

Program Aims

The Master of Science in Information Technology (MSIT) program aims to produce graduates with a range of technical knowledge and skills in planning, designing, and managing IT systems and infrastructure, enabling them to pursue successful careers either as IT entrepreneurs, or work at senior positions in industry/academia. The program facilitates the needs of both non-IT and IT students to accomplish a Master degree in IT. With foundation courses in four key areas (Software Development, System Architecture, Computer Networking and Data Management), non-IT students will learn all the necessary IT fundamentals before continuing to subsequent advanced-level courses. In addition to foundation and advanced IT courses, the program also consists of elective courses in the specialization areas of Management Information System, Software Engineering, Artificial intelligence, Big data, and Web & Mobile Technologies. Most courses include realistic projects and case studies where students will gain hands-on experience with state-of-the-art technologies, solutions and tools used in today's organizations and businesses.

Contact Us

Graduate School

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Student Recruitment Unit

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**SHINAWATRA
UNIVERSITY**
FOSTERING INNOVATION

Master of Science Program in Information Technology (International Program)



Master of Science Program

in Information Technology (International Program)

Program Philosophy

Master of Science in Information Technology program at Shinawatra University is aware of the importance of information technology. We consider it is a vital technology for future development of Thailand, especially Thailand 4.0. The course is designed to provide educational opportunities for graduates in any field of background knowledge.

Furthermore, we provide two different tracks including Plan A: Coursework and Thesis, and Plan B: Coursework and Independent Study. Plan A provides both research and coursework for those who might want to later pursue research jobs or involve in IT start-ups. Plan B provides extensive project-based coursework to equip those who plan to take IT related positions in top IT companies or for IT start-ups.

Program Duration

2 years

Total of Credits required

36 credits

Program Expense

276,000 Baht

Class Period

Monday-Friday between 18.00 - 21.00 hrs.

Class Venue

Shinawatra University, Bangkok Building

Program Structure

1) Plan A Coursework and Thesis

- Foundation courses	12	credits
- Core IT courses	9	credits
- Elective Courses	3	credits
- Thesis	12	credits
Total	36	credits

3) Plan B Coursework and Independent Research Study

- Foundation courses	12	credits
- Core IT courses	9	credits
- Elective Courses	12	credits
- Independence Study	3	credits
Total	36	credits

Foundation courses 12 credits

IT502 Data Structures and Algorithms: Object-Oriented Approach	3
or IT523 Information System Development and Software Engineering	3
IT511 Computer Architecture and Operating Systems	3
or IT603 Special Topics in Information Technology	3
IT512 Computer Networks and Internet Technologies	3
or IT571 Computer Network Design and Management	3
IT521 Database Systems and Database Design	3
or IT572 Advanced Database Technologies and DB Administrations	3

Core IT courses 12 credits

IT522 Management Information Systems	3
IT573 Information Technology Project Management	3
IT574 System Security and Audit	3

Elective courses

The students select courses from the following list to satisfy their elective course requirements. In addition, they can select any graded courses offered by any post-graduate program within the university with the approval of each student's advisor.

IT501 Foundation of Computing	3
IT603 Special Topics in Information Technology	3

IT611 Research Methodology	3
IS571 Knowledge Management	3
IS572 E-Business and E-Commerce	3
IS573 Business Analytics and Intelligence	3
IS574 Enterprise Systems and Architecture	3
IS575 IT Strategy & Governance	3
WM571 Computer Graphics and Multimedia Technologies	3
WM572 Advanced Web Technologies	3
WM573 Web Information Systems	3
WM574 Web Application Patterns, Architectures and Frameworks	3
WM575 Ubiquitous Computing and Mobile Applications	3

Career after Graduation

Actuarial analyst Application analyst Business analyst
Data analyst Database administrator Systems developer
Information systems manager IT consultant UX analyst
IT technical support officer Multimedia programmer
Network engineer Systems analyst

Application Requirements

Hold a Bachelor degree or equivalent in Computing/ Computer Science, Information Technology, Information Systems, Computer Engineering or Software Engineering. Other related disciplines or degrees in different fields of science and engineering will be considered at the discretion of the Program Committee.

Document Requirements

- Photos 1-inch image x 3.
- Bachelor degree certificate and transcript.
- A copy of the Thai identity card or passport.
- A copy of the name change certificate (if any).
- English Language Proficiency Certificate/Test Score

Note: English test scores must meet the criteria set: TOEFL 500, IELTS 5.0, TOEIC 625 or CU-TEP 60. If the test results in English does not meet the criteria. Students can attend classes and take the SIU Advanced English, which is taught and organized by Shinawatra University as scheduled.