

Program Aims

In an age where algorithms may soon sit as legal members of a company's Board of Directors (outperforming their humanoid peers, naturally), our Doctor of Philosophy (international program) in Information Technology has been purposely developed to drive forward advances in IT, not only to keep pace with change but to reimagine change itself, ensuring individuals, organizations and nations have the potential to compete nationally and internationally.

Contact Us

Graduate School

197 Viphavadi-Rangsit Road
BBD Building (Viphavadi)
Samsen Nai, Phaya Thai
Bangkok 10400

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Student Recruitment Unit

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Sam Khok District
Pathum Thani 12160

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SIU recognizes that the age-old model of education - comprising an intensive surge at the start of our lives, supplemented by periodic company training in the workplace - is no longer relevant. With levels of on-the-job training shrinking to zero, individuals must learn how to learn; how to acquire new skills themselves; how to constantly regenerate. This program therefore aims to develop fluent thinking, flexible, innovative personnel who are technologically aware, yet with the social and cultural ethics along with ability to communicate in English that equips them for careers as professional researchers either in academia and/or industry.



**SHINAWATRA
UNIVERSITY**
FOSTERING INNOVATION

Doctor of Philosophy Program in Information Technology (International Program)



Doctor of Philosophy Program

in Information Technology (International Program)

Program Philosophy

The Doctor of Philosophy (PhD) in Information Technology (international program) strives to produce career researchers and academics competent to the highest global standards expected of personnel employed throughout the IT profession.

With a founding philosophy of continuous improvement and constant change propelled by excellence in research, our graduates from this program are of the highest caliber, who by cultivating new knowledge and innovative technologies, can go on to become a key resource for promoting the development and prosperity of any nation.

While recognizing a need to fully utilize existing resources in the present day context, we are equally aware that constant high speed innovation is now the only strategy that matters! The PhD international program at SIU is therefore designed to produce individuals with a passion for creativity, an energy and mind set not only for solving recognized problems with existing know-how, but capable of solving future problems by inventing new technologies to do so.

And because we fully appreciate that this cannot be achieved in isolation, our highly qualified and experienced faculty members actively maintain links with individuals, universities and businesses both in Thailand and internationally.

Program Duration

3 years

Total of Credits required

60 Credits

Program Expense

540,000 Baht

Class Period

Monday-Friday between 18.00 - 21.00 hrs.

Class Venue

Shinawatra University, Bangkok Building

Program Structure

| | |
|--|-------------------|
| Coursework and Thesis | 60 credits |
| - Information Technology Courses | 12 credits |
| - Thesis | 48 credits |
| Information Technology Courses | 12 credits |
| IT501 Foundation of Computing | 3 credits |
| or IT512 Systems Optimization Techniques | 3 credits |
| IT611 Research Methodology | 3 credits |
| DP514 Selected Topic | 3 credits |
| DP621 Special Study | 3 credits |

Remark: DP514 can be selected form the following course:

| | |
|--|---|
| IT502 Data Structures and Algorithms: Object-Oriented Approach | 3 |
| IT523 Information Systems Development and Software Engineering | 3 |
| IT511 Computer Architecture and Operating Systems | 3 |
| IT603 Special Topics in Information Technology | 3 |
| IT512 Computer Networks and Internet Technologies | 3 |
| IT571 Computer Network Design and Management | 3 |
| IT521 Database Systems and Database Design | 3 |
| IT572 Advanced Database Technologies and Database Administrations | 3 |
| IT522 Management Information Systems | 3 |
| IT573 Information Technology Project Management | 3 |
| IT574 System Security and Audit | 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 | 3 |

Application Requirements

Hold a Bachelor degree (or equivalent) and a Master 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.
- Degree certificates and transcripts.
- 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.

Career after Graduation

- Researchers
- College professors
- Chief information officer
- Chief technology officer
- Director of systems development
- Director of information technology operations, etc.