

## Master of Science Program in Computing (International Program)

**Teaching Time:** Monday – Friday (normal office hours)

**Campus:** Full Time at College of Computing, Prince of Songkla University, Phuket Campus

**Application details:**

1. **Number of students** 10 persons

2. **Plan of study:** A1 and A2.

3. **Course Structure**

Course Structure	A Number of Credits	
	Plan A1	Plan A2
Credit	-	12
Audit	4	4
Thesis	36	24
<b>Total</b>	36	36

4. **Qualification of applicants:**

**Plan A1:**

Students applying for graduate study in the program must meet the following requirements:

1. Complete the bachelor of science in computing or other related bachelor degrees (for example, Computer Science, Computer Engineering, Information technology, Software Engineering) with at least 3.25/4.0 overall GPA **OR**
2. Complete the bachelor degree in the fields as described in Requirement 1 with at least 2.75/4.0 overall GPA **AND** have the research experience related to the computing fields or have a publication (journal or proceeding) or have a national academic award **OR**
3. Complete the bachelor degree in the fields as described in Requirement 1 with at least 3.00/4.0 overall GPA **AND** or have at least 2 years work experience in computing fields **AND**
4. Students must pass an English proficiency exam as determined by the Graduate School. Test results cannot be older than 2 years, counting from the commencement of studies at Prince of Songkla University. However, the program committee may request the applicant to pass an English proficiency exam within 1 year from commencement of studies.
5. In addition to the requirements listed above, the consideration will be based on the program committee and Prince of Songkla University Regulations for Graduate Studies.

**Plan A2:**

Students applying for graduate study in the program must meet the following requirements:

1. Complete the bachelor degree (earned at least 36 credits of course work related to the computing subjects) with at least 2.75/4.0 overall GPA **OR**
2. Complete the bachelor degree with at least 2.50/4.0 overall GPA **AND** have the research experience related to the computing fields or have a publication (journal or proceeding) or have a national award or have at least 2 years work experience in computing fields **OR**
3. Complete the bachelor degree (earned at least 36 credits of course work related to the computing subjects) **AND** have the research experience related to the computing fields or have a publication (journal or proceeding) or have a national award or have at least 2 years work experience in computing fields **AND**
4. Students must pass an English proficiency exam as determined by the Graduate School. Test results cannot be older than 2 years, counting from the commencement of studies at Prince of Songkla

University. However, the program committee may request the applicant to pass an English proficiency exam within 1 year from commencement of studies.

- In addition to the requirements listed above, the consideration will be based on the program committee and Prince of Songkla University Regulations for Graduate Studies.

Other requirements shall comply with Prince of Songkla University Regulations for Graduate Studies BE 2556. (<https://grad.psu.ac.th/en/current-student/regulations.html>)

#### 5. Application documents:

- Graduate school application Form
- A copy of a bachelor's degree certificate
- A copy of a bachelor's transcript
- A copy of the passport (only for non-Thai citizens)
- Two letters of recommendation from academic lecturers
- 1-2 pages of a research proposal
- Research papers or publications (only applicants with research experience or publication)
- A letter of work experience from the employer (only applicants with working experience)
- An acceptance letter from a prospective advisor (optional).
- A copy of one of the following certificates of English proficiency: TOEFL, IELTS, TOEIC, CU-TEP, TU-GET, or PSU-TEP (optional)

#### 6. Application timeline

Activity	Date and Time		Venue
	Semester 1	Semester 2	
1. Apply online	1 February - 15 June 2566	16 June – 30 October 2566	The college will advise applicants directly.
2. Announce qualified applicants for the interview	22 June 2566	9 November 2566	
3. Interview	29 June 2566	16 November 2566	
4. Announce the result and begin the enrolment	6 July 2566	23 November 2566	

**Note:** No paper examination.

## 7. Research areas and topics:

**Software Engineering** Topics include, but are not limited to:

1. Agile Software Development
2. Software Architecture and Design
3. Empirical Software Engineering
4. Software Process Improvement
5. Software Maintenance
6. Formal Engineering
7. Formal Modeling and Specification)
8. Software Verification and Validation
9. Model-based Testing

**Digital Media** Topics include, but are not limited to:

1. Serious Games
2. Interactive Media
3. Physics-based Animation
4. Human-Computer Interaction
5. Mobile Application
6. Architectural Visualization
7. Augmented and Virtual Reality

**Artificial Intelligence** Topics include, but are not limited to:

1. Computer Vision
2. Natural Language Processing
3. Knowledge Representation
4. Machine Learning
5. Expert System
6. Robotics
7. Text Mining

**Computer Networking** Topics include, but are not limited to:

1. Mobile Ad-hoc Networks
2. Wireless Sensor Networks
3. Network Mobility
4. Integration of Mobile Ad-hoc Networks and Network Mobility
5. Vehicular Networking
6. Virtual Networks
7. Internet of Things

**Database Systems** Topics include, but are not limited to:

1. Data Mining
2. Data Warehouse
3. Distributed Database
4. Big Data

**Cloud Computing** Topics include, but are not limited to:

1. Cloud Computing Architecture
2. Traffic Management for Cloud Computing
3. Cloud Computing Applications
4. Mobile Cloud Computing

**Knowledge Management** Topics include, but are not limited to:

1. Information Management
2. Information Retrieval
3. Information Extraction

**8. Contact persons:**

8.1 Dr.Jakapan Suaboot E-mail: jakapan.su@phuket.psu.ac.th

8.2 Asst. Prof. Dr. Warodom Werapun E-mail: warodom.w@phuket.psu.ac.th

**9. Foreigner Tuition fee** 118,000 Bath/semester

**10. Useful links:**

10.1 Scholarship application form:

<https://computing.psu.ac.th/th/wp-content/uploads/2017/10/CoC-ScholarshipApplication.pdf>

10.2 List of supervisors:

<https://www.computing.psu.ac.th/en/supervisor/>