

AEROSPACE WORKFORCE SKILLS QUALIFICATIONS (AEROSPACE WSQ)

(A) About the Aerospace Workforce Skills Qualifications (Aerospace WSQ)

The Aerospace Workforce Skills Qualifications (WSQ) is a national skills training system jointly developed by the players in the aerospace industry and the Singapore Workforce Development Agency (WDA). Jobseekers aspiring to enter the Aerospace industry may attend training conducted by public Approved Training Organisations (ATO) in order to acquire the skills necessary for a job in the Aerospace MRO industry. At the same time, Aerospace companies may also leverage on the Aerospace WSQ framework to conduct in-house training for its existing workers. The result is consistency in training outcomes as the Aerospace WSQ framework provides industry-validated skills standards for job-specific tasks. This would facilitate training needs analysis, re-training and re-deployment of workers in the Aerospace industry.

(B) Programme and Application details

Programme structure

The Aerospace WSQ framework comprises 50 modules across the 6 Aerospace Maintenance, Repair and Overhaul (MRO) sub-sectors: Aircraft Maintenance (Mechanical); Aircraft Maintenance (Avionics); Component Repair and Overhaul (Mechanical); Component Repair and Overhaul (Avionics); Engine/Engine Component Repair; Overhaul or Modifications and Conversions.

The six corresponding Aerospace MRO Qualifications are:

1. Higher Certificate in Aerospace Maintenance (Aircraft Maintenance - Mechanical)
2. Higher Certificate in Aerospace Maintenance (Aircraft Maintenance - Avionics)
3. Higher Certificate in Aerospace Maintenance (Component Repair and Overhaul - Mechanical)
4. Higher Certificate in Aerospace Maintenance (Component Repair and Overhaul - Avionics)
5. Higher Certificate in Aerospace Maintenance (Engine/Engine Component Repair & Overhaul)
6. Higher Certificate in Aerospace Maintenance (Modifications and Conversions)

To attain the WSQ Higher Certificate in Aerospace Maintenance for Technicians, a trainee must complete the full set of skills assessment and/or training in the sub-sector he is specializing in, and for modules across the three categories of “Industry Core”, “Sector Core” and “Specialisation Electives”. The number of modules leading to the technician qualification in WSQ Higher Certificate will be 4 and 5 for non-Avionics and Avionics specialisations respectively.

Apart from the Industry Core module that is common to all 6 Aerospace MRO sub-sectors, the Sector Core and Specialisation Elective modules may differ according to the specific sub-sector.

| Industry Core Module (Mandatory) | Sector Core Modules (Mandatory) | Specialisation Electives (Modules)¹ | Qualification |
|---|--|---|--|
| Perform Basic Aircraft Safety Practices and Documentation | Perform Aircraft General Maintenance Activities | Choose 2 out of 6 modules | Higher Certificate in Aerospace Maintenance (Aircraft Maintenance - Mechanical) |
| | <ol style="list-style-type: none"> 1. Perform Aircraft General Maintenance Activities 2. Perform Electrical Terminations and Connections 3. Perform Electrical Measurements | Choose 1 out of 7 modules | Higher Certificate in Aerospace Maintenance (Aircraft Maintenance - Avionics) |
| | Perform General Workshop Practice | Choose 2 out of 11 modules | Higher Certificate in Aerospace Maintenance (Component Repair and Overhaul - Mechanical) |

¹ Please refer to pamphlet enclosed for full listing of modules available.

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| | <ol style="list-style-type: none"> 1. Perform Aircraft General Maintenance Activities 2. Perform Electrical Terminations and Connections 3. Perform Electrical Measurements | Choose 1 out of 6 modules | Higher Certificate in Aerospace Maintenance (Component Repair and Overhaul - Avionics) |
| | Perform General Workshop Practice | Choose 2 out of 10 modules | Higher Certificate in Aerospace Maintenance (Engine/Engine Component Repair & Overhaul) |
| | Perform Aircraft General Maintenance Activities | Choose 2 out of 2 modules | Higher Certificate in Aerospace Maintenance (Modifications and Conversions) |

The WSQ Higher Certificate in Aerospace Maintenance can be obtained via the Training and Assessment Pathway or via Assessment-Only-Pathway. For Assessment-Only-Pathway, trainees undertake assessment without going through training. This helps to save time and resources if trainees already have the necessary prior experience and skills and just need to certify their skills.

The Aerospace WSQ consists of 50 individual modules, which trainees can take independently, at their own convenience. Upon completion of each module, the trainee will receive a Statement of Attainment (SOA). Upon accumulation of sufficient SOAs in the required combination, he/she would receive the Higher Certificate in Aerospace Maintenance.

Trainee eligibility criteria

Applicants should preferably possess NITEC, hold a qualification of a technical-related discipline, or have experience working in the Aerospace and related industries. They should also demonstrate an ability to read, speak and write English and handle basic Mathematics.

Course Fees

Eligible for SPUR funding at appointed Approved Training Organisations (ATOs). Course fees for a Higher Certificate In Aerospace Maintenance offered by ATTC starts from \$1,177 (inclusive of GST), after 90% SPUR funding

Contact details

External ATOs

For companies and candidates interested in enrolling their staff for the WSQ Higher Certificate in Aerospace Maintenance at an external training provider, they may contact the following Approved Training Organisations (ATOs) at:

Air Transport Training College

Tel: **6346 0311 ext 121 / Mr David Lim BP**

Website: <http://www.attc.edu.sg>

SETSCO Services Pte Ltd

(for Non-Destructive Testing units only)

Tel: **6895 0633 / Dr Arvind K. Suryavanshi**

Website: <http://www.setsco.com>

In-House ATOs

For companies interested in implementing the Aerospace WSQ for in-house training, please contact Singapore Workforce Development Agency (WDA) for more information.

Tel: **6883 5885**

Email: wda_enquiry@wda.gov.sg

Website: <http://www.wda.gov.sg>