jean Monnet Chair
- More than 70 ongoing international grants
- Income from international grants during 2006-2018: over 30 million GEL.

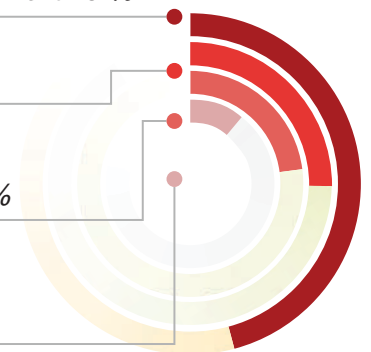
INTERNATIONAL GRANTS

Curriculum/
Academic Development 48 %

Research 25 %

Institutional
Development 22 %

Other 5 %



KEY DONORS



DAAD

giz



INTERNATIONAL COOPERATION



New SDSU Georgia Building at ISU Campus, Tbilisi

ERASMUS MUNDUS JOINT MASTER DEGREE PROGRAMS

The Master in Central and East European, Russian and Eurasian Studies (CEERES), offered by the consortium of eight universities and coordinated by the University of Glasgow (UK) provides unique opportunity to study in three or four international universities, and to emerge with three Masters degrees from three separate institutions. Students who specialize in Caucasian Studies will spend the second year of their studies at ISU and obtain academic degrees from three universities:

- Master of Arts in Social Science (Central and East European, Russian and Eurasia Studies), The University of Tartu, Estonia;
- International Master in Central and East European, Russian and Eurasian Studies, The University of Glasgow, UK;
- Master of Caucasian Studies, Ilia State University, Georgia.

Ilia State University is also associated partner of the **European Politics and Society: Vaclav Havel Joint Master Program**, coordinated by the Charles University in Prague (Czech Republic).

DUAL DEGREE PROGRAMS WITH SAN DIEGO STATE UNIVERSITY *(California, USA)*

ISU in cooperation with San Diego State University (SDSU) Georgia, offers internationally accredited dual degree bachelor programs in STEM disciplines: electrical engineering and computer engineering.

The new building for engineering programs, constructed within this partnership will host 7 most important technical labs.

DOUBLE DEGREE IN BUSINESS WITH THE UNIVERSITY OF APPLIED SCIENCES BURGENLAND *(Austria)*

ISU School of Business, in cooperation with the University of Applied Sciences Burgenland (Austria) offers a double degree opportunity to the students of English Master of Business Administration. This partnership allows ISU students to receive specialized training in marketing and consumer insights, along with the additional diploma in Master of Arts in Business by the Austrian university. Austrian students acquire MBA qualification from ISU. Student mobility is financially supported within the Erasmus + KA107 projects.

STUDENT LIFE

- 500 PUBLIC EVENTS
- 40 STUDENT CLUBS
- 4 SPORTS TEAMS
- 8 CHAMPIONSHIPS
- 2 JOB FAIRS & EMPLOYMENT WEEK
- 16 CAREER DEVELOPMENT EVENTS

* Per Year



Graduation Party 2017



Iliuni Anniversary 2017



Science Picnic 2016



Iliuni Students' Life Fair



Iliuni Job Fair



Sports at Iliuni



Sudents' Expedition

STUDENT LIFE



Book House "Ligamus"

BOOK HOUSE "LIGAMUS"

Along with an extensive selection of books by Georgian and foreign publishers Ligamus provides space for variety of public events, e.g. book presentations, public lectures, etc.



Iliauni Theater

ILIAUNI THEATER

Iliauni Theater is Georgia's the first and only professional university theater operating since 2010. The Iliauni Theater is the best place for training and professional growth of ISU Theater Education Center students. The stage frequently features other professional theater projects as well.



Library

LIBRARY

ISU Library, open 78 hours per week, provides easy-to-use and accessible information resources by offering diverse services to students and staff. Up to 4 million printed items, electronic catalogues and electronic library, access to video lectures and a number of academic and scientific databases are offered in all 11 reading halls across the university campus.



Iliauni Student Clubs

STUDENT CLUBS

Student Clubs are important part of ISU student life. All students have the opportunity to join or establish a club according to their own interests and pathways.