



DERICHEBOURG
AERONAUTICS TRAINING

MECHANICAL SYSTEMS ASSEMBLER-FITTER

Delivers a qualification to work as a Mechanical Systems Assembler-Fitter in the aerospace sector.

Mechanical Systems Assembler-Fitters work on a variety of mechanical assemblies or sub-assemblies. Their missions require certain essential skills, notably in:

- Positioning and assembling mechanised parts
- Connections
- Adjusting and checking the operation of systems
- First-level maintenance
- This profession requires comprehensive knowledge of all the systems and how they operate.

Mechanical Systems Assembler-Fitters work in assembly workshops for companies in various sectors (industrial, aerospace, automotive, etc.). They intervene on various types of mechanical assemblies or sub-assemblies (machines, engines, reduction gears, drives, conveyors).

Their work is based on precise work instructions (overall drawings of the mechanism, assembly procedures) which they use to prepare, assemble, fit, check and adjust the components of the mechanism.

PREPARATION FOR THE

French Vocational Diploma (TPFP)

Up to 525 hours in the training centre
(Theoretical and practical applications)
210 hours of internship in a company

COURSE CONTENT

Technical and vocational training

DRAWING – READING PLANS

- Technical drawing and reading plans
- Sizing - Assembly

STRUCTURAL ADJUSTMENT AND ASSEMBLY: BASICS

- Basic adjustments
- Fastening principles and attaching fasteners
- Bonding techniques

REGULATIONS – SAFETY

- Regulatory framework – Certified personnel
- Maintenance organisations

AEROSPACE TECHNOLOGY

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

QUALITY

- Best practices

MATHEMATICAL CONCEPTS

- Simple operations – calculations
- Proportionality – percentages
- Geometry
- Surface areas – volumes
- Trigonometry

COMMUNICATION – JOB-SEARCH TECHNIQUES

- Study of human factors
- Drawing up a Curriculum Vitae
- Writing a job-application letter
- Preparing for the job interview

ENGLISH

- Technical English – plane documentation

Practical work

AEROSPACE TECHNOLOGY

- Verification/Metrology
- Hydraulics
- Fuel-related technology
- Air-conditioning technology
- Pneumatics
- Assembly of aerospace systems

INDUSTRIAL TECHNOLOGY

- Industrial mechanical assembly
- Hydraulics
- Pneumatics
- Electrical technology
- Industrial automation
- Industrial assembly

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

Practical internship

Up to 8 weeks internship in an industrial, aerospace, automotive or equivalent type of company.

TRAINING LOCATION

DERICHEBOURG aeronautics training
3 rue Jules
Védrines, 31400
TOULOUSE

Public transport:

Bus, Line 9 | Stop: Lafaurie

Bus, Line 37 | Stop: Védrines

Bus, Line 23 | Stop: Armentières

Bus, Line 8 | Stop: Armentières

Bus, Line 12 | Stop: Armentières



CONTACTS

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Limited Company with a
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