



VILNIUS GEDIMINAS  
TECHNICAL UNIVERSITY

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UNIVERSITY**



## VILNIUS GEDIMINAS TECHNICAL UNIVERSITY

**QS** WORLD UNIVERSITY RANKINGS  
**2018**  
ARCHITECTURE / BUILT ENVIRONMENT  
**TOP 150**

**QS** WORLD UNIVERSITY RANKINGS  
**2018**  
ENGINEERING - CIVIL & STRUCTURAL  
**TOP 150**

**QS** WORLD UNIVERSITY RANKINGS  
**2018**  
BUSINESS & MANAGEMENT STUDIES  
**TOP 250**

**QS** WORLD UNIVERSITY RANKINGS  
**2018**  
ECONOMICS & ECONOMETRICS  
**TOP 250**

**ONE OF THE TOP 2,1% UNIVERSITIES IN THE WORLD**

**39th** in QS Emerging Europe & Central Asia Rankings 2019



**ESTABLISHED IN 1956**

**10 200 STUDENTS**

15% with international experience

**11.5 % INTERNATIONAL STUDENTS**

from over 80 countries

**960 ACADEMIC STAFF MEMBERS**

11:1 student / academic staff ratio

**80 000 ALUMNI**

**AROUND 500 BUSINESS PARTNERS**

**480 PARTNER UNIVERSITIES**

in 67 countries globally

**FACTS AND FIGURES**



## **10 FACULTIES:**

- **ANTANAS GUSTAITIS' AVIATION INSTITUTE**
- **ARCHITECTURE**
- **BUSINESS MANAGEMENT**
- **CIVIL ENGINEERING**
- **CREATIVE INDUSTRIES**
- **ELECTRONICS**
- **ENVIRONMENTAL ENGINEERING**
- **FUNDAMENTAL SCIENCES (ICT & Computer Sciences)**
- **MECHANICS**
- **TRANSPORT ENGINEERING**

**3 RESEARCH CENTRES**

**13 RESEARCH INSTITUTES**

**22 RESEARCH LABORATORIES**



**OVER 100 STUDY PROGRAMMES** (60% engineering sciences)

**> 30 TAUGHT IN ENGLISH:**

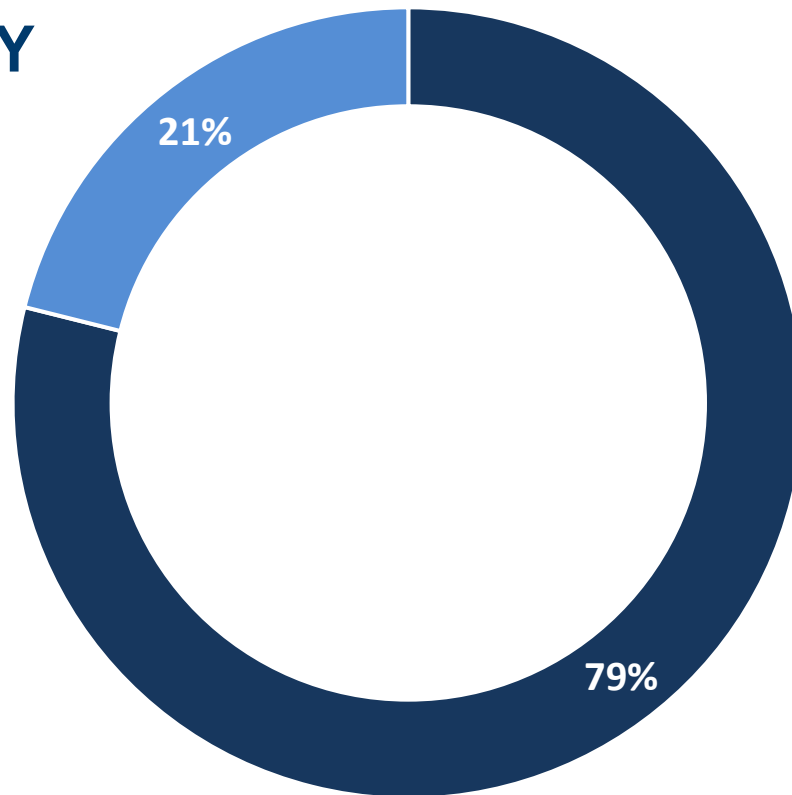
- **Bachelor's (undergraduate) 240 ECTS**
- **Integrated (undergraduate) 300 ECTS – Master's degree awarded**
- **Master's (graduate) 90 ECTS**
- **Master's (graduate) 120 ECTS**

**PhD STUDIES IN 11 FIELDS OF SCIENCE:**

- **Technological Sciences (7), Social Sciences (2),**
- **Physical Sciences (1), Humanities (1)**



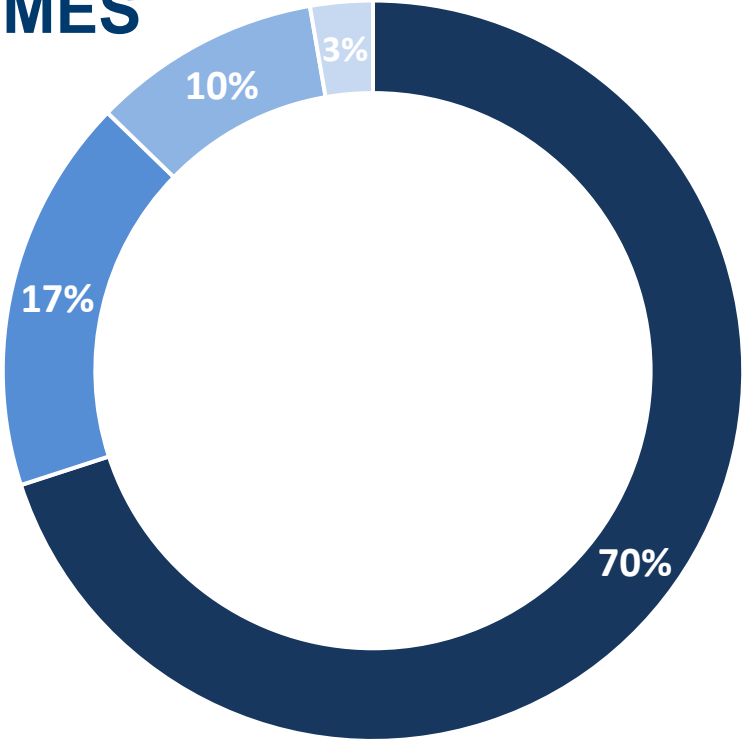
## VG TU STUDENTS BY STUDY LEVEL



■ Undergraduate (Bachelor's) students ■ Graduate (Master's) students



# VG TU STUDY PROGRAMMES BY STUDY FIELDS



■ Technological Sciences ■ Social Sciences ■ Physical Sciences ■ Arts



## **BACHELOR'S (UNDERGRADUATE) DEGREE PROGRAMMES IN ENGLISH (240 ECTS):**

- Automotive Engineering
- Building Energetics (DDP with South-Eastern Finland University of Applied Sciences)
- Business Management
- Civil Engineering
- Computer Engineering
- Creative Industries
- Digital Manufacturing
- Economics Engineering (DDP with Kyungpook National University)
- Information Systems Engineering
- Information Technologies
- Financial Engineering
- Mechanical Engineering
- Mechatronics and Robotics





## **INTEGRATED (UNDERGRADUATE) DEGREE PROGRAMMES IN ENGLISH (300 ECTS) – Master's degree awarded:**

- Aircraft Piloting
- Air Traffic Control
- Architecture

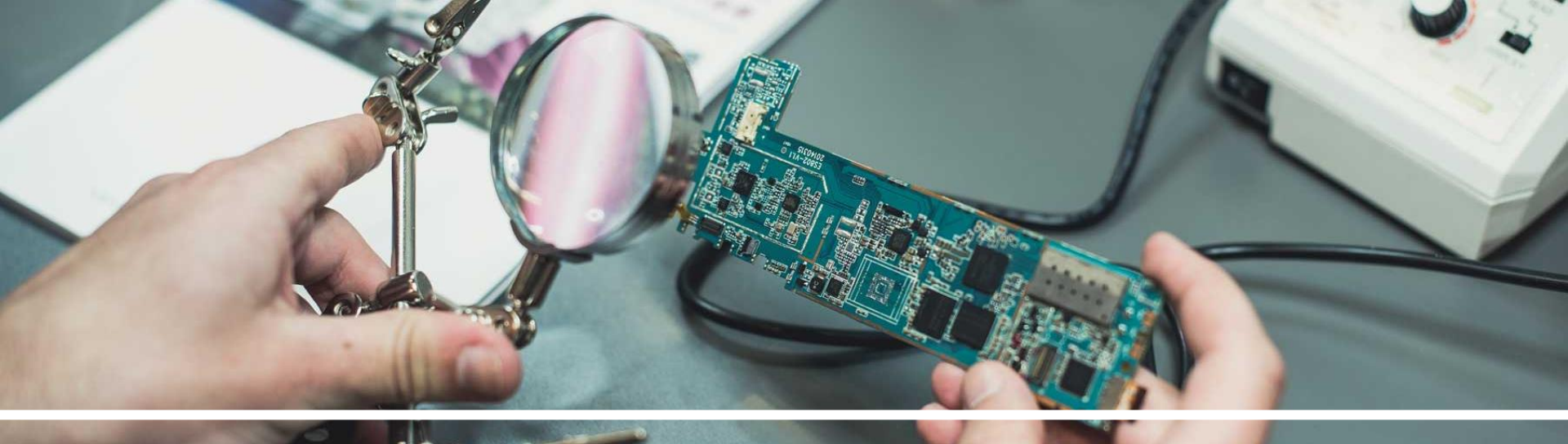
## **PROGRAMME SEMESTERS IN ENGLISH (60 ECTS):**

- Entertainment Industries



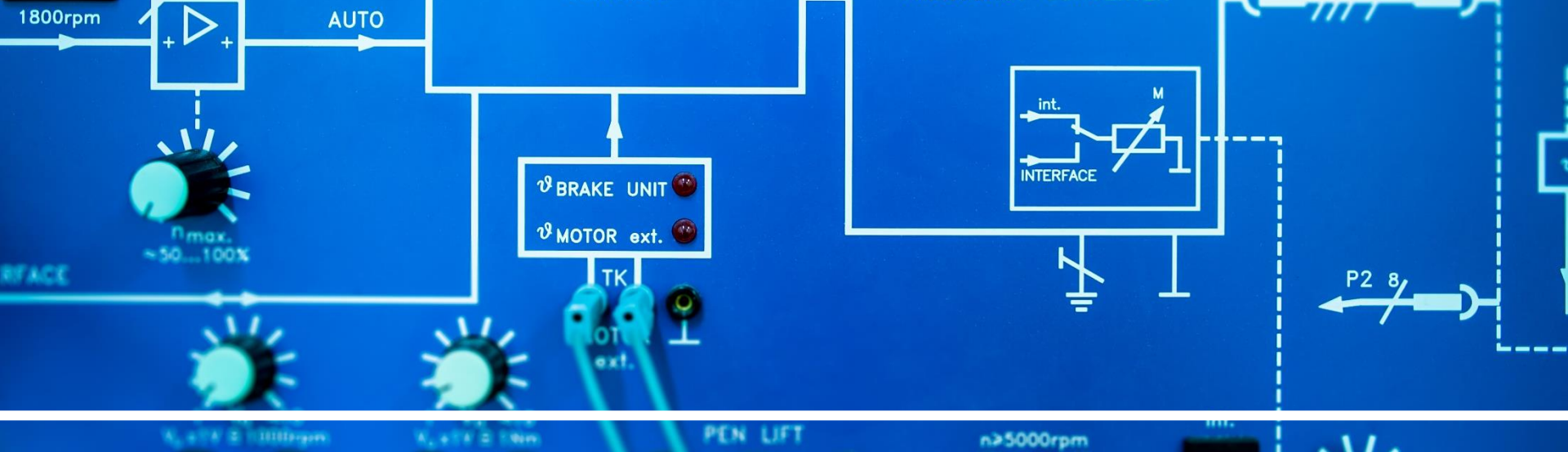
## MASTER'S (GRADUATE) DEGREE PROGRAMMES IN ENGLISH (120 ECTS):

- Automotive Engineering
- Aviation Mechanics Engineering
- Biomedical Engineering
- Computer Engineering
- Electrical Energetics Systems Engineering
- Electronics Engineering
- Environmental Protection Technology and Management (DDP\* with Riga Technical University)
- Industrial Engineering and Innovation Management
- Information and Information Technologies Security
- Mechatronics (JDP\*\* with Braunschweig Technical University)
- Mechanical Engineering
- Mechatronic Systems
- Structural Engineering



## **MASTER'S (GRADUATE) DEGREE PROGRAMMES IN ENGLISH (90 ECTS):**

- Business Management
- Economics Engineering
- Financial Engineering
- Innovative Road and Bridge Engineering (JDP with Riga Technical University)
- Innovative Solutions in Geomatics (JDP with Riga Technical University)
- Transport Engineering



## PhD STUDIES IN 11 FIELDS OF SCIENCE:

### Technological Sciences:

- Electrical and Electronic Engineering
- Civil Engineering
- Transport Engineering
- Environmental Engineering
- Informatics Engineering
- Materials Engineering
- Mechanical Engineering

### ■ Social Sciences:

Management  
Economics

### ■ Physical Sciences:

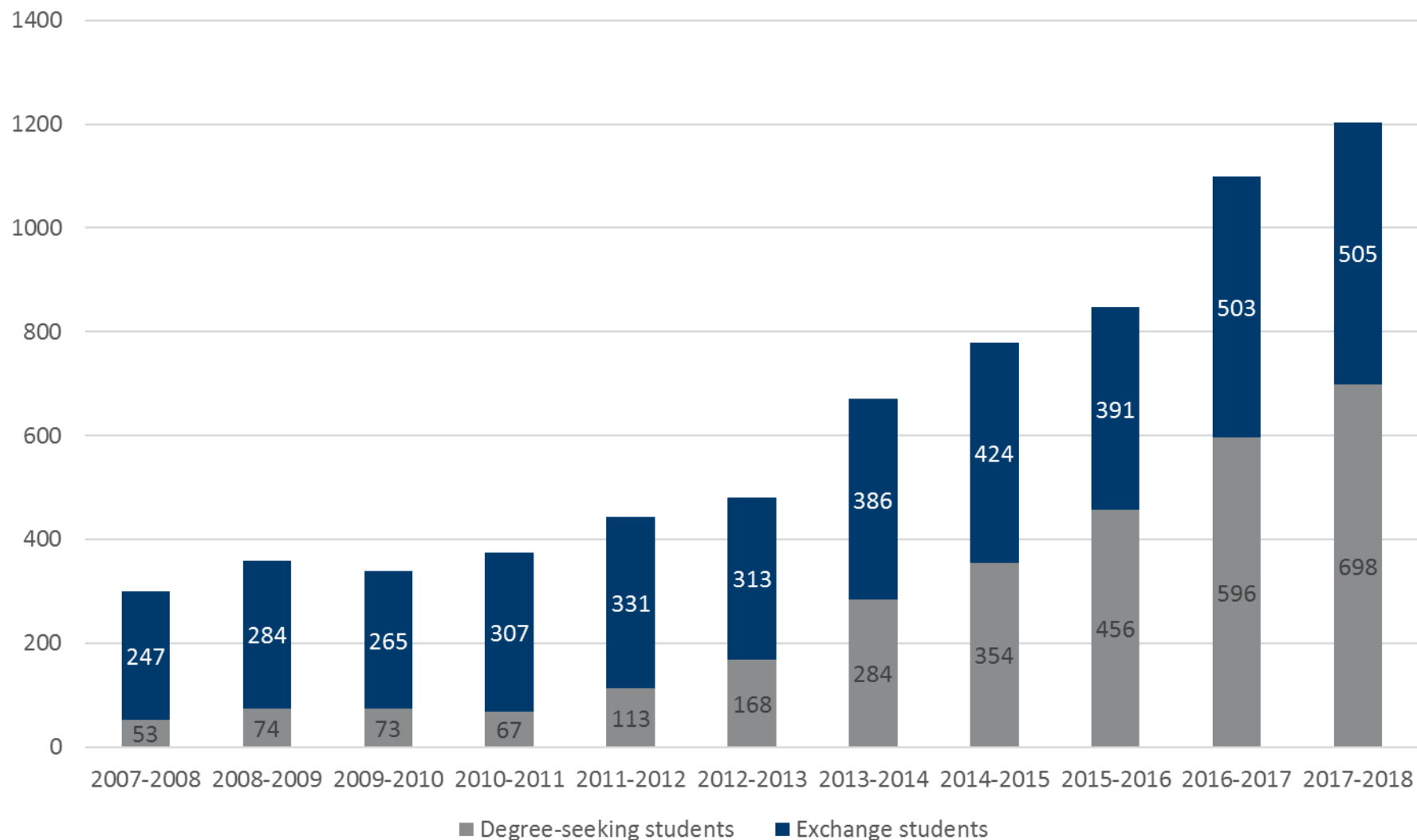
Informatics

### ■ Humanities:

History and Theory of Arts

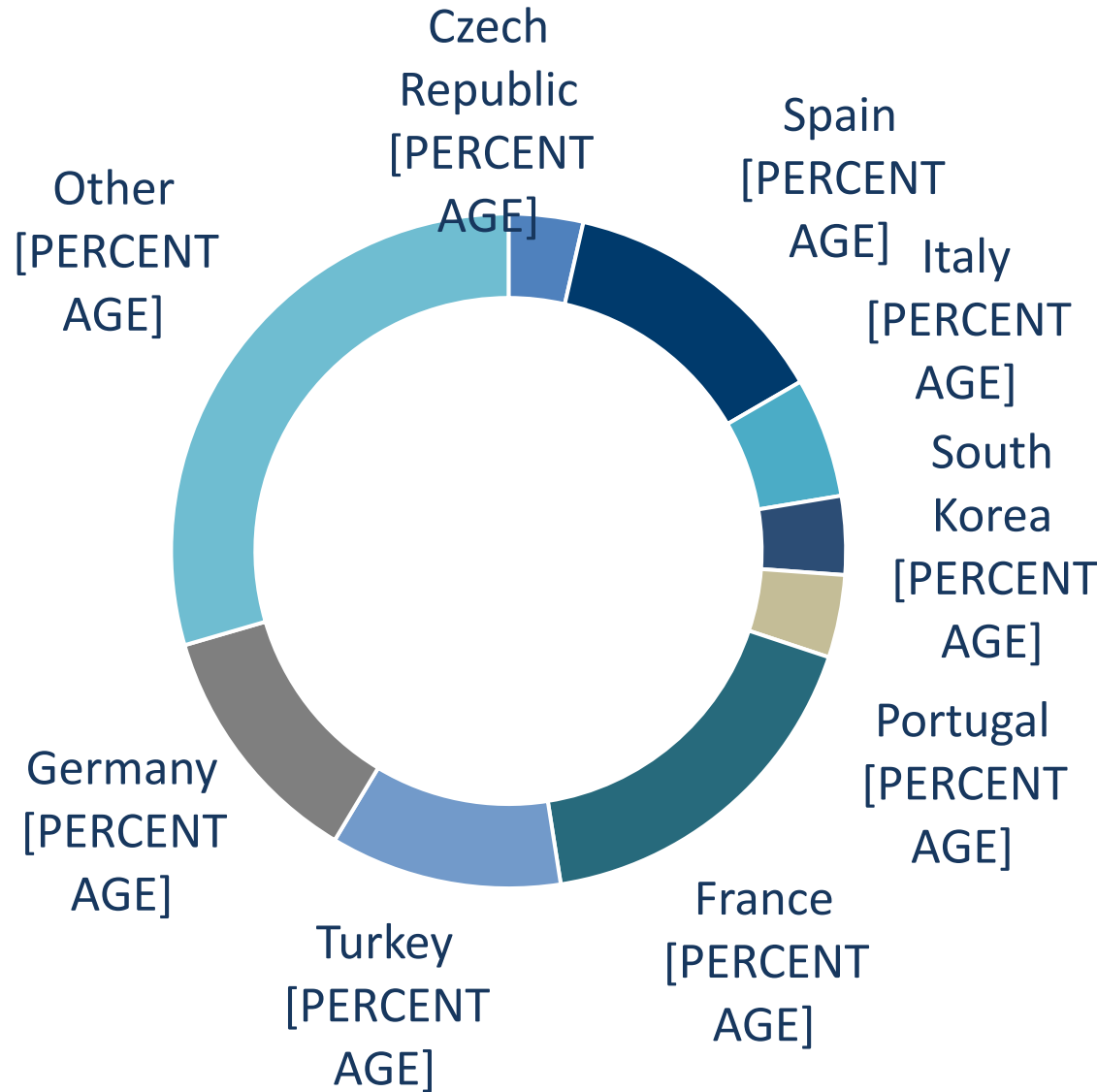
# VG TU INTERNATIONAL STUDENTS

(from 84 countries in 2017-2018)

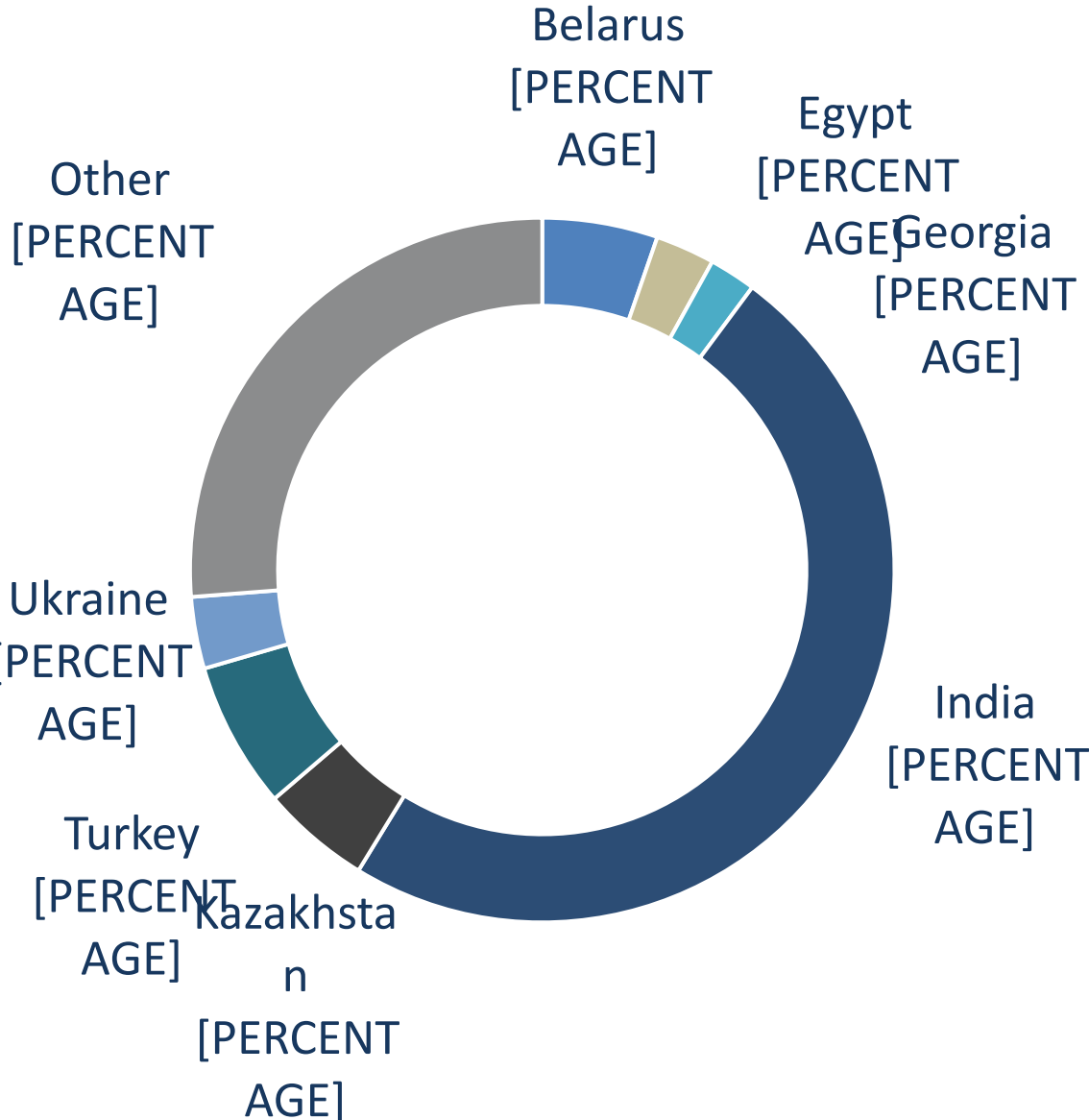




## EXCHANGE STUDENTS 2017-2018



# DEGREE-SEEKING STUDENTS 2017-2018





- **European Higher Education Area**
- **High quality degree studies and internationally recognised diplomas**
- **Study programmes in English language**
- **Exchange and placement programmes in partner institutions**
- **Accommodation guaranteed for all first year international students in universities' dormitory on campus**
- **Scholarship programmes**
- **Students have an opportunity to work part- time**
- **Relatively low living costs**
- **Friendly, liberal and safe study and living environment**

**WHY VGTU?**





- **Braunschweig Technical University (Germany)**
- **University of Palermo (Italy)**
- **Kyungpook National University (Korea)**
- **Riga Technical University (Latvia)**
- **South-Eastern Finland University of Applied Sciences**
- **Belarusian State Technological University**
- **Windesheim University of Applied Sciences (the Netherlands)**
- **Dnipro University of Technology (DniproTech) (Ukraine)**
- **Zhytomyr State Technological University (ZSTU) (Ukraine)**

**PARTNERS IN JDP/DDP**



- **Building Energetics (BSc)**
- **Economics Engineering (BSc)**
- **Environment Protection Technologies and Management (MSc)**
- **Industrial Engineering and Innovation Management (MSc)**
- **Innovative Road and Bridge Engineering (MSc)**
- **Transport Engineering Economics and Management (BSc)**
- **Innovative Solutions in Geomatics (MSc)**
- **Mechatronics (MSc)**

areas of partnership



## 7 RESEARCH PRIORITIES:

- Sustainable building
- Environmental and energy technologies
- Sustainable transport
- Mechatronics
- Information and communication technologies
- Economics engineering, management and communication
- Fundamental research of materials and processes



## RESEARCH CENTRES:

- **Civil Engineering Research Centre** (Integrated research, education and business center at for development of Civil Engineering sector)
- **Competence Centre of Intermodal Transport and Logistics** (Developing projects and solutions for the integration of different transport modes into a single competitive transport and logistics chain)
- **Technology Centre for Building Information and Digital Modelling** (Promoting the growth of BIM, encouraging development and transfer of competences and innovations to the business)



**VG TU CREATIVITY AND INNOVATION CENTRE “LINKMENŲ FABRIKAS”** - collaborative makerspace for students, researchers & business companies.

1100 square meter venue accommodating 45 areas of:

- wood, metal, electronics, 3D printing, and painting workshops
- media labs for production of advertising
- photography, video and audio recording studios
- VR lab



■ **CREATIVITY AND INNOVATION CENTRE „LINKMENŲ FABRIKAS**



■ **CIVIL ENGINEERING RESEARCH CENTRE (VIDEO)**



**VIDEO PRESENTATIONS**



- **Over 30 research projects** per year: Horizon2020, INTERREG Batic Sea Region, ESF, Marie Curie, Research Council of Lithuania, other
- **Near 10 study projects** per year: Erasmus+ Capacity Building/ Strategic Partnership/ Knowledge Alliance, Nordplus, ESF, other
- **Over 30 scientific conferences** and seminars every year:  
(e.g. Environmental Protection, Civil Engineering, Creative Industries, Transportation Science and Technology)

**PROJECT ACTIVITIES and CONFERENCES**



- VGTU publishes **15** research journals, **9** of them are listed on the Clarivate Analytics Web of Science databases
- **27%** of articles are published in journals indexed in Clarivate Analytics Web of Science
- **19%** of VGTU researchers works have h-index 10 or higher

**VGTU PUBLISHING HOUSE ACTIVITIES**





## **Co-operation with businesses from SMEs to MNC:**

- Clients for R&D services at VGTU research centres and labs
- Partners in international (e.g. H2020, Baltic Sea Region) R&D& innovation programmes projects
- Patents, licenses
- Clients for training courses, industrial PhD programmes (BIM, Aviation, Digital post-production, IT etc.)
- Training and qualification development programmes for companies
- Internships, work placements
- Lectures; Topics for the students' final thesis
- Excursions to the companies
- Investors for development of students' technical creativity
- Support (Mentors for the developers of technological ideas and investors for the development of their businesses)



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[WWW.VGTU.LT](http://WWW.VGTU.LT)