M.S. CS
MASTER OF SCIENCE IN COMPUTER SCIENCE

GRADUATE SCHOOL OF SCIENCE AND TECHNOLOGY

M.S. COURSES
- Required Courses
  1. CS 5211 Computer Programming & Data Structure
- Elective Courses
  1. CS 5222 Operating Systems Theory
  2. CS 5223 Advanced Amy Computer Architectures

ADMISSION SCHEDULE 2014/2015

<table>
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<th>Application Deadline</th>
<th>April 30, 2014</th>
<th>December 31, 2014</th>
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<tr>
<td>Registration period</td>
<td>April 26 - May 4, 2014</td>
<td>April 26 - May 4, 2014</td>
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<tr>
<td>Instruction begins</td>
<td>May 5, 2014</td>
<td>May 5, 2014</td>
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STUDY PLAN

Thesis Option (Plan A)

- Required Courses
- Elective Courses
- Thesis

Non-Thesis Option (Plan B)

- Required Courses
- Elective Courses
- Project

CURRICULUM
Preparatory Courses
- ES 3501 English for Graduate Study
- SC 3311 Computer Programming & Data Structure

Required Courses
- SC 6801 Research Planning & Management
- SC 6210 Principles of the Theory of Computation
- SC 6212 Programming Languages and Compiler
- SC 6221 Principles of Database Management Systems
- SC 6222 Operating Systems Theory
- SC 6231 Advanced Computer Architectures

Elective Courses
- SC 6310 Design and Analysis of Algorithms
- SC 6313 Combinatorics & Graph Theory
- SC 6314 Computer Graphics and Animation
- SC 6320 Network Security & Internet Security
- SC 6332 Information Retrieval
- SC 6333 Software Engineering
- SC 6335 Object-Oriented Paradigm
- SC 6336 Grid Computing
- SC 6360 Artificial Intelligence
- SC 6361 Computational Intelligence
- SC 6362 Data Mining
- SC 6363 Knowledge Engineering and Uncertainty
- SC 6364 Database Management
- SC 6365 Natural Language Understanding and Processing
- SC 6399 Graduate Seminar in Computer Science
- SC 6400-99 Directed Individual Study in Computer Science

Independent study

Special Admission Period

To accommodate AECC 2015, our semester system has been shifted in 2013, allowing a special admission by April 30, 2014.

Admission Deadline

April 30, 2014

Registration period

April 26 - May 4, 2014

Instruction begins

May 5, 2014

HOW TO APPLY

APPLICATION FORMS CAN BE DOWNLOADED FROM:
http://www.grad.ac.edu

APPLICATION FORMS ARE ALSO AVAILABLE AT:
M.S. Campus
Admissions Center, 1st Floor Building, 2nd Street, April-July, May-August

GRADUATION REQUIREMENTS

The M.S. program offers 2 study plans: thesis and non-thesis options, both requiring a completion of 36 credits, as well as the following graduation requirements:
- For thesis option (Plan A):
  - Must have passed a comprehensive examination.
- For non-thesis option (Plan B):
  - Must have completed 24 credits of coursework (3 credits each course)
  - Must have passed a thesis defense
  - Must be a student of the university

Admission Requirements

- Hold a bachelor degree in Computer Science or related fields from accredited academic institutions
- At least a GPA of 3.0
- Must have English proficiency. This can be either:
  - TOEFL (550 or 777)
  - IELTS (5.5 or higher)

For both Plan A & B Plan, the candidate must:
- Have completed their undergraduate studies with a minimum average of 3.0
- Have demonstrated good behavior and discipline
- Have cleaned all financial obligations

M.S. Campus

Ramkhamhaeng 24 Road Bangkok 10400 Thailand
Direct Line: 02 891 1528 - 9
Fax: 02 891 1571
E-mail: info@msc.ac.edu
www.msac.ac.edu

Why M.S.C. @ Assumption University?

At the Department of Computer Science, we believe in many things.

We believe in the science that creates positive impacts to our lives. We believe in nourishing creative minds while ensuring solid foundation of the knowledge is never compromised. We believe in the Compute Science that maintains its core values as it modernizes itself through time.

Our M.S.C. program is designed based on those beliefs. Our faculty are qualified experts in the field, both academically and industrially. Our curriculum, courses, and facilities are designed to foster creativity and innovative as students learn the core knowledge in theories and practices. And all these within a truly international environment.

HOW TO OFFER IT

DURATION: 2 YEARS

STUDY SYSTEM

1st semester: September - December
2nd semester: January - April
Summer: May - August

VENUE & CLASS HOURS

- M.S. Campus
  - Mon., Tue., 7:30 - 12:30 hrs.
  - Sat., Sun. 9:00 - 17:00 hrs.

GRADUATION REQUIREMENTS

The M.S. program offers 2 study plans: thesis and non-thesis options, both requiring a completion of 37 credits, and the following graduation requirements:
- For thesis option (Plan A):
  - Must have completed 24 credits of coursework (3 credits each course)
  - Must have passed a thesis defense
  - Must have the thesis published, or accepted for publication, in a journal or conference proceedings

For non-thesis option (Plan B):
- Must have completed 24 credits of coursework (3 credits each course)
- Must have passed a comprehensive examination
- Must have delivered a master project

Admission Requirements

- Hold a bachelor degree in Computer Science or related fields from accredited academic institutions
- At least a GPA of 3.0
- Must have English proficiency. This can be either:
  - TOEFL (550 or 777)
  - IELTS (5.5 or higher)

For both Plan A & B Plan, the candidate must:
- Have completed their undergraduate studies with a minimum average of 3.0
- Have demonstrated good behavior and discipline
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HUA MAK CAMPUS

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