



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

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STUDY PLAN

Year 1

<i>First Semester</i>	Total 17 credits	<i>Second Semester</i>	Total 17 credits
001101 Fundamental English 1	3	001102 Fundamental English 2	3
953101 Computer and Programming	3	953102 Abstract Data Type and Problem Solving	3
953104 Web User Interface Design and Development	2	953202 Introduction to Software Engineering	3
953105 Digital Proficiency for Software Engineering	3	953211 Computer Organization	3
GE (Digital Literacy)	3	953231 Object Oriented Programming	3
GE (Electives Courses)	3	953261 Interactive Web Development	2

Year 2

<i>First Semester</i>	Total 18 credits	<i>Second Semester</i>	Total 18 credits
953201 Algorithms Design and Analysis	3	953214 Operating System and Computer Networks	3
953212 Database Systems and Database Systems Design	3	953216 Computational Programming for Modern Software Development	3
953233 Advanced Programming	3	953232 Object Oriented Analysis and Design	3
953251 Human Factors in Digital Interaction Design	3	953234 Basic Development and Operations	3
953215 Computational Foundations for Modern Software Development	3	140104 Citizenship	3
General Education (Language Literacy)	3	General Elective (Creativity and Innovation)	3

Year 3

<i>First Semester</i>	Total 16 credits	<i>Second Semester</i>	Total 15 credits
953321 Software Requirement Analysis	3	953329 Software Testing and Maintenance	3
953328 Software Design, Architecture and Constructions	3	Major Elective	3
953331 Component-Based Software Development	3	Major Elective	3
953392 Software Engineering Preproject	1	General Education (Entrepreneurial Skills)	3
953411 Artificial Intelligence for Software Engineering	3	Free Elective	3
Major Elective	3		

Year 4

<i>First Semester</i>	Total 15 credits	<i>Second Semester</i>	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		
Free 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: interadmission-camt@cmu.ac.th
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



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