

CATC

Civil Aviation Training Center

THAILAND



The New Training Technologies adopted by CATC

YOUR TRUSTED
WORLD
CLASS
LIFELONG PARTNER
Your success



Air Traffic Services

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CATC THAILAND



- CATC Thailand was established on **4 June 1961** as a cooperative project between the United Nations Special Fund (UNSF), the International Civil Aviation Organization (ICAO), and the Royal Thai Government.
- In **1992**, CATC became a **state enterprise** under the **Ministry of Transport**.
- The objectives were to produce and develop aviation personnel together with providing technical, air transport and other aviation-related service



OUR SITES



CATC Bangkok Headquarters
Phaholyothin Road, Chomphon,
Chatuchak, Bangkok



Flight Training Center, Hua Hin
Hua Hin District, Prachuab Khirikhan



Certified ATOs

RGT
 AST 3000
 S/N 1708



**Flight
 Training
 Center**



**Air Traffic
 Control
 Training
 Organization**



**Aircraft
 Maintenance
 Training
 Organization**

Certified

Testing Centers



**Language
 Proficiency
 Testing Center**



**Skill Test
 For AMEL**

Certified

ICAO TRAININGS



TRAINAIR PLUS™
 Platinum Member



Ground Training



Aircraft Maintenance Engineer License
(AMEL) course

Airplane Mechanic, Gas Turbine Engine
Major



Bachelor of Science Program in Aviation
Science

Air Traffic Control Minor
Airport Management Minor
Air Cargo Minor
Aviation Logistic Minor
Airline Business Minor
Aircraft Maintenance Management Minor

Vocational Certification Program

Pre-Aeronautical Engineering

Diploma Program

Aircraft Technology Avionics Major

Bachelor of Engineering Program

Aeronautical Engineering
Study Plan : Avionics
Study Plan : Commercial Pilot

Master and Doctoral of Management
Program

Aviation Management





Flight Training



Flight Training Center

- Private Pilot-Airplane/Helicopter Course
- Commercial Pilot-Airplane/Helicopter Course
- Instructor Pilot-Airplane/Helicopter Course
- Robinson R44 Type Rating Course
- Multi-Engine Course
- Instrument Rating Course
- Recurrent-Airplane Course
- Flight Simulator

New Training Technologies adopted by **CATC**

- 01 Flight Simulator
- 02 Virtual Maintenance
- 03 Navigation Laboratory
- 04 Engineering Laboratory
- 05 STEM Laboratory
- 06 Composite Material
- 07 ATC Simulator



Flight Simulator Lab.



Microsoft Flight Simulator

- **Training Stations:** 8 simulation stations
- **Visual Setup:** Triple-monitor per station
- **Control Interface:** Equipped with realistic Flight Control
- **Total Capacity:** 16 students simultaneously
- **Software Foundation:** Microsoft Flight Simulator 2020

- **Specific Platform:** Diamond DA40 Aircraft Simulation

- **Configuration:** Dual-Station Training Setup

- **Capacity:** Supports up to 2 students

Flight Simulator DA 40



Flight Simulator B737

- **Simulator Type:** One Fixed-Base Boeing 737 Cockpit Trainer
- **Purpose:** High-Fidelity Procedural and Instrument Training
- **Key Feature:** Realistic, Non-Motion 737 Cockpit Replica

- **Simulator Type:** One Fixed-Base Airbus A320 Cockpit Trainer
- **Purpose:** High-Fidelity Procedural and Instrument Training
- **Key Feature:** Realistic, Non-Motion A320 Cockpit Replica

Flight Simulator A320



Virtual Maintenance

Virtual Maintenance **A320**

- **Training Stations:** 12 simulation stations
- **Visual Setup:** Triple-monitor per station
- **Control Interface:** Full computer-based controls
- **Total Capacity:** 24 students simultaneously
- **Software :** MTD A320



Navigation Lab.



- **Training Station :** 4 Navigation and Communication Stations
- **Communication:** Full support for authentic VHF Communication and radio procedures
- **Navigation:** VOR, ILS, NDB, and RNP (Required Navigation Performance)
- **Systems Fidelity:** Electronic Flight Instruments with Air Data Test Set capabilities for troubleshooting

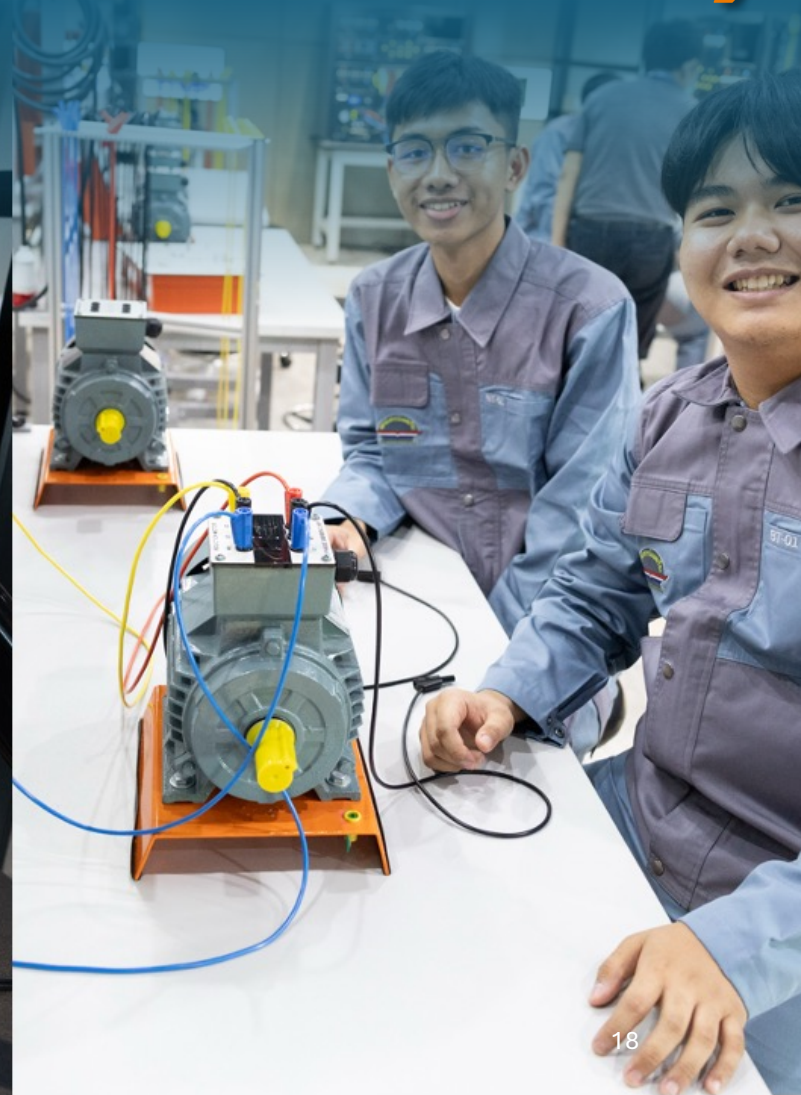
Navigation Lab.



Engineering Lab. (Communication)



Engineering Lab. (Electrical Machine)



STEM Laboratory



STEM Laboratory

- **Advanced Robotics:** 6-Axis Robotic Arm
- **Additive Manufacturing:** 3D Printing both Filament and Resin
- **Precision Subtraction:** Laser Cutting Machine
- **Aerodynamic Testing:** Wind Tunnel
- **CNC Machining:** 4-Axis CNC Machines

Composite Material Lab.

Advanced Prototyping & Fabrication Equipment:

- Thermal Bonding Machine
- Laboratory Chemical Fume Hood
- Composite Cutting Machine



Air Traffic Control Simulator

- **Simulation Suite :**
 - Aerodrome Control Simulator (360 Degree)
 - Approach Control Simulator
 - Area Control Simulator

Air Traffic Control Simulator

- **Certified Training Courses:**

- Air Traffic Control Basic training
- Aerodrome Control Rating training
- Approach Control Procedural Rating training
- Approach Control Surveillance Rating training
- Area Control Procedural Rating training
- Area Control Surveillance Rating
- Air Traffic Control Refresher training





THANK YOU

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