

# MASTER OF ENGINEERING (M.ENG.)\*, MASTER OF SCIENCE (M.SCI.)\*\*

*Globalization is a catalyst for rapid change, increasing the demand of computer technology in today's society. Computers are used as analysis tools in manufacturing, medicine, agriculture, multimedia, internet communications, and many other important areas. It is, therefore, the responsibility of institutions of higher learning to produce well-qualified researchers to develop 3 new products and to improve existing systems. To meet the nation's ever increasing demand, the master's program has been designed to produce high caliber scientists and engineers right here in Thailand with the qualifications comparable to those from leading international universities. English is used throughout lectures and course work so that students may master the language skills necessary for communications to further higher, life-long education.*

## OBJECTIVES

1. To produce scholars with excellence in state-of-art areas of computer science and engineering, particularly those in demand of industrial sectors and jobs markets.
2. To develop scholars with the ability to do research, analysis, and technical problem solving.
3. To produce scholars with fluency in English.

## PROGRAM LEARNING OUTCOMES

1. Analyze and evaluate existing knowledge and technologies in computer engineering.
2. Improve or develop a software/hardware system, process, tools, or algorithm to solve research or professional problems in computer engineering.
3. Communicate effectively through technical reports, proposals, and oral presentations for both technical and non-technical audiences.

## PROGRAM STRUCTURE

- Plan A2 (12-credit thesis)
  - 7 core courses
  - 18 elective courses
  - 12-credit thesis
- Plan B1 (6-credit research project)
  - 7 core courses
  - 24 elective courses
  - 6-credit research project
- Plan B2 (6-credit professional project)
  - 7 core courses
  - 24 elective courses
  - 6-credit professional project

**\*for Bachelor of Engineering (B.Eng.) student**

**\*\*for Bachelor of Science (B.Sci.) student**



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