Ph.D. CS
DOCTOR OF PHILOSOPHY IN COMPUTER SCIENCE

3-YEAR PROGRAM
THESIS OPTIONS (DISSERTATION)

The Doctor of Philosophy Program in Computer Science will serve to
- Propare researchers in the field of computer science who are capable of developing new computing technology.
- Produce highly knowledgeable university Instructors in the field of computer science whose in-depth understanding of the knowledge critical thinking, and ability to assimilate new knowledge into their instruction will lead to the development of high quality computer scientists.

Study at Hua Mak Campus

ADMISSION SCHEDULE 2017 / 2018

Admission Schedule	Semester 1/2017 (August - December 2017)	Semester 2/2017 (January - May 2018)	Semester 1/2018 (August - December 2018)	Semester 2/2018 (January - May 2019)
Application Filling Period	July 21, 2017	December 16, 2017	July 21, 2018	December 15, 2018
AU English proficiency Test	July 22, 2017	December 17, 2017	July 22, 2018	December 16, 2018
Examination Interview	July 22, 2017	December 20, 2017	July 24, 2018	December 18, 2018
AU Entrance Results	July 24, 2017	December 23, 2017	July 26, 2018	December 20, 2018
Registration Period	July 26 - August 11, 2017	January 3-13, 2018	July 30 - August 11, 2018	January 7-14, 2019
Instruction Begins	August 7, 2017	January 8, 2018	August 7, 2018	January 7, 2019

ADMISSION REQUIREMENTS
QUALIFICATION FOR ADMISSION

Admission to the program is granted to applicants with:
1. Master's degree in Computer Science or equivalent, or in other related technical fields, from the institutions accredited by the Ministry of Education, Thailand or by the official accreditation organization of the country where the institution is based.
2. GPA of at least 3.25 on a scale of 4.0, or equivalent
3. TOEFL score of at last 550 or IELTS score of least 6.0 or pass the English Proficiency Examination
4. Three recommendation letters from lecturers or employers

ENTRANCE REQUIREMENTS
1. A completed application form
2. Official transcript of the previous university attended (2 copies)
3. Bachelor's degree certificate (2 copies)
4. Citizen Identification Card and Residence Registration - For Thai Applicants (2 copies)
5. Passport - For Non-Thai Applicants (2 copies)
6. Photographs formal attire, not in graduation gown (Six, 1x1-inch size)
7. Letter of recommendation from former instructors or employers at the time of the application (2 letters)

Note: All documents must be endorsed with signature and submitted in person within the last day application period. Otherwise, the application will not be considered and the applicant will not be allowed for the Admission interview.

DURATION: 3 years

ADMISSION FEE

Admission Fee	Baht	500
AU English Proficiency Test and Interview	Baht	500

STUDY SYSTEM
1st semester	August - December
2nd semester	January - May

VENUE & CLASS HOURS
» **Hua Mak Campus,** Ramkhamhaeng 24 Road
Mon. - Fri.	6.30 P.M. - 9.30 P.M.
Sat. - Sun.	9.00 A.M. - 5.00 P.M.

EXEMPTION
The AU English Proficiency Test can be exempted depending on which of the following conditions you satisfy.
- a TOEFL score of (iBT) 90 or an IELTS (Academic) score of at least 6.5 (Validation: Two years)
- a Bachelor's degree or a higher degree from native English speaking countries (e.g. USA, Canada, UK, and New Zealand)

GRADUATION REQUIREMENTS
Type 2.1: Coursework and Dissertation
- Have completed all the courses of the curriculum
- Have obtained a cumulative grade point average of at least 3.00
- Have passed the proficiency test of English
- Have passed the qualifying examination
- Have passed the dissertation defense
- Have a publication or obtain an acceptance of a publication related to the content of the dissertation in a journal which has peer review and which is approved by the Academi Committee of the department
- Have obtained library and financial clearance from the University
- Have demonstrated good behavior and discipline

APPLICATIONS
Hua Mak Campus
Admissions Center "P" Building, 1st floor,
Ramkhamhaeng 24 Road, Bangkok 10240 Thailand
Office hours:
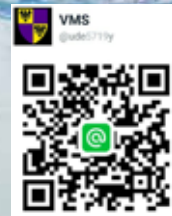|	
Monday – Friday	08:30 A.M. - 05:00 P.M.
Saturday	08:00 A.M. - 04:30 P.M.
Sunday	08:00 A.M. - 02:00 P.M.

ABAC City Campus
ABAC City Campus, ZEN @Central World, Level 14
4,4/5 Rajdamri Rd., Phatumwan
Bangkok 10330 Thailand
Office hours:
Monday - Friday	10:00 A.M. to 06:00 P.M.
Saturday - Sunday	10:00 A.M. to 06:00 P.M.

Suvarnabhumi Campus
Admissions Center SM115,
88 Moo 8 Bang Na-Trad Km.26, Bangsangthong,
Samuthprakarn, Thailand 10540
Office hours:
Monday - Friday	08:30 A.M. to 05:00 P.M.

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CURRICULUM STRUCTURE

Foundation Courses	Non-credits
Remedial Courses	Non-credits
Elective Courses	12 credits
Dissertation	36 credits
Total	**48 credits**

STUDY PLAN

FIRST YEAR

FIRST SEMESTER
Three Elective Courses

SECOND SEMESTER
One Elective Course
Qualifying Examination

SECOND YEAR

FIRST SEMESTER
SC9000 Dissertation

SECOND SEMESTER
SC9000 Dissertation
Prospectus Examination

THIRD YEAR

FIRST SEMESTER
SC9000 Dissertation

SECOND SEMESTER
SC9000 Dissertation
Dissertation Examination

COURSES

FOUNDATION COURSES
SC6210 Principles of the Theory of Computation
SC6212 Programming Languages and Compiler
SC6222 Operating Systems Theory
SC6221 Principles of Database Management Systems
SC6231 Advanced Computer Architectures
SC6310 Design and Analysis of Algorithms

ELECTIVE COURSES
SC 8310 Randomized Algorithms
SC 8311 Parallel Algorithms
SC 8312 Distributed Algorithms
SC 8313 Computational Geometry
SC 8314 Information and Coding Theory
SC 8315 Switching and Automata Theory
SC 8321 Pattern Recognition and Machine Learning
SC 8322 Image Processing
SC 8324 Natural Language Processing
SC 8325 Computer-Control Based Robotics and Automation Systems
SC 8350 Computer and Data Security
SC 8351 Relational Databases
SC 8352 Computer Systems Performance Evaluation
SC 8353 Real-Time Software Systems
SC 8354 Advance Computer Communications
SC 8370 Doctoral Seminar in Computer Science
SC 8391 Data Mining
SC 8405 Applied Computational Intelligence
SC 8380-99 Advanced Topics in Computer Science

DISSERTATION
SC 9000 Dissertation

ESTIMATED FEES

Fee Description	3-Years (6 Semesters)	
Enrollment Fees:	THB	US$
Matriculation Fee (Thai Students)	9,000	273
Matriculation Fee (non-Thai Students)	21,500	652
Student's Activity Fee	7,000	213
Registration Fees		
Tuition Fee (THB 7,000 x 48 credits)	336,000	10,182
University Fee (THB 19,900 x 6 Semesters)	119,400	3,618
Annual Internet & Access Control Fee (THB 2,400/Year)	7,200	219
Annual Health & Life Insurance Fee (non-Thai Students, THB 5,000/Year)	15,000	455
Approximate Total for Thai Students	**478,600**	**14,503**
Approximate Total for non-Thai Students	**506,100**	**15,337**

Note:
1. Tuition fee doesn't cover the followings:
   - Admission fee
   - Text books
   - AU Academic Writing Course (15,000 THB)
   - Tuition fee for non-credit courses
   - Thesis Final Defense
2. The fees are subject to change at the university's discretion without prior notice.
3. Currency exchange rate: US $1 = THB 33

IMPORTANT

The provisional information statements set forth in this catalog should not be construed as the basis of any contract between a student and this institution. As such Assumption University reserves the right to change any provision listed in this catalog, including, but not limited to academic requirements for graduation. Every effort through the Office of Graduate Studies, will be made to keep students advised of any such changes.

The University Registrar

Last updated: October 2017