

Category C and General Familiarisation Courses

General:

Aertrain provides Category C and General Familiarisation courses on Airbus A320 Family, Airbus A330 Family and Boeing B737 NG Family aircraft.

The Syllabus for the Category C course and the General Familiarisation course for a particular aircraft family is the same, and the course duration is also the same at 30 hours. However, a Category C course must be run over five days with a maximum of 6 classroom hours per day, excluding breaks and exam time, whereas a General Familiarisation course can be run over a lesser number of days with the duration of each day being greater than 6 hours.

Both the Category C course and the General Familiarisation course are theoretical only, i.e. they do not require practical training, and cover all the aircraft and engine systems for the respective aircraft family to Level 1 detail. An examination is mandatory at the end of each Category C course; however it is optional on a General Familiarisation course.

Certification Authority:

Successful completion of a Category C course does provide an acceptable qualification for approved Category C Certifying Staff to issue a Certificate of Release to Service at the end of a base maintenance check in a Part 145 Approved Maintenance Organisation (AMO), or for approved Airworthiness Review Staff to issue an Airworthiness Review Certificate following an Airworthiness Review in a Continuing Airworthiness Management Organisation (CAMO), in relation to the particular aircraft type.

A General Familiarisation course may be sufficient as a qualification on a particular aircraft type for Airworthiness Review Staff in a CAMO subject to acceptance by the Competent Authority.

Example Syllabus (A320 Family):

The following pages show an example syllabus for a Category C or General Familiarisation course; the example taken is that of the A320 Family. The syllabi for the other aircraft are similar.

Note: The exam questions and the time allotted for the exam is a necessary part of the Category C course and is optional on the General Familiarisation course.

Chapters		C		
		Hours	Level	Exam Q
5	Time Limits / Maintenance Checks	0.25	1	4
6	Dimensions / Areas (MTOM, etc.), including zonal and station identification systems	0.5	1	
7	Lifting and Shoring	0.5	1	
8	Levelling and Weighing	0.5	1	
9	Towing and Taxiing	0.25	1	
10	Parking / Mooring. Storage and Return to Service	0.5	1	
11	Placards and Markings	0.15	1	
12	Servicing	0.25	1	
20	Standard Practices	0.5	1	
21	Air Conditioning	0.5	1	
21A	Air Supply	0.25	1	
21B	Pressurisation	0.25	1	
21C	Safety & Warning Devices	0.25	1	
22	Autoflight	0.6	1	1
23	Communications	1.15	1	2
24	Electrical Power	1.6	1	2
25	Equipment and Furnishings	0.6	1	1
25A	Electronic Equipment including Emergency Equipment	0.3	1	
26	Fire Protection	0.5	1	1
27	Flight Controls	1.15	1	2
27A	Sys Operation: Electrical / Fly-by-Wire	0.5	1	
28	Fuel Systems	0.7	1	2
28A	Fuel Systems - Monitoring & Indicating	0.5	1	
29	Hydraulic Power	0.6	1	1
29A	Hydraulic Power - Monitoring & Indicating	0.25	1	
30	Ice and Rain Protection	0.5	1	1
31	Indicating / Recording Systems	1.7	1	2
31A	Instrument Systems	0.5	1	
32	Landing Gear	1.45	1	2
32A	Landing Gear - Monitoring & Indicating	0.25	1	
33	Lights	0.6	1	1
34	Navigation	1.1	1	2
35	Oxygen	0.5	1	1
36	Pneumatic	0.5	1	1
36A	Pneumatic - Monitoring & Indicating	0.45	1	
38	Water / Waste	0.5	1	1

A320 Family Category C Course Syllabus - Table 1 of 2

Chapters		C		
		Hours	Level	Exam Q
44	Cabin Systems (Covered in Chapter 23)			
45	On-Board Maintenance System (Covered in Chapter 31)			
46	Information Systems	0.5	1	1
47	Inert Gas System	0.6	1	1
49	Auxiliary Power Units (APUs)	0.75	1	1
50	Cargo and Accessory Compartments	0.15	1	
51	Standard Practices & Structures (Damage classification, assessment and repair)	0.15	1	
52	Doors	0.7	1	
53	Fuselage	0.15	1	2
54	Nacelles / Pylons	0.15	1	
55	Stabilisers	0.15	1	
56	Windows	0.15	1	
57	Wings	0.15	1	
27A	Fit Control Surfaces (All) (Covered in Chapters 55 & 57)		1	
70	Standard Practice - Engines	0.25	1	
70A	Constructional arrangement & Operation	0.25	1	1
70B	Engine Performance	0.25	1	
71	Powerplant	0.25	1	1
72	Engine Turbine	0.5	1	1
73	Engine Fuel and Control	0.5	1	1
73A	FADEC	0.5	1	1
74	Ignition	0.25	1	1
75	Air	0.5	1	1
76	Engine Controls	0.5	1	1
77	Engine Indicating Systems	0.5	1	1
78	Exhaust	0.25	1	1
79	Oil	0.25	1	1
80	Starting	0.5	1	1
Rev & Exams		1.5		
				46
Total (Hrs)		30		
GTotal (Hrs)		31.5		
GTotal (Days)		5		

A320 Family Category C Course Syllabus - Table 2 of 2

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Certificates Issued:

A Certificate of Recognition (EASA Form 149) is issued by Aertrain to each student upon successful completion of a Category C course.

An Aertrain Completion Certificate is issued to each student upon completion of a General Familiarisation course.

Applicability:

While being a necessary qualification for certain categories of Certifying Staff a Category C or General Familiarisation course has broader application.

Operators, new to a particular aircraft type, will find the course content very useful for senior management in the Planning, Provisioning, Flight Operations or Technical Departments of the airline.

Contacts:

For further information on these or on any other of the many courses available from Aertrain please contact any one of our leadership team:

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