



## VILNIUS GEDIMINAS TECHNICAL UNIVERSITY ANTANAS GUSTAITIS' AVIATION INSTITUTE

**Antanas Gustaitis Aviation Institute of Vilnius Gediminas Technical University (VGTU AGAI)** was founded in 1993. It consists of three departments: Aviation Technologies, Aviation Mechanics and Avionics. For practical training there are Flight Training Unit (with aviation technical maintenance service (145 organization) and Flight simulator training laboratory), Air Traffic Control Training Unit and Aviation Engineering Practical Training Depot (147 organization).

Here also is an Aviation Specialists' Qualification Improvement Centre (ASKTC) which is a subdivision of VGTU AGAI. Its main activity is the preparation of aviation specialists to obtain qualification and to renew knowledge.

Course profile organized by ASKTC is revised according to demand. The training course programmes are accredited by Civil Aviation Administration (CAA) of Lithuania, and the courses are taught by CAA approved lecturers and instructors.

VGTU AGAI carries out scientific research in the fields of aeronautics, piloted and autonomous aircraft constructions, as well as development of aviation technologies of both aircraft automatic control and flight safety. Scientists simulate aircraft flows in the air space, carry out analysis of flight control procedures, and investigate flows of rising air by applying artificial neuron networks and examining different scenarios of Lithuanian air space models. Theoretical knowledge of scientists is actualized in practical work at laboratories of the Institute and "Kyviskes" airfield. This is done by employing aircrafts and simulators of flight navigation procedures and flight control, which are the possession of the Institute.

### STUDIES

VGTU AGAI prepares students of first, second and third cycle, as well as integrated study programmes in the field of Aviation.

#### **First-cycle study programmes:**

- Aviation Mechanics Engineering
- Electronics Engineering (specialization: Avionics)
- Automation (specialization: Aviation Electrical Equipment)

#### **Second-cycle study programmes:**

- Aviation Mechanics Engineering
- Electronics Engineering

#### **Integrated study programmes**

- Aircraft Piloting
- Air Traffic Control

#### **Third-cycle study fields:**

- Transport Engineering

## Modular training:

### *Professional pilot theoretical and practical training courses:*

- Initial training for obtaining a Private Pilot Licence (PPL (A))
- Training for obtaining a Commercial Pilot Licence (CPL (A))
- Theoretical training for obtaining an Airline Transport Pilot Licence (ATPL (A))
- Training for obtaining Instrument Rating (IR)
- Training of pilot instructors (FI (A), IRI(A) & CRI (A))
- Training of pilots for Multi - Engine Rating (ME)
- Training of English air communication
- Multi-Crew Co-operation Course (MCC (A))
- Training of Air Controllers

## EQUIPMENT

**Simulators:** Aircraft Simulator FNPT II MCC; Simulator of flight control radar; EXPERT ATC Simulator, which includes 3D projection system for airfield and landscape.



**Aircraft:** Piper Seneca V PA-34-220T; Cessna 172 SP; Cessna 152

