

COURSE DETAILS

A separate sheet should be completed for each course.

Course title	Bachelor of Engineering Program in Railway System Engineering (Continuing Program)
Entry qualifications	1. Must have graduated or 2. High Vocational Certificate Graduates
Maximum number in class	35 people
Average class contact hours per week	15-21 hours per week
Examining body	RMUTT
Academic level	Bachelor of Engineering (Railway System Engineering)
Certificate awarded, and by whom	Ministry of Education
Duration of course	2 years
Teacher/Course Leader responsible for the course	Mr.Sataporn Tongvic, Ph.D.
Brief outline of the course content and its delivery	<p>Students must complete at least 83 credits of the curriculum</p> <p>A. General Education Courses 12 credits</p> <p>B. Specialized Courses 65 credits</p> <p>Engineering Core Courses</p> <ul style="list-style-type: none"> - Engineering Drawing - Electric Circuits 1 - Material and Hardware for Aircraft Engineering - Maintenance Practice 1 - Electric Circuits 2 - Engineering Electronics - Maintenance Practice 2 <p>Major Required Courses</p> <ul style="list-style-type: none"> - 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