

EASA PART-66 Basic training program CAT. B1.1 MAINTENANCE CERTIFYING TECHNICIAN – MECHANICAL

Training duration – 2 years 6 months

This basic course of study provides an in-depth knowledge of the theoretical and practical aspects of disciplines, detailed understanding of the device, construction and operation of aircraft and aircraft engines, different features of the technical operation and repair of aircraft, their engines, operation of aircraft computer support systems and processes for the repair and maintenance of aircraft.

Professional disciplines to be acquired:

- Dynamics and strength of aircraft structures;
- The basics of electrical engineering;
- Materials science and technology of materials;
- Aerodynamics (applied);
- Human factor;
- Technical diagnostics;
- Electronic instrumentation systems;
- Design and strength of the aircraft and engines;
- Aircraft and engine systems;
- The basics of the theory of technical operation of aircraft;
- Aviation legislation
- Technical operation of aircraft and engines;
- Technical means of repairing and maintaining aircraft and ground equipment and their operation;
- Maintaining the airworthiness of aircraft and aircraft engines;
- Management of the processes of technical operation of aircraft and aircraft engines;
- Flight safety.

Theoretical part - 1290 astronomical hours.

In the process of studying the theoretical part, a modular method of learning is used, the theoretical part of the training program consists of 12 modules, which fully reflect the above mentioned studied professional disciplines. Each module studied is accompanied by a mandatory exam.

Practical part - 1126 astronomical hours.

The practical part of the basic training program includes:

- Introduction to the practical part of the training;
- Familiarization with practical action procedures and plans for the work;
- Laboratory works;
- Practical training in the technical classes of the school;
- Practical training in airlines and maintenance and repair stations of the aircraft;
- Practical implementation of certain types of repair work under the supervision of an assessor;
- Tests in practical training.
- Practical exam.