



# COLLEGE OF ARTS, 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. The primary goal is to produce skilled software engineers who are equipped to fulfill the requirements of the global software industry. The software engineering curriculum conforms to SEEK (Software Engineering Education Knowledge) standards.



# BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING

(International Program)

COLLEGE OF ARTS, MEDIA AND TECHNOLOGY  
CHIANGMAI UNIVERSITY



## 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
208263 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	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's particular learning approach is predominantly project-based, and it focuses on on the application of theories to real-world circumstances. It also emphasizes cooperative training schemes in collaboration with software enterprises to provide students with direct access to useful information and practical experience prior to 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.

e.g.

- Software Engineer
- Programmer or System Developer
- System Analyst and Designer
- Software Tester
- Software Operator
- Software Project Manager
- Software Architect

## TUITION FEES

Thai nationality:  
40,000 THB per semester  
Other nationalities:  
60,000 THB per semester

## FOR MORE DETAIL

College of Arts, Media and Technology,  
Chiang Mai University  
239 Huay Kaew Rd., Suthep, Muang,  
Chiang Mai 50200  
Website: <http://www.camt.cmu.ac.th>  
E-mail: [bs.se@camt.info](mailto:bs.se@camt.info)  
Tel: (+66) 53 920 299 ext 107  
Fax: (+66) 53 941 803

More information (about admission)

Registration Office Chiang Mai University  
239 Huaykaew Rd., Suthep, Muang, Chiangmai,  
Thailand, 50200



+66 5394 8918



[ipas\\_admission@reg.cmu.ac.th](mailto:ipas_admission@reg.cmu.ac.th)



<https://admission.reg.cmu.ac.th/ipas/>