List of Competencies for On-the-Job Training (OJT)
Work-Study Diploma in Aircraft Cabin Engineering

S/N	List of Competencies (Standard)	Company to indicate '✓' for OJT competencies it can provide
1	Inspect safety equipment	☐
2	Remove safety equipment	☐
3	Install safety equipment	☐
4	Inspect cabin structural component	☐
5	Repair structural component	☐
6	Perform surface finishing	☐
7	Perform non-destructive testing on cabin structural part	☐
8	Restore cabin structural part	☐
9	Maintain aircraft seat	☐
10	Repair aircraft seat components	☐
11	Maintain cabin monument, water and waste system	☐
12	Repair cabin monument, water and waste system	☐
13	Inspect cabin electrical system	☐
14	Maintain cabin electrical system	☐
15	Maintain decorative surfaces and upholstery	☐
16	Perform aesthetics touch-up painting	☐
17	Produce 3D CAD model of components	☐
18	Produce 2D engineering drawing of components	☐
19	Prepare cabin component model for 3D printing	☐
20	Perform 3D printing of cabin components	☐
	Sub-total of Competencies (Standard)	0
List of Competencies (Company-specific)		
1		
2		
3		
4		
5		
	Sub-total of Competencies (Company-specific)	0

Note:

a) Company must be able to provide OJT for at least **75%** of the List of Competencies (Standard).

b) If company is unable to meet the 75%, please propose alternate **course-related** competencies which are unique to company operations. Alternate competencies are capped at 25%.
[i.e. 50% of the list of competencies (standard) + 25% alternate competencies (Company-specific)].

c) All alternate competencies (Company-specific) must be reviewed and endorsed by ITE.

d) Trainees must receive OJT and be assessed for **All** competencies selected in this List.

Total no. of competencies selected by company for OJT	0
Total no. of competencies listed *(standard & company specific)*	20
Percentage of selected competencies	0%

Completed By:

_____ _____

Name **Company**

MODULE SYPNOSIS – WSDip in Aircraft Cabin Engineering

Course Objective

This course equips trainees with the engineering skills, knowledge and professional attributes to perform inspection, maintenance and refurbishment of aircraft interior for aesthetics and passenger comfort.

Modules Synopsis

Aircraft Safety & Legislation
On completion of this module, trainees should have been equipped with basic understanding of aviation legislation and should also be able to inspect, identify and rectify defective safety equipment, as well as conduct functional tests to ensure the serviceability of safety equipment.
Cabin Structure Maintenance
On completion of this module, trainees should be able to perform proper handling tools, understand the importance of aviation maintenance practices and identify defects on ferrous, non-ferrous and composite materials. He/she should be able to apply the appropriate methods to rectify defects as well as perform functional checks.
Cabin Structure Material Testing
On completion of this module, trainees should be equipped with knowledge about various types of cabin structural materials and be able to identify defects and perform various destructive and non-destructive testing on different kinds of materials and surfaces when necessary.
Cabin Seat Maintenance
On completion of the module, trainees should be able to identify and repair defects in the structural, mechanical and electrical components of aircraft seats. He/she should also be able to perform refurbishment of seats to meet design specifications and industry standards.
Cabin Monument, Water & Waste System
On completion of the module, trainees should be able to inspect, repair and overhaul various types of monuments and the lavatories throughout the aircraft and conduct functional tests on galley equipment and monuments, cabin water and waste systems to ensure their operating performance meet design specifications.
Cabin Electrical System
On completion of the module, trainees should be able to inspect, identify and perform rectification on issues that occur in galley inserts. He/she should be equipped with the understanding of electric circuitry in order to perform these rectifications and proper handling of electrical components.
Cabin Aesthetics & Upholstery
On completion of the module, trainees should be able to identify and repair upholstery damage, perform cleaning and refurbishment of upholstery to meet cabin design requirements and apply appropriate methods to enhance and refurbish cabin aesthetics.
Component Modelling
On completion of the module, trainees should be able to design and model components using appropriate CAD tools. He/she should also be able to apply reverse engineering techniques to reproduce 3D component models and translating them into 2D engineering drawing.

MODULE SYPNOSIS – WSDip in Aircraft Cabin Engineering

Additive Manufacturing
On completion of the module, trainees should be able to use the proper slicing tools to convert a non-load bearing 3D model into a 3D printable format. He/she should also then be able to optimise the print by adjusting the various parameters based on the print material and printer to produce a physical 3D object.
Company Project
On completion of the module, trainees should have applied their acquired competencies in an authentic project that would value-add to the company.

TRAINING PATTERN SCHEDULE

WSDip in Aircraft Cabin Engineering

Block Release - Trainees attend daily lessons at ITE for a continuous period and then resume the next block of OJT at the workplace.

April'26 Intake	April – June 2026	ITE Vacation (June) 4 weeks	July – September 2026	ITE Vacation (Sept) 2 weeks	October – December 2026	ITE Vacation (Dec) 4 weeks	January – March 2027	ITE Vacation (March) 2 weeks
1st Year Off-JT @ ITE	8 weeks block		Company OJT		Company OJT		Company OJT	
April'26 Intake	**April – June 2027**		**July – September 2027**		**October – December 2027**		**January – March 2028**	
2nd Year Off-JT @ ITE	8 weeks block		Company OJT		Company OJT Project		Company OJT Project	
April'26 Intake	**April – June 2028**		**July – September 2028**					
3rd Year Off-JT @ ITE	Company OJT Project		Company OJT Project					

WSDip Programme 2026
Start: 1 April 2026
End: 30 September 2028
Duration: 2.5 years
⚠ **Final results release may be later than programme end date**