Contact Us

Graduate School

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Student Recruitment Unit

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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.

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 The course is designed to provide educational opportunities for graduates in any field of background knowledge.

Furthermore, we provide three different tracks including Plan A1: Thesis only, Plan A2: Coursework and Thesis, and Plan B: Coursework and Independent Study. Plan A1 provides extensive research opportunities for graduates whom would like to pursue Ph.D. or want to become researchers in the future. Plan A2 provides both research and coursework for those who might want to later pursuit 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

1-2 years

Total of Credits required

36 credits

Class Period

Monday-Friday between 18.00 - 21.00 hrs.

Program Structure

1)	**Plan A1**	**Thesis only**	**36**	**credits**
2)	**Plan A2**	**Coursework and Thesis**	**36**	**credits**
		Foundation courses	**no-crdiit**	
		- Core IT courses	12	credits
		- Elective courses	12	credits
		- Thesis	12	credits
		Total	**36**	**credits**
3)	**Plan B**	**Coursework and Independent Research Study**		
		Foundation courses	**no-crdiit**	
		- Core IT courses	12	credits
		- Elective courses	21	credits
		- Independence Study	3	credits
		Total	**36**	**credits**

Foundation courses **non-credits**

1303501 Computer Programming
1303502 Object Oriented Paradigm
1303503 Computer Networks and Internet Technologies

Core IT courses	**12**	**credits**
1303510 Advanced Database Technologies		3(3-0-9)
1303511 Management Information System		3(3-0-9)
1303512 Information Technology Project Management		3(3-0-9)
1303513 Research Methodology		3(3-0-9)

Free Elective courses **credits**

Entrepreneurship / IT management

1102504 Managing Financial and Investment	3(3-0-9)
1102506 Entrepreneurship and Innovation Management	3(3-0-9)
1303610 Technology Entrepreneurship	3(3-0-9)
1303611 Programming for Entrepreneurs	3(3-0-9)
1303612 Fundamentals of Information Assurance	3(3-0-9)

IT System / Business analysis

1303613 E-Business Technology and Development	3(3-0-9)
1303614 Data Management and Visualization	3(3-0-9)
1303615 Big Data Analytics	3(3-0-9)
1303616 Business Analytics and Data Mining	3(3-0-9)
1303617 Information System Security	3(3-0-9)
1303618 Special Topics on Information System	3(3-0-9)

Technology / Networking Technology and Security

1303619 Intelligent System Development	3(3-0-9)
1303620 Special Topics on Internet Technology	3(3-0-9)
1303621 Special Topics in Information Technology	3(3-0-9)
1303622 Artificial Intelligence	3(3-0-9)
1303623 Wireless Technologies	3(3-0-9)
1303624 Internet Security	3(3-0-9)

Software Development

1303625 Information System Development and Software Engineering	3(3-0-9)
1303626 Software Testing and Quality Assurance	3(3-0-9)
1303627 Software Engineering Management	3(3-0-9)
1303628 Software Development	3(3-0-9)

Others

1303629 Seminar in Information Technology	1(0-3-1)

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.