



WSQ Maintain Composite Structures

What is Aerospace WSQ

The Aerospace Workforce Skills Qualifications (WSQ) is a national skills training system developed by the Aerospace industry and the Singapore Workforce Development Agency (WDA).

It maps out the skills needed for a job in the Aerospace Maintenance, Repair & Overhaul (MRO) industry and the training you need to enter it. The system also shows how you can continue with skills upgrading to progress in your career in Aerospace.

Course Synopsis

On completion of this Competency Unit (CU), learner will have the knowledge and application skills in maintaining composites structures.

Summary of the Competency Elements covered:

- ➔ Identify composite defects
- ➔ Repair composite defects
- ➔ Perform wet and dry lay up of composite materials

This is the Specialisation Elective Competency Unit (CU) that is required to attain the **WSQ Higher Certificate in Aerospace** (Aircraft Maintenance - Mechanical), (Component Repair and Overhaul - Mechanical) or (Engine/ Engine Component Repair and Overhaul), a national qualification awarded by WDA.

Who Should Attend

This is for personnel who wish to bridge their skills gaps or to pursue employment opportunities in the Aerospace Maintenance, Repair & Overhaul (MRO) industry.

Course Duration

10 training days

Course Content

1	Composite materials
2	Referencing SRM
3	Damages in Composites
4	Inspection in Composite
5	Assessment of damages
6	Typical repairs & sequence
7	Surface preparation
8	Material preparation and pressure application
9	Wet layup
10	Scraf repair
11	Vacuum bagging
12	Step repair
13	Drilling composites
14	Fasteners
15	Pre pregs
16	Curing
17	Hot bond
18	Surface restoration
19	Competency tests

Certification

Participants who successfully complete this unit will receive a WSQ Statement of Attainment (SOA) in WSQ Maintain Composite Structures issued by WDA.

Funding

90% of the Course Fees (*Eligibility criteria apply, please visit www.wda.gov.sg or contact us*)

