

COURSE DETAILS

A separate sheet should be completed for each course.

Course title	Bachelor of Science in Technical Education Program in Mechanical 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	
Average class contact hours per week	15 – 21 hours per week
Examining body	RMUTT
Academic level	Bachelor of Science in Technical Education (Mechanical Engineering)
Certificate awarded, and by whom	Ministry of Education
Duration of course	5 years
Teacher/Course Leader responsible for the course	Asst. Prof. Tanutt Sripanom
Brief outline of the course content and its delivery	<p>Students must complete at least 169 credits of the curriculum</p> <p>A. General Education Courses 36 credits</p> <p>B. Specialized Courses 127 credits</p> <p>Required Teaching Profession Courses</p> <ul style="list-style-type: none"> - 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

Engineering Courses

- Mechanical Drawing
- Measuring Tool
- Machine Tool
- Engineering Mechanic
- Engineering Dynamics
- Fluid Mechanic
- Thermodynamic
- Mechanic of Material
- Mechanical Design
- Pneumatic and Hydraulic
- Internal Combustion Engine
- Basics Automotive Maintenance
- Gassoline Engine
- Diesel Engine
- Automotive Suspension and Transmission
- Automotive Electrical and Electronics
- Electrical Engineering Technology
- Mechanical Pre-project
- Mechanical Engineering Project
- Mechanical Education Project

C. Free Elective Courses 6 credits