FACULTY OF ENGINEERING

CHIANG MAI UNIVERSITY

Bachelor of Engineering in
Information Systems and Network Engineering
(International Program)

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
- Database and Networking
- Data Engineering
- Software Engineering
- Theoretical and Quantum Computation

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STUDY PLAN

Year 1

First Semester — Total 19 credits

001101 Fundamental English 1	3
206161 Calculus for Engineering 1	3
207105 Physics for Engineering and Agro-Industry Students 1	3
259104 Engineering Drawing	3
259191 Learning through Activities 1	1
269101 Introduction to ISNE	3
269102 Basic Computer Programming for ISNE	3

Second Semester — Total 19 credits

001102 Fundamental English 2	3
140104 Citizenship	3
206162 Calculus for Engineering 2	3
261205 Data Structures and Algorithm	3
269103 Programming Language for ISNE	3
269105 ISNE Laboratory 1	1
269130 Fundamentals of Data and Computer Communication	3

Year 2

First Semester — Total 20 credits

001201 Critical Reading and Effective Writing	3
255201 Quantitative Analysis in Industrial Engineering 1	3
261200 Object-Oriented Programming	3
261335 Computer Networks	3
261336 Computer Networks Laboratory	1
269200 Web Programming Language	3
269201 ISNE Laboratory 2	1
269202 Algorithms for ISNE	3

Second Semester — Total 19 credits

001225 English in Science and Technology Context	3
252281 Fundamentals of Electronics Circuits for ISNE	3
261342 Fundamentals of Database Systems	3
261343 Database System Laboratory	1
261433 Network Programming	3
269210 Computer Architecture for ISNE	3
General Education (Co-creator)	3

Year 3

First Semester — Total 18 credits

261305 Operating Systems	3
261361 Software Engineering	3
261434 Computer Network Design and Management	3
269340 Data Centric Application Development	3
269430 Wireless and Broadband Computer Networks	3
General Education (Learner Person)	3

Second Semester — Total 19 credits

261446 Information Systems	3
261447 Network and Information Security	3
269360 Platform Programming	3
269370 Project Management for ISNE	3
Major Elective	3
General Education (Elective)	1
Free Elective	3

Year 4

First Semester — Total 16 credits

269491 Project Survey	1
Major Elective	3
Major Elective	3
General Education (Elective)	3
General Education (Elective)	3
Free Elective	3

Second Semester — Total 13 credits

259192 Learning through Activities 2	1
269400 Adv. Information Systems and Network Technology	3
269470 Information Technology Service Management	3
269492 Project	3
Major Elective	3

Cooperative Plan

Year 3 (Cooperative Plan)

First Semester — Total 21 credits

261305 Operating Systems	3
261361 Software Engineering	3
261434 Computer Network Design and Management	3
269340 Data Centric Application Development	3
269430 Wireless and Broadband Computer Networks	3
General Education (Learner Person)	3
Free Elective	3

Second Semester — Total 20 credits

261446 Information Systems	3
261447 Network and Information Security	3
269360 Platform Programming	3
269370 Project Management for ISNE	3
269491 Project Survey	1
Major Elective	3
General Education (Elective)	1
Free Elective	3

Year 4 (Cooperative Plan)

First Semester — Total 6 credits

269495 Cooperative Education	6

Second Semester — Total 19 credits

259192 Learning through Activities 2	1
269400 Adv. Information Systems and Network Technology	3
269470 Information Technology Service Management	3
269492 Project	3
Major Elective	3
General Education (Elective)	3
General Education (Elective)	3

ABOUT THE PROGRAM

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 an international program. The total number of credits is 143 with 89 engineering Credits that will be taught in English by professors who gained 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 experts.

CAREER OPPORTUNIITIES

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

TUITION FEE

Thai students:
    50,000 baht per semester
Foreign students:
    70,000 baht per semester

FOR MORE DETAIL

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Facebook: www.facebook.com/cmu.isne

More information (about admission)

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