

## COURSE DETAILS

A separate sheet should be completed for each course.

Course title	Bachelor of Engineering Program in Avionic Engineering
Entry qualifications	<ol style="list-style-type: none"> <li>1. Must have graduated or</li> <li>2. To receive graduate status of their high school in Mathematics-Science program, successfully completed grade 12 or</li> <li>3. Vocational Certificate Graduates</li> <li>4. High Vocational Certificate Graduates</li> </ol>
Maximum number in class	30 people
Average class contact hours per week	15-21 hours per week
Examining body	RMUTT
Academic level	Bachelor of Engineering (Avionic Engineering)
Certificate awarded, and by whom	Ministry of Education
Duration of course	4 years
Teacher/Course Leader responsible for the course	Mr. Wanchalerm Chanwattanapong
Brief outline of the course content and its delivery	<p>Students must complete at least 131 credits of the curriculum</p> <p><b>A. General Education Courses 30 credits</b></p> <p><b>B. Specialized Courses 95 credits</b></p> <p>Engineering Core Courses</p> <ul style="list-style-type: none"> <li>- Engineering Drawing</li> <li>- Electric Circuits 1</li> <li>- Material and Hardware for Aircraft Engineering</li> <li>- Maintenance Practice 1</li> <li>- Electric Circuits 2</li> <li>- Engineering Electronics</li> </ul>

- Maintenance Practice 2

Major Required Courses

- Principle of Airborne Communication Systems
- Digital Circuits and Microcontrollers Design
- Aircraft Structure
- Human Factors
- Aviation Legislation
- English for Aviation
- Electrical and Flight Instrumentations
- Aircraft Electrical Systems
- Flight Dynamic and Control
- Gas Turbine Engine and Piston Engine
- Avionic Engineering Pre-Project
- Navigation Aid Systems
- Avionic Engineering Project

**C. Free Elective Courses 6 credits**