

International Program In Software Engineering @ KMITL Joining University of Glasgow



For further information on the International SE program
and KMITL-Glasgow 2+2 SE program, please contact:

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The First International Program in Software Engineering in Thailand.



KMITL-Glasgow 2+2 International Program in Software Engineering.



King Mongkut's Institute of
Technology Ladkrabang

Advanced program in software research, development and practice, to lead international software industry. To experience both Thai and British cultures and be awarded with a degree from a world-class university.

Why Software Engineering?

Every computer system is governed by software. Almost every human activity involves computer technology in some form. Undoubtedly software industry is one of the largest industries in the world. Software engineering (SE) is an engineering discipline concerning all aspects of software production, including software analysis, design, development, testing, and deployment. SE requires profound abstract and logical thinking and the application of mathematics, logic, and computer science in order to produce efficient and reliable software with the available resources.

Our Software Engineering Program

The program aims at producing leading software engineers who possess high caliber in the knowledge and skills in software development and research, as well as having professional integrity and ethics. The program is a 4-year undergraduate course conducted entirely in English. It is taught by a team of academics with expertise in various disciplines of software engineering from KMITL and our overseas partner universities. Graduates will be awarded the B.Eng. degree in Software Engineering.

KMITL-Glasgow 2+2 SE Program

With our collaboration with University of Glasgow, UK, students who have completed Year 2 of our SE program and passed the academic and English language requirements will be able to continue their studies in Years 3 and 4 at the School of Computing Science, University of Glasgow. Students will join the highly-successful Software Engineering program at Glasgow and have an opportunity to study with world-renowned academics, as well as working on team projects with multi-national talents in this program. Successful students will be conferred the B.Sc. degree in Software Engineering from University of Glasgow.



King Mongkut's Institute of Technology Ladkrabang



Since its founding in 1960, KMITL has grown to become one of the nation's leading universities in the field of computing and information technology. The Institute is named after King Rama IV, the King Mongkut, widely known among the Thais as the Father of Thai Science. Being well-known for its science and engineering innovation, the Institute emphasizes a hands-on approach in educating students and encourages creativity.

University of Glasgow

Founded in 1451, University of Glasgow is the fourth oldest university in the English-speaking world. It is one of the world's top 100 universities. Glasgow has built a reputation for the excellence of its Computing Science teaching and research. Today, the School of Computing Science is ranked in the UK's top 10 for research in the latest Research Assessment Exercise. The students can benefit from its strong links with industry and graduate well-placed for a career with a range of companies across the UK, Europe and the world.

International SE Program

First Year

1st Semester

Mathematics 1
Intro. to Mathematical Logic
Principle of Computer Programming
Principle of Com Programming Lab
Digital Circuit & Logic Design
Digital Circuit Lab
Computers & Programming
Foundation English 1

2nd Semester

Mathematics 2
Discrete Mathematics
Computer Organization & Assembly Language
Computer Organization & Assembly Language Lab
Object-Oriented Concepts & Programming
Object-Oriented Programming Lab
Physics for Daily Life
Foundation English 2

Second Year

1st Semester

Mathematics 3
Probability & Statistics
Advanced Object-Oriented Programming
Data Structures & Algorithms
Data Structures & Algorithms Lab
Seminar in Software Engineering
Technical Writing

2nd Semester

Software Engineering Principle
Software Engineering Lab
Operating Systems
Database Systems
Computer Graphics
Applications of Information Systems
Technical Comm. & Presentation

Summer Semester

SW Industrial Training

Third Year

1st Semester

Object-Oriented Analysis & Design
Object-Oriented Analysis & Design Lab
Theory of Computation
Computer Network & Comm.
Artificial Intelligence
SW Verification & Validation

2nd Semester

Algorithm Design & Analysis
Compiler Construction
Distributed Computing
SW Design & Architecture
SW Project Management
Software Project 1

Fourth Year

1st Semester

Software Project 2
Two Elective Courses in SE
One Free Elective Course
One Elective Course in Social Study

2nd Semester

Software Project 3
SW Development Process
Computer Ethics & Law
One Free Elective Course
One Elective Course in Humanity

*The tuition fee for this program is 67,000 Bahts per semester.



KMITL-Glasgow 2+2 SE Program (Taught by Glasgow)

Third Year

Team Project
Advanced Programming
Algorithmics
Database Systems
Distributed Info. Management
Interactive Systems
Networked Systems
Operating Systems
Professional SW Development
Programming Languages

Fourth Year

Individual Project
Professional Issues
Eight Elective Courses in
Computer Science and Software Engineering

*The tuition fee for this program is 11,200 GBP per year.