



AIRCRAFT STRUCTURE FITTER-ASSEMBLER

Delivers a qualification to work as a Fitter in the aeronautical sector.

The work of an Aircraft Structure Fitter-Assembler involves assembling structural components made up of different layers of materials, which may be metallic, composite or hybrid. They carry out fitting, drilling, boring and deburring operations, apply protective products and install aeronautical fasteners onto components of varying thicknesses.

They work in production workshops or on assembly lines. They generally pre-assemble parts, check there are no defects and then fit them on the aircraft in a pre-established order. This is an extremely high-precision job!

PREPARATION FOR THE

**French Professional Qualification in
Metallurgy (CQPM) - Level 3**
MQ 2000 0187 R

**Up to 485 hours in the training
centre (1/3 theory, 2/3 practical)**
210 hours of internship in a company



COURSE CONTENT

Technical and vocational training

DRAWING – READING PLANS

- Technical drawing - Reading plans
- Dimensioning - Assembly

METROLOGY

- Inspection and measuring instruments
- Geometry verification

REGULATIONS – SAFETY

- Regulatory framework – Certified personnel
- Maintenance organisations – National and international requirements

MATERIALS

- Ferrous and non-ferrous aerospace materials
- Composite and non-metallic aerospace materials
- Corrosion
- Interposition products
- Various products (paints, solvents, varnishes, etc.)

AEROSPACE TECHNOLOGY

- Aerodynamics – Flight theory
- Aircraft structures and systems
- Parts and accessories
- Aeronautical fasteners

QUALITY

- Best practices

Practical work

MACHINING – MANUFACTURING – ASSEMBLY – FITTING

- Machining – Drilling – Adjusting – Deburring
- Forming – Bending
- Sheet-metal work
- Pinning – Unpinning
- Riveting
- Screwing
- Locking screws on screwed-together assemblies
- Assembly – Disassembly on airframes
- Glueing/bonding
- Electrical continuity
- Mechanical and hydraulic systems
- Repair techniques and procedures
- Technical files for assembly, manufacturing and maintenance
- Adjustments – Inspections – Verification

MANUFACTURING SUB-ASSEMBLIES

PRACTICAL EXAM FOR THE FRENCH PROFESSIONAL QUALIFICATION IN METALLURGY (CQPM)

- Tests – Revision – Exercises – Mock oral exams

Practical internship

4 to 8 weeks' internship in a company as an aircraft structure fitter-assembler.



TRAINING LOCATION

DERICHEBOURG aeronautics training
3 rue Jules Védrières
31400 TOULOUSE, FRANCE

Public transport:

Bus, Line 9 | Stop: Lafaurie

Bus, Line 37 | Stop: Védrières

Bus, Line 23 | Stop: Armentières

Bus, Line 8 | Stop: Armentières

Bus, Line 12 | Stop: Armentières



CONTACTS

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Quotes available on request

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