

FROZEN ATPL Training Program

Pre-requirement :

1. FROZEN ATPL Training Integrated Course :
must hold an ICAO/FAA/CAAT/CAAV PPL License.
2. FROZEN ATPL Training Modular Course :
 - (1) Hold a CAAT/CAAV Commercial Pilot's License with a Multi-Engine Instrument Rating (MEIR).
 - (2) Completed CPL training in APEX Academy.

FROZEN ATPL Training Integrated Course :

1. Integrated Course matching : (CATS Aviation Online Course)

NO.	FROZEN ATPL Training Course Stage 1 (OPERATIONAL)	Time (hrs.)
1	Human Performance & Limitations	50.25 hrs.
2	Air Law & ATC Procedures	38.5 hrs.
3	Operational Procedures	38.75 hrs.
4	VFR Communications	78 hrs.
5	IFR Communications	6.75 hrs.
6	Meteorology	6.75 hrs.
TOTAL		219 hrs.

NO.	FROZEN ATPL Training Course Stage 2 (NAVIGATIONAL)	Time (hrs.)
1	Principles of Flight	60 hrs.
2	Performance	36.25 hrs.
3	Flight Planning	60 hrs.
4	General Navigation	42 hrs.
5	Mass & Balance	20.75 hrs.
TOTAL		219 hrs.

NO.	FROZEN ATPL Training Course Stage3 (TECHNICAL)	Time (hrs.)
1-1	Aircraft General Knowledge- Air Frames	13.5 hrs.
1-2	Aircraft General Knowledge- A- Systems	13.25 hrs.
1-3	Aircraft General Knowledge- Electrics	16.5 hrs.
1-4	Aircraft General Knowledge- Power plant - Piston	16.75 hrs.
1-5	Aircraft General Knowledge-Power plant - Turbine	12.75 hrs.
1-6	Aircraft General Knowledge- Emergency Equipment	11.5 hrs.
2	Instrumentation	74.75 hrs.
3	Radio Navigation	60 hrs.
TOTAL		219 hrs.

2. Integrated Course (CAAT Approved ATPL Course) :

NO.	Subject	Time (hrs.)
1	AGK-Subsonic Aerodynamics	6 hrs.
2	AGK-Transonic Aerodynamics	6 hrs.
3	Flight Rules and Air Law	9 hrs.
4	Navigation	18 hrs.
5	Test & Review 1	2 hrs.
6	Radio Telephony and Air Traffic Control	12 hrs.
7	Flight Performance and Planning Principles of Flight	12 hrs.
8	Meteorology	12 hrs.
9	Human Being Pilot	12hrs.
10	Test & Review 2	2 hrs.
11	Aircraft General Knowledge-Power plant - Turbine	6 hrs.
12	Aircraft General Knowledge- Fuel Systems	3 hrs.
13	Aircraft General Knowledge- Air and Pneumatic Systems	6 hrs.
14	Aircraft General Knowledge- Electrics	3 hrs.
15	Aircraft General Knowledge- Hydraulic Systems	3 hrs.
16	Aircraft General Knowledge- Flight Control Systems	6 hrs.
17	Aircraft General Knowledge- Automatic Flight Control Systems	9 hrs.
18	Aircraft Systems-other Systems	9 hrs.
19	Aircraft Systems-MEL/CDL	6 hrs.
20	Procedures and Checklist	12 hrs.
21	Test & Review 3	2 hrs.
TOTAL		156 hrs.

FROZEN ATPL Training Modular Course :

1. Modular Course Self-study matching (CATS Aviation Online Course) :

Items	Subjects	Video media	Study guides	Brush-up papers
1	HPL - Human Performance	V	V	V
2	AL - Air Law and ATC Procedures		V	V
3	OPS - Operational Procedures		V	V
4	MET - Meteorology	V	V	V
5	VCOM - VFR Communications	V	V	V
6	ICOM - IFR Communications		V	V
7	POF - Principles of Flight	V	V	V
8	PERF - Performance	V	V	V
9	GNAV - General Navigation	V	V	V
10	FP - Flight Planning		V	V
11	MB - Mass and Balance		V	V
12	AGK - AF - Aircraft General Knowledge - Air Frames	V	V	V
13	AGK - SYS - Aircraft General Knowledge - Systems	V	V	V
14	AGK - ELEC - Aircraft General Knowledge - Electrics	V	V	V
15	AGK - PP - PIST - Aircraft General Knowledge - Power plant - Piston		V	V
16	AGK - PP - TURB - Aircraft General Knowledge - Power plant - Turbine		V	V
17	AGK - EE - Aircraft General Knowledge - Emergency Equipment	V	V	V
18	INST - Instruments		V	V
19	RNAV - Radio Navigation	V	V	V

2. Modular Course matching : (Refer 4.1.2)

(1) Lecture Notes : (CATS Aviation Online Course)

Item	Lecture Notes	Time (hrs.)
1	HPL - Human Performance & Limitations (Slides: 189)	4 hrs.
2	AL - Air Law and ATC Procedures (Slides: 164)	4 hrs.
3	OPS - Operational Procedures (Slides: 169)	4 hrs.
4	MET - Meteorology (Slides: 197)	5 hrs.
5	COM - VFR & IFR Communications (Slides: 78)	2 hrs.
6	POF - Principles of Flight (Slides: 306)	7 hrs.
7	PERF - Performance (Slides: 213)	5 hrs.
8	GNAV - General Navigation (Slides: 82)	2 hrs.
9	FP - Flight Planning (Slides: 191)	4 hrs.
10	MB - Mass and Balance (Slides: 74)	2 hrs.
11	AGK - AF - Aircraft General Knowledge - Air Frames (Slides: 60)	2 hrs.
12	AGK - SYS - Aircraft General Knowledge - Systems (Slides: 61)	2 hrs.
13	AGK - ELEC - Aircraft General Knowledge - Electrics (Slides: 110)	3 hrs.
14	AGK - PP - PIST - Aircraft General Knowledge - Power plant - Piston (Slides: 88)	2 hrs.
15	AGK - PP - TURB - Aircraft General Knowledge - Power plant - Turbine (Slides: 49)	2 hrs.
16	AGK - EE - Aircraft General Knowledge - Emergency Equipment (Slides: 43)	2 hrs.
17	INST - Instruments (Slides: 247)	6 hrs.
18	RNAV - Radio Navigation (Slides: 116)	3 hrs.
Total Hours		61 hrs.

(2) Progress tests : (CATS Aviation Online Course)

Item	Progress tests (Test No.)	Time (hrs.: min.)
1	HPL - Human Performance Mandatory Progress Tests (18+1)	14:30
2	AL - Air Law and ATC Procedures Mandatory Progress Tests (15+4)	17:20
3	OPS - Operational Procedures Mandatory Progress Tests: (14+3)	14:10
4	MET - Meteorology Mandatory Progress Tests (32+5)	30:05
5	VCOM - VFR Communications Mandatory Progress Tests (1)	00:30
6	ICOM - IFR Communications Mandatory Progress Tests: (1)	00:30
7	POF - Principles of Flight Mandatory Progress Tests (22+4)	20:10
8	PERF - Performance Mandatory Progress Tests (12+1)	13:30
9	GNAV - General Navigation Mandatory Progress Tests (16+11)	27:55
10	FP - Flight Planning Mandatory Progress Tests (7+4)	13:33
11	MB - Mass and Balance Mandatory Progress Tests 1(5+6)	19:10
12	AGK - AF - Aircraft General Knowledge - Air Frames Mandatory Progress Tests (8+8)	18:10
13	AGK - SYS - Aircraft General Knowledge - Systems Mandatory Progress Tests (6)	04:55
14	AGK - ELEC - Aircraft General Knowledge - Electrics Mandatory Progress Tests (7)	05:00
15	AGK - PP - PIST - Aircraft General Knowledge - Power plant - Piston Mandatory Progress Tests (9+1)	08:15
16	AGK - PP - TURB - Aircraft General Knowledge - Power plant - Turbine Mandatory Progress Tests (7+2)	06:15
17	AGK - EE - Aircraft General Knowledge - Emergency Equipment Mandatory Progress Tests (4)	02:21
18	INST - Instruments Mandatory Progress Tests (28+25)	40:28
19	RNAV - Radio Navigation Mandatory Progress Tests (15)	09:55
Total		266:42