

COURSE DETAILS

A separate sheet should be completed for each course.

Course title	Bachelor of Science in Technical Education Program in Civil 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	60 people
Average class contact hours per week	15 – 21 hours per week
Examining body	RMUTT
Academic level	Bachelor of Science in Technical Education (Civil Engineering)
Certificate awarded, and by whom	Ministry of Education
Duration of course	5 years
Teacher/Course Leader responsible for the course	Mr.Nattanon Rattanachai
Brief outline of the course content and its delivery	Students must complete at least 174 credits of the curriculum A. General Education Courses 36 credits B. Specialized Courses 132 credits Basic Teaching Profession Courses <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

- Technical Drawing
- Construction Drawing
- Construction Techniques Workshop 1
- Construction Techniques Workshop 2
- Construction Techniques Workshop 3
- Construction Techniques Workshop 4
- Industrial Basic Skills
- Industrial Materials
- Civil Engineering Pre-project
- Civil Engineering Project 1
- Civil Engineering Project 2
- Engineering Mechanics
- Engineering Drawing by Computer Program 1
- Engineering Drawing by Computer Program 2
- Construction Safety
- Surveying 1
- Surveying 2
- Construction Estimation and Specification
- Soil Mechanics and Laboratory
- Construction Techniques
- Law Contract and Construction Items
- Construction Management
- Construction of Materials
- Construction Materials and Testing Laboratory
- Theory of Structures
- Structural Analysis
- Reinforced Concrete Design

- Timber and Steel Design
- Fluid Mechanics and Laboratory

C. Free Elective Courses 6 credits