Doctor of Philosophy Program in Information Technology (English Program)

COLLEGE OF DIGITAL INNOVATION TECHNOLOGY

RANGSIT UNIVERSITY

Doctor of Philosophy Program in Information Technology
(English Program)

Degree : Doctor of Philosophy Program in Information Technology

         : Ph.D. (Information Technology)

Entry Requirement

1. Thai or international students.

2. The applicant must hold a master's degree or its equivalent in a field recognized by the Ministry of Higher Education, Science, Research, and Innovation or the Office of the Civil Service Commission.

3. The applicant's cumulative grade point average must be at least 3.5 on a 4.00 scale. The applicant must graduate with a master's degree on thesis plan or have a published article.

4. There are no significant infectious or chronic illnesses identified by specialists as impeding the research or endangering the health of others.

5. The applicant must not be crazy and must not be infected with a significant infectious disease or any other ailment that society finds repulsive.

6. Except for the act of carelessness, the applicant has never been convicted of a crime.

7. The candidate has never demonstrated any negative conduct.

8. The applicant's English proficiency must fulfill the graduate school's announced English language competence criteria.

Structure of the Program

Plan 1 48 credits

The program requires a total of 48 credits to complete the degree.

     Plan 1.1 (Thesis only for master students)   48 credits

Plan 2 48 credits

The program requires a total of 48 credits to complete the degree. The student may select one of the two program's plans

     Plan 2.1 (Courses with thesis for master students) 48 credits

         1) Fundamental Courses   (non-accumulated credit)

         2) Core Courses   3 credits

         3) Elective Courses   9 credits

         4) Thesis   36 credits

Plan 2.2 (Courses with thesis for bachelor students) 72 credits

    1) Fundamental Courses   (non-accumulated credit)

    2) Core Courses   3 credits

    3) Elective Courses   21 credits

    4) Thesis   48 credits

Students must enroll in a foundational English language course and register for additional foundation courses as specified in Rangsit University's notification about the English Language skills placement exam. The director or program committees will examine introductory courses based on the applicant's bachelor's degree transcript. Students enrolled in English language foundation courses must pass an English placement test. Students who do not pass the English placement test must take an additional foundation course in English. Fundamental courses do not contribute toward the program's credits and are evaluated using the S/U (satisfied/unsatisfied) system.

Fundamental Courses

The student must take the following courses.

	Credits(Lecture-Lab-Self Study)
ENL600 Preparatory English for Graduate Students	3(3-0-6)
ENL601 English for Academic Presentations	3(3-0-6)
DIT701 Research Methodology	3(3-0-6)
DIT702 Object-Oriented Design and Programming	3(3-0-6)
DIT703 Data Communications and Computer Networks	3(3-0-6)
DIT704 (Database Management Systems)	3(3-0-6)
DIT705 Artificial Intelligence	3(3-0-6)

Core Courses (18 Credits)

The student must take the following courses.

Course No. Course Name	Credits
For all plans	
DIT790 Qualifying Examination	0(0-0-0)
For plan 2.1 and 2.2	
DIT 709 Advanced Research Methodology	3(3-0-6)

Elective Courses

For plan 2.1 must take 9 credits of the following courses.

For plan 2.2 must take 21 credits of the following courses.

Students must select 3 elective groups of 4 elective groups from the following courses.

1. Information Technology Group

Course No. Course Name	Credits
DIT711 Mathematics for Information Technology Research	3(3-0-6)
DIT712 Information Technology Governance Systems	3(3-0-6)
DIT713 Pattern Recognition	3(3-0-6)
DIT714 Selected Topics in Advanced Multimedia Systems	3(3-0-6)
DIT715 Selected Topics in Advanced E-Commerce Systems	3(3-0-6)
DIT716 Selected Topics in Information Systems	3(3-0-6)

2. Networks and Communication Group

Course No. Course Name	Credits
DIT721 Signals and Systems	3(3-0-6)
DIT722 Advanced Network Security	3(3-0-6)
DIT723 Advanced Network Engineering	3(3-0-6)
DIT724 Advanced Wireless Communications	3(3-0-6)
DIT725 Selected Topics in Advanced Telecommunication Technology	3(3-0-6)

3. Systems and Software Group

Course No. Course Name	Credits
DIT731 Advanced Software Engineering	3(3-0-6)
DIT732 Concurrent Computing Systems	3(3-0-6)
DIT733 Software System Architectures	3(3-0-6)
DIT734 Advanced Operating Systems	3(3-0-6)
DIT735 Selected Topics in Advanced Database Systems	3(3-0-6)
DIT736 Selected Topics in Information Technology Software	3(3-0-6)
DIT737 Selected Topics in Computer Systems	3(3-0-6)

4. Knowledge Group

Course No. Course Name	Credits
DIT741 Digital Image Processing	3(3-0-6)
DIT742 Advanced Research in Artificial Intelligence	3(3-0-6)
DIT743 Machine Learning	3(3-0-6)
DIT744 Advanced Expert Systems	3(3-0-6)
DIT745 Selected Topics in Advanced Knowledge-Based Management Systems)	3(3-0-6)
DIT746 Selected Topics in Artificial Intelligence Systems	3(3-0-6)

Thesis / Independent Studies

The student must take the following courses.

Course No. Course Name	Credits
DIT791 Dissertation (Plan 1.1)	48(0-96-48)
DIT792 Dissertation (Plan 2.1)	36(0-72-36)
DIT793 Dissertation (Plan 2.2)	48(0-96-48)

Study Plan

Year 1	
Plan 1.1, 2.1, and 2.2	
First Semester	
For plan 1.1	
DIT791 Dissertation (Plan 1.1)	6(0-12-6)
For plan 2.1 and 2.2	
DIT 709 Advanced Research Methodology	3(3-0-6)
DITxxx Elective Courses	3(3-2-7)
	Total 6 Credits
Second Semester	
For plan 1.1	
DIT791 Dissertation (Plan 1.1)	6(0-12-6)
For plan 2.1 and 2.2	
DITxxx Elective Courses	3(3-0-6)
DITxxx Elective Courses	3(3-2-7)
	Total 6 Credits

Year 2
Plan 1.1, 2.1, and 2.2

First Semester

For plan 1.1

DIT791 Dissertation (Plan 1.1)	12 (0-12-6)
	Total 12 Credits

For plan 2.1

DIT790 Qualifying Examination	
0(0-0-0)	
DIT792 Dissertation	9(0-72-36)
	Total 9 Credits

For plan 2.2

DITxxx Elective Courses	3(3-0-6)
DITxxx Elective Courses	3(3-2-7)
	Total 6 Credits

Second Semester

For plan 1.1

DIT791 Dissertation (Plan 1.1)	12 (0-12-6)
	Total 12 Credits

For plan 2.1

DIT790 Qualifying Examination	
0(0-0-0)	
DIT792 Dissertation	9(0-72-36)
	Total 9 Credits

For plan 2.2

DITxxx Elective Courses	3(3-0-6)
DITxxx Elective Courses	3(3-2-7)
	Total 6 Credits

Year 3
Plan 1.1, 2.1, and 2.2

First Semester

For plan 1.1

DIT791 Dissertation (Plan 1.1)   12 (0-12-6)

Total 12 Credits

For plan 2.2

DIT792 Dissertation   9(0-72-36)

Total 9 Credits

For plan 2.2

DIT793 Dissertation   12(0-72-36)

Total 12 Credits

Second Semester

For plan 1.1

DIT791 Dissertation (Plan 1.1)   12 (0-12-6)

Total 12 Credits

For plan 2.2

DIT792 Dissertation   9(0-72-36)

Total 9 Credits

For plan 2.2

DIT793 Dissertation   12(0-72-36)

Total 12 Credits

Fourth Years
Plan 1.1, 2.1, and 2.2

First Semester

For plan 2.2

DIT793 Dissertation   12(0-72-36)

Total 12 Credits

Second Semester

For plan 2.2

DIT793 Dissertation   12(0-72-36)

Total 12 Credits

TOTAL TUITION FEE   : 600,000 THB

1. Tuition fees 100,000 THB/semester
2. Application fee 515 THB

CONTACT US

COLLEGE OF DIGITAL INNOVATION TECHNOLOGY

RANGSIT UNIVERSITY

52/347 Muang-Ake, Phaholyothin Road, Lak-Hok, Amphoe Muang, Pathumthani 12000, Thailand.

Telephone: +66 (0)2 791 6000 ext 4069

https://it.rsu.ac.th/th/phdit

facebook.com/ditrsu

e-mail: grad.phd.it@rsu.ac.th