

COURSE DETAILS

A separate sheet should be completed for each course.

Course title	Bachelor of Science in Technical Education Program in Electrical Engineering
Entry qualifications	<ol style="list-style-type: none"> 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 (Electrical Engineering)
Certificate awarded, and by whom	Ministry of Education
Duration of course	5 years
Teacher/Course Leader responsible for the course	Asst. Prof. Sumeth Theskul
Brief outline of the course content and its delivery	<p>Students must complete at least 170 credits of the curriculum</p> <p>A. General Education Courses 33 credits</p> <p>B. Specialized Courses 131 credits</p> <p>Teaching Profession Courses</p> <ul style="list-style-type: none"> - Language and Culture for Teachers - Innovation and Information Technology in Education - Psychology for Teacher - Philosophy and Vocational Administrative

- 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
- Vocational Professional Experience 1
- Vocational Professional Experience 2

Engineering Courses

- Electric Circuits
- Electrical Drawings
- Electric Circuits Analysis
- Electrical Machines 1
- Electrical Engineering Mathematics
- Industrial Electronics
- Electrical Skill Practices
- Electrical Machines 2
- Illumination Engineering
- Power Electronics
- Electrical System Designs
- Electrical Pre-Project
- Electrical Projects
- Electrical Measurements and Instrumentations
- Control Systems
- Digital Circuits Design

C. Free Elective Courses 6 credits