

B.Eng. in

Aeronautical Engineering and Commercial Pilot

with Commercial Pilot License (CPL)
4 Years English Program



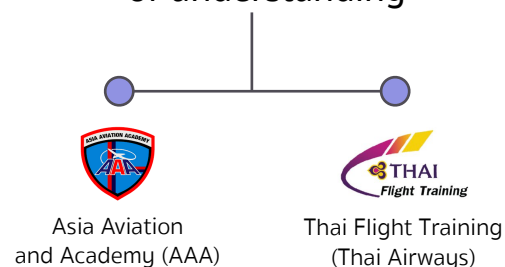
"Producing world-class "pilot" with outstanding engineering knowledge, capability, high virtue and excellent life skills can be done through the concepts of transformative learning and systems approach. "



**Total 145 credits
to complete the degree**

General Education 30 credits
Major courses 109 credits
Free electives 6 credits

The program is in collaboration with the following institutes in accordance to the memorandum of understanding



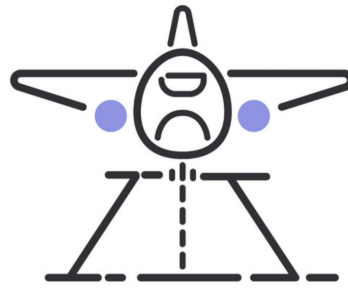
**tuition
fee**

13,500 USD/semester
(106,800 USD for the entire program)

**** 440,000 baht/semester (3,520,000 baht for the entire program)**

Aeronautical Engineering and Commercial Pilot

study Plan



Semester 1

Semester 2

Year 1

Engineering materials
Engineering drawing
Contemporary science and technology
Mathematics 1
Foundation English 1
Sports science for health

Thermodynamics3
Engineering mechanics
Mathematics 2
Selected topic in information technology system
Physics
Aviation English
Pre-engineering activities*



Year 2

Manufacturing process
Differential equations
Fluid mechanics
Computer programming 3
Personality development
Technical skills development
English for academic purpose

English for professional presentation
Heat transfer
Chemistry
Automatics flight control
Flight mechanics
Aircraft aerodynamics and performance
Entrepreneurship
Pre-pilot activities 1*



Year 3

Law and regulation in aviation industry
Aeronautical engineering laboratory
Aircraft structure
Aircraft powerplant
Gas dynamics
Aircraft design
Pre-pilot activities 2 *

Air Law
Aircraft general knowledge
Flight performance, planning & loading
Human performance
Meteorology
Navigation

Summer (Semester 3) - Aviation training



* S/U grading will be offered

Aeronautical Engineering and Commercial Pilot

study Plan



Semester 1

Semester 2

Year 4

Project based program

- Operational procedures
- Principles of flight
- Radiotelephony
- Flight training
- Project in aviation engineering 1

- Project in aviation engineering 2
- Free elective **
- Pre-pilot activities 3 *



Year 4

Co-operative education based program

- Operational procedures
- Principles of flight
- Radiotelephony
- Flight training
- Pre-pilot activities*
- Free elective**

- Co-operative education in Aeronautical engineering



Year 4

Overseas training based program

- Operational procedures
- Principles of flight
- Radiotelephony
- Flight training
- Pre-pilot activities*
- Free elective**

- Overseas training

* S/U grading will be offered

** Free elective total credit is at least 6