

COURSE DETAILS

A separate sheet should be completed for each course.

Course title	Bachelor of Science in Technical Education Program in Electronics and Telecommunication Engineering
Entry qualifications	1. Must have graduated or 2. To receive graduate status of their high school in Mathematics-Science program, successfully completed grade 12 or 3. Vocational Certificate Graduates
Maximum number in class	30 people
Average class contact hours per week	15 – 21 hours per week
Examining body	RMUTT
Academic level	Bachelor of Science in Technical Education (Electronics and Telecommunication Engineering)
Certificate awarded, and by whom	Ministry of Education
Duration of course	5 years
Teacher/Course Leader responsible for the course	Mr.Taweesak Sukcharoensup
Brief outline of the course content and its delivery	Students must complete at least 173 credits of the curriculum A. General Education Courses 36 credits B. Specialized Courses 131 credits Basic Courses - Technical Drawing - Industrial Basic Skills - Industrial Materials - Calculus for Engineers 1 - Calculus for Engineers 2

- Language and Culture for Teachers
- Innovation and Information Technology in Education
- Psychology for Teachers
- Philosophy and Vocational Education Management
- Learning and Vocational Classroom Management
- Vocational Curriculum Development
- Measurement and Evaluation for Vocational Teachers
- Instructional Material Development
- Self Actualization for Vocational Teachers
- Learning Development Research for Vocational Teachers
- Vocational Educational Quality Assurance
- Didactics for Technician 1
- Didactics for Technician 2
- Practicum

Major Required Courses

- Electric Circuits
- Electronics and Telecommunication Drawing
- Computer Programming and Application Software for Electronics and Telecommunications
- Electronics and Telecommunication Engineering
- Pre-Project
- Electronics and Telecommunication Engineering Project
- Electronics and Telecommunication Education Project
- Electronic Skills Practices
- Electrical and Electronics Instruments
- Electronics Engineering
- Analog Circuits Analysis
- Digital Circuits Design
- Microprocessor and Microcontroller
- Telecommunication Skills Practices
- Signal and Systems
- Principles of Communication Systems
- Communication Circuits and Systems
- Radio Transmitter and Receiver
- Electromagnetic Engineering

- Communication Networks and Transmission Lines Engineering
- Data Communications and Networks

C. Free Elective Courses 6 credits