

COURSE DETAILS

A separate sheet should be completed for each course.

Course title	Bachelor of Science Program in Computer Science
Entry qualifications	<ol style="list-style-type: none"> 1. Must have graduated or 2. To receive graduate status of their high school, 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 (Computer Science)
Certificate awarded, and by whom	Ministry of Education
Duration of course	4 years
Teacher/Course Leader responsible for the course	Asst. Prof. Dr. Uraiwan Inyaem
Brief outline of the course content and its delivery	<p>Students must complete at least 135 credits of the curriculum</p> <p>A. General Education Courses 30 credits</p> <p>B. Specialized Courses 99 credits</p> <p>Basic Courses</p> <ul style="list-style-type: none"> - Fundamental of Calculus for Computer - Discrete Structures for Computer - Digital and Boolean Algebra - Numerical Methods for Computer - Statistics for Computer <p>Required Courses</p> <ul style="list-style-type: none"> - Introduction to Computer Science - Fundamental of Computer Programming - Object Oriented Programming - Data Structures and Algorithms

- Design and Analysis of Algorithms
- Computer Organization and Architecture
- Operating Systems
- Database Systems
- Data Communications and Networks
- Information System Management
- System Analysis and Design
- Software Engineering
- Principles of Programming Languages
- Multimedia Systems and Applications
- Computer Graphics
- Human-Computer Interaction
- Artificial Intelligence
- Seminar in Computer Science
- Computer Science Project 1
- Computer Science Project 2

C. Free Elective Courses 6 credits