

## COURSE DETAILS

A separate sheet should be completed for each course.

Course title	Bachelor of Engineering Program in Industrial Engineering
Entry qualifications	<ol style="list-style-type: none"> <li>1. Must have graduated or</li> <li>2. To receive graduate status of their high school in Mathematics-Science program, successfully completed grade 12 or</li> <li>3. Vocational Certificate Graduates</li> <li>4. High Vocational Certificate Graduates</li> </ol>
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 (Industrial Engineering)
Certificate awarded, and by whom	Ministry of Education
Duration of course	4 years
Teacher/Course Leader responsible for the course	Asst. Prof. Surat Triwanapong
Brief outline of the course content and its delivery	<p>Students must complete at least 149 credits of the curriculum</p> <p><b>A. General Education Courses 30 credits</b></p> <p><b>B. Specialized Courses 113 credits</b></p> <p>Core Courses</p> <p>Major Required Courses</p> <ul style="list-style-type: none"> <li>- Fundamentals of Electrical Engineering Laboratory</li> <li>- Engineering Metrology Laboratory</li> <li>- Mechanical Engineering and Material Testing Laboratory</li> <li>- Safety Engineering</li> </ul>

- Quality Control
- Production Planning and Control
- Industrial Plant Design
- Machine Tool Engineering
- Tool Engineering
- Forming Processes
- Automation Control System
- Production Engineering Laboratory
- Work Study
- Engineering Economy
- Operation Research
- Maintenance Engineering
- Industrial Engineering Laboratory
- Industrial Engineering Pre-Project
- Industrial Engineering Project

**C. Free Elective Courses 6 credits**