



CHIANG MAI UNIVERSITY

DEPARTMENT OF COMPUTER ENGINEERING



Our Vision:

Knowledge of tomorrow, ready for your learning today.

Our Mission:

Computing is a dynamic area which requires continuously renewing knowledge and skills. With us, students can improve their skills, attain knowledge of tomorrow and be ready for working in this rapidly changing industry. Our academic and public services are developed from the expertise and knowledge from our world-class research.

Our Research Units:

Applied Computer Engineering
Bioinformatics
Computational Intelligence
Computer Graphics
Computer Vision

Embedded Systems
Database and Networking
Data Engineering
Software Engineering
Theoretical Computing



STUDY PLAN

Study Program: 1 st Year		Study Program: 2 nd Year	
First Semester	<i>Total 19 Credits</i>	First Semester	<i>Total 20 Credits</i>
001101 FUNDAMENTAL ENGLISH 1	3	001201 CRITICAL READING & WRITING	3
206161 CALCULUS FOR ENGINEERING 1	3	261200 OBJECT-ORIENTED PROGRAMMING	3
207105 PHYSICS FOR ENGINEERING 1	3	255201 QUANTITATIVE ANALYSIS IN INDUSTRIAL ENGINEERING	3
259104 ENGINEERING DRAWING	3	261335 COMPUTER NETWORKS	3
259191 LEARNING THROUGH ACTIVITIES 1	1	261336 COMPUTER NETWORKS LABORATORY 1	1
269101 INTRODUCTION TO ISNE	3	269200 WEB PROGRAMMING	3
269102 BASIC COMPUTER PROGRAMMING FOR ISNE	3	269201 ISNE LABORATORY 2	1
		269202 ALGORITHMS FOR ISNE	3
Second Semester	<i>Total 19 Credits</i>	Second Semester	<i>Total 19 Credits</i>
001102 FUNDAMENTAL ENGLISH 2	3	001225 ENGLISH IN SCIENCE & TECH.	3
206162 CALCULUS FOR ENGINEERING 2	3	252281 FUND. OF ELECTRONICS FOR ISNE	3
261205 DATA STRUCTURE & ALGORITHMS	3	261342 FUND. OF DATABASE SYSTEMS	3
269103 PROGRAMMING FOR ISNE	3	261345 DATABASE SYSTEMS LABORATORY	1
269105 ISNE LABORATORY 1	1	261435 NETWORK PROGRAMMING	3
269130 DATA & COMPUTER COMM. FOR ISNE	3	269210 COMP. ARCHITECTURE FOR ISNE	3
GENERAL ELECTIVES	3	GENERAL ELECTIVES	3
Study Program: 3 rd Year		Study Program: 4 th Year	
First Semester	<i>Total 18 Credits</i>	First Semester	<i>Total 16 Credits</i>
261305 OPERATING SYSTEMS	3	269400 ADVANCED INFORMATION SYSTEMS & NETWORK TECHNOLOGY	3
261434 NETWORK DESIGN & MANAGEMENT	3	269430 WIRELESS & BROADBAND COMPUTER NETWORKS	3
261361 SOFTWARE ENGINEERING	3	269470 INFORMATION TECHNOLOGY SERVICE MANAGEMENT	3
269400 DATA CENTRIC APPLICATION	3	269491 PROJECT SURVEY	1
GENERAL ELECTIVES	6	MAJOR ELECTIVES	6
Second Semester	<i>Total 22 Credits</i>	Second Semester	<i>Total 10 Credits</i>
259194 LEARNING THROUGH ACTIVITIES 4	1	259192 LEARNING THROUGH ACTIVITIES 2	1
261446 INFORMATION SYSTEMS	3	269492 PROJECT	3
261447 NETWORK & INFORMATION SECURITY	3	MAJOR ELECTIVES	3
269101 PLATFORM PROGRAMMING	3	FREE ELECTIVES	3
269170 PROJECT MANAGEMENT FOR ISNE	3		
MAJOR ELECTIVES	3		
GENERAL ELECTIVES	3		
FREE ELECTIVES	3		

Bachelor of Engineering in Information Systems and Network Engineering

The Information Systems and Network Engineering (ISNE) field is growing rapidly due to collaboration between business and IT organizations. With the creation of the Association of Southeast Asian Nations Economic Community (AEC) in 2015 a more international perspective and collaboration is necessary.

In order to be working efficiently in this field in the future, one will need to have the ability to work with people who speak different languages. ISNE is designed to prepare students to have good language and technical skills for working effectively in an international environment.

ISNE is a bilingual program. The total number of credits is 143 with 89 engineering credits that will be taught in English by professors who earned their Ph.D. from international universities. This includes professors who speak English as a native language and other experts in the field from within the faculty of Engineering, Chiang Mai University and external sources.

Tuition

The tuition rate is 50,000 baht per semester.

Occupations

Security Engineer, System Administrator, IT Consultant, IT Project Manager, Systems Analyst, Information Coordinator, System Architect, Network Engineer, System Engineer.

Course Examples

Mobile Application Development, Web Programming, Wireless and Broadband Computer Networks Traffic Analysis, Software Engineering, Data Warehousing and Business Intelligence, Project Management and more.