



COLLEGE OF ART, MEDIA AND TECHNOLOGY

CHIANG MAI UNIVERSITY

Bachelor of Science in Software Engineering
(International Program)

The program incorporates knowledge in computer science, project management and software quality management. Its main objective is to produce competent software engineers qualified to meet the demands of the international software industry. The software engineering curriculum conforms to SEEK (Software Engineering Education Knowledge) standards.



BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING

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STUDY PLAN

Year 1

First Semester	Total 18 credits	Second Semester	Total 21 credits
001101 Fundamental English 1	3	001102 Fundamental English 2	3
206113 Calculus for Software Engineering	3	206281 Discrete Mathematics	3
953100 Computer and Programming	2	953102 Abstract Data Type and Problem Solving	3
955102 Digital Literacy	2	953202 Introduction to Software Engineering	3
955103 Programming Logical Thinking	2	953211 Computer Organization	3
General Education in Digital Literacy	3	953231 Object Oriented Programming	3
General Education in Elective Course	3	140104 Citizenship	3

Year 2

First Semester	Total 21 credits	Second Semester	Total 18 credits
001201 Critical Reading and Effective Writing	3	001225 English in Science and Technology Contexts	3
206263 Elementary Statistics	3	206255 Mathematics for Software Engineering	3
953201 Algorithms Design and Analysis	3	953214 Operating System and Computer Networks	3
953212 Database Systems and Database Systems Design	3	953234 Basic Development and Operations	3
953233 Advanced Programming	3	953262 Front-end and Web Development	3
953251 Human Factors in Digital Interaction Design	3	Foundation Innovation Co-creator	3
General Education in Elective Course	3		

Year 3

First Semester	Total 15 credits	Second Semester	Total 15 credits
953321 Software Requirement Analysis	3	953323 Software Construction and Testing	3
953322 Software Design and Architecture	3	953445 Introduction to Software Business	3
953331 Component-Based Software Development	3	Major Elective	3
Major Elective	3	Free Elective	3
Free Elective	3	General Education in Elective Course	3

Year 4

First Semester	Total 12 credits	Second Semester	Total 9 credits
953420 Ethics and Professionalism for Software Engineers	3	953491 Cooperative Education	9
953422 Software Quality Assurance	3		
953499 Software Engineering Project	3		
Major Elective	3		

ABOUT THE PROGRAM

The program focuses on the application of theories to real world situations with its distinct learning mode being primarily project-based. It also emphasises cooperative training schemes in conjunction with software enterprises in order for students to directly acquire useful knowledge and gain practical experiences before their graduation.

CAREER OPPORTUNITIES

Software engineers are able to perform each of the tasks in the software development process. Software engineers work with businesses, government agencies. Some software engineers work for themselves as freelancers. Some organizations have specialists to analyze their data called "Business Analyst", "Project Manager" who manage the development processes. Students can explore their interests and skills to find the best path for them.

- Ex.
- software engineering
 - programmer or system developer
 - system analyst and designer
 - software tester
 - software operator
 - software project manager
 - software architect

TUITION FEE

40,000 THB per semester
(Flat rate tuition)

FOR MORE DETAIL

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More information (about admission)

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