



Program Structure

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|---|-----|---------|
| Bachelor of Technology (Commercial Pilot) 4 years program | 132 | credits |
| General education | 32 | credits |
| The Area Courses | 94 | credits |
| Core Courses | 18 | credits |
| Major Courses | 76 | credits |
| a. Major Required Courses | 70 | credits |
| b. Major Elective Courses | 6 | credits |
| Free Elective | 6 | credits |

Year Study Plan

| 1 st YEAR | | | 2 nd YEAR | | |
|------------------------|--|-------------------|------------------------|---------------------------------------|-------------------|
| TERM 1 | | credits | TERM 1 | | credits |
| CSC 100 | Information Technology and ITs Application | 3(2-2-5) | MEN 240 | Aerodynamics | 3(3-0-6) |
| ENG 111 | Foundation English for Science and Technology I | 3(3-0-6) | MAT 241 | Linear Algebra | 3(3-0-6) |
| CPD 120 | Fundamental of Aeronautical Engineering | 3(3-0-6) | CPD 252 | English for Aviation Communication II | 3(2-2-5) |
| MAT 133 | Introductory Calculus | 3(3-0-6) | XXX xxx | Free Elective Course | 3(_ _ _) |
| MAT 141 | Introduction to Statistics | 3(3-0-6) | XXX xxx | Major Elective Courses | 3(_ _ _) |
| ESS xxx | Physical Education and/or Recreation Group | 1(_ _ _) | | Total | 15 credits |
| | Total | 16 credits | | | |
| TERM 2 | | credits | TERM 2 | | credits |
| ABM 101 | Introduction to Aviation Industry | 3(3-0-6) | CPD 200 | Mechanics of Flight | 3(3-0-6) |
| CHM 101 | Chemistry in Everyday Life | 3(3-0-6) | ABM 202 | Civil Aviation Laws and Regulations | 3(3-0-6) |
| ENG 112 | Foundation English for Science and Technology II | 3(3-0-6) | CPD 222 | Principle of Flight | 3(3-0-6) |
| PHY 132 | General Physics : Mechanics, Heat and Fluid | 3(2-2-5) | HUM xxx | Humanities Group | 3(_ _ _) |
| SOC xxx | Social Science Group | 3(3-0-6) | XXX xxx | Free Elective Course | 3(_ _ _) |
| ESS xxx | Physical Education and/or Recreation Group | 1(_ _ _) | | Total | 15 credits |
| | Total | 16 credits | | | |
| TERM 3 (SUMMER) | | credits | TERM 3 (SUMMER) | | credits |
| THA 106 | Thai Language for Communication | 3(2-2-5) | HUM xxx | Humanities Group | 3(_ _ _) |
| CPD 151 | English for Aviation Communication | 3(2-2-5) | SOC xxx | Social Science Group | 3(_ _ _) |
| | Total | 6 credits | | Total | 6 credits |
| Term of Payment | 91,300 Baht | | Term of Payment | 83,200 Baht | |

| 3 rd YEAR | | | 4 th YEAR | | |
|---|----------------|----------------|---|-----------------------|----------------|
| TERM 1 | | credits | TERM 1 | | credits |
| CPD 302 Aviation Physiology | | 1(1-0-2) | CPD 423 Normal-Emergency Procedures for CPL | | 3(3-0-6) |
| CPD 310 Aircraft Construction | | 1(1-0-2) | CPD 424 Flying Safety | | 3(3-0-6) |
| CPD 321 Aircraft Technical Type I | | 1(1-0-2) | CPD 430 Aircraft Power Plant for CPL | | 2(2-0-4) |
| CPD 323 Normal-Emergency Procedure | | 1(1-0-2) | CPD 470 Meteorology for CPL | | 2(2-0-4) |
| CPD 330 Aircraft Power Plant | | 1(1-0-2) | CPD 492 Flight Training III | | 2(0-6-3) |
| CPD 341 Basic Flight Instrument | | 1(1-0-2) | CPD 499 Aviation Safety Project | | 1(0-3-2) |
| CPD 342 Radio Navigation Aids | | 1(1-0-2) | XXX xxx Major Elective Courses | | 3(_ _ _) |
| CPD 343 Air Navigation | | 1(1-0-2) | | | |
| CPD 360 Radio Telephony and Morse Code | | 1(1-0-2) | | Total | 16 credits |
| CPD 370 Meteorology | | 1(1-0-2) | | | |
| CPD 380 Flight Rules and Regulation | | 1(1-0-2) | | | |
| CPD 390 Flight Training | | 1(0-3-2) | | | |
| | Total | 12 credits | | | |
| TERM 2 | | credits | TERM 2 | | credits |
| CPD 303 Aviation Physiology for CPL | | 2(2-0-4) | CPD 443 Air Navigation for CPL | | 3(3-0-6) |
| CPD 311 Aircraft Construction for CPL | | 2(2-0-4) | CPD 445 Advance Flight Instrument | | 3(3-0-6) |
| CPD 322 Aircraft Technical Type II | | 2(2-0-4) | CPD 480 Flight Rules and Regulation for CPL | | 3(3-0-6) |
| CPD 344 Aircraft Propulsion | | 3(3-0-6) | CPD 483 Civil Aviation and Law | | 2(2-0-4) |
| CPD 350 Applied Aerodynamics for CPL | | 3(3-0-6) | CPD 493 Flight Training IV | | 1(0-3-2) |
| CPD 351 Basic Flight Instrument for CPL | | 2(2-0-4) | | Total | 12 credits |
| CPD 352 Radio Navigation Aids for CPL | | 2(2-0-4) | Term of Payment | 953,500 Baht | |
| CPD 391 Flight Training II | | 2(0-6-3) | | | |
| | Total | 18 credits | Total Credits | 132 credits | |
| Term of Payment | 1,185,500 Baht | | Total Payment | 2,395,500 Baht | |

ADMISSION REQUIREMENTS

Applicants must possess the following qualifications:

- Complete upper secondary education or its equivalent as recognized by the Ministry of Education (M.6 Certificate); OR
 - Complete High School Grade 12 (US System) ; OR
 - Pass 5 subjects of IGCSE (British System) ; OR
 - Transfer credits from the international program of any university worldwide.
- English Language Proficiency :

Applicants must take an English Placement Test if they DO NOT:

 - Possess TOEFL 550 or IELTS 6.0 or Cambridge First Certificate; OR
 - Being English native speakers; OR
 - Proven to utilize English Fluently.
- Pass an interview.

Contact for more information at Aviation Institute, Rangsit University

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