

**COURSE DETAILS**

**A separate sheet should be completed for each course.**

Course title	Bachelor of Industrial Technology Program in Smart Electronics (Continuing Program)
Entry qualifications	1. High 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 Industrial Technology (Smart Electronics)
Certificate awarded, and by whom	Ministry of Education
Duration of course	2 years
Teacher/Course Leader responsible for the course	Asst. Prof. Dr. Yutthachai Sillapawicharn
Brief outline of the course content and its delivery	<p>Students must complete at least 79 credits of the curriculum</p> <p><b>A. General Education Courses 15 credits</b></p> <p><b>B. Specialized Courses 58 credits</b></p> <p>Core Courses</p> <ul style="list-style-type: none"> <li>- Calculus for Engineers 1</li> <li>- Physics for Engineers 1</li> <li>- Physics for Engineers 1</li> </ul> <p>Major Required Courses</p> <ul style="list-style-type: none"> <li>- Advanced Digital System Design</li> <li>- Programmable Logic Controller for Smart Technology</li> <li>- Control Systems for Smart Electronics</li> <li>- Electrical and Electronic Solutions with Computer Softwares</li> </ul>

- Microcontroller Applications for Smart Electronics
- Industrial Electronics and Power Electronics for Smart Electronics
- Graphical Programming for Smart Electronics
- Industrial Electrical Motors and Drives
- Seminar
- Smart Electronics Project

**C. Free Elective Courses 6 credits**