

# TRANSPORT ENGINEER AVIATION PILOT

## POST GRADUAL COURSE

Name of the post gradual training:

**Transport engineer aviation pilot post gradual course**

Name of the qualification in the diploma:

**PROFESSIONAL PILOT**

Training field of the post gradual course:

**Technical training field**

### **Educational and training objectives**

After the theoretical education and CPL/IR+MCC flight training prescribed in 32/2009 KHEM decree (in accordance with PART-FCL1) for ATPL integrated training, students should be able to pass the exams successfully and **execute aircraft operating pilot tasks on a professional level.**

### **Admission requirements**

- BSc (or former college) level mechanical engineer or transport engineer degree
- successful medical and career aptitude tests
- an intermediate (B2) complex type English language certificate or an equivalent secondary level final exam or a degree in English language

**Training period: 3 semesters**

### **Decisive fields of knowledge and their credit values**

<b>Fields of knowledge</b>	<b>Total number of lessons (hours, %)</b>	<b>Credit values</b>
Human knowledges: Aviation English I-III; Air law; Flight meteorology; Human performance and limitations	266 h (20%)	16
Aviation Technical Knowledges: Electronics, electrotechnics; Principles of flight; PPL-theoretical knowledge; Aircraft instrument and electrical equipments I-II; Airframes structures and systems; Aircraft engines; Radio and radar technics; Aircraft robot technics.	448 h (33.6%)	28
Flight Crew Knowledges: Flight navigation I-II; Flight planning and performance I-II; Aircraft operating procedures; English radiotelephony; Multi crew cooperation.	406 h (30.4%)	26
Practice and adaptation: Flight training I.-III.; Final thesis.	214 h (16%)	20

### **Training schedule of the year**

Studying period: according to the schedule of the college issued every year

Examination period: 5 weeks at the end of each semester, according to the college schedule

Study and Exam Regulations contain all the education related requirements and rights for both instructors and students.

### **Checking and evaluation system of the acquired knowledge**

Semesters consist of study and exam periods, and during a semester a student can gain 30 credit points on the average. Students pursue their studies in accordance with the Study and Exam Regulations.

The evaluation system of the acquired knowledge comprises practical grades (that can be achieved by the student's activity during the semester), exam grades, the final thesis grade and the final exam grade.

Each semester is closed by calculating the weighted average of the subject grades and credit values.

### **Final thesis**

Final thesis is a specialized task adequate to the qualification, presented in writing, and it covers a creative engineering task. The thesis is based on the student's acquired knowledge, international references and is drafted under the supervision and with the assistance of consultants. The thesis should prove the student's ability to apply the acquired knowledge, summarize the themes, evaluate the conclusions, provide creative solutions to the related tasks and prove their ability to carry out independent and professional work.

Final thesis themes are issued by the responsible instructor - with the consent of the other instructors of the course. These themes reflect special professional pilot related issues and technical knowledges.

The priorities of the final thesis are the practice-raised, real life problems. Both external and internal consultants are assigned for the final thesis – if possible. The final thesis topic is decided and registered after the completion of 60 credit points. If the final thesis is accepted, the student gets 10 credit points.

### **Final exam**

#### **Requirements for attending the final exam**

- meeting each semester's requirements by getting at least pass marks, thus collecting 90 credit points
- final thesis accepted by jury(ies)

#### **Parts of the final exam**

- defending the final thesis
- verbal examination in the following subjects:
  1. Aviation technical subjects: Principles of flight, aircraft structures, systems and avionics
  2. Pilot knowledge: meteorology, navigation, flight planning and operation

**Evaluation of the final exam**

A complex grade is given by the board of final exam. The final grade is the arithmetic mean of the grades gained for the final thesis defense and the verbal examination with two decimal place accuracy.