Faculty of Science

Department of Computer Science

Curriculum Title: Master of Science Program in Computer Science

Curriculum Description (briefly introduce an overview of the curriculum offered)

The Master of Science (MSc) Program in Computer Science provides a comprehensive curriculum that allows students to gain theoretical knowledge and practical skills in computing and applications. The MSc curriculum in Computer Science has three tracks: Research-Based Plan, Thesis Plan and Minor-Thesis Plan. The Research-Based Plan is designed to prepare students for a computer science research career. The Thesis and Minor-Thesis Plans are designed to prepare students for both computing and research skills with core courses and elective courses. Research practice and courses taken would build students’ competency to work in computing career as well as for further PhD studies.

Type of Program

☑ Regular Program (Monday- Friday)
□ Regular Program (Monday- Friday) and International Program
□ Special Program (Saturday-Sunday)

Dissertation Themes:
Research is divided into four groups:
2. Artificial Intelligence Research Group: Neural Networks, Natural Language Processing, Robotics, Computational Biology, and Machine Learning

Prospective students (provide the background and previous education of the student who wants to study e.g. the Bachelor degree gained.)

1. Hold a Bachelor's degree in Computer Science, Computer Engineering, Information Technology or equivalent disciplines or hold a degree in other disciplines with GPA not less than 2.50; in case, GPA less than 2.50, an applicant should have experience in computing positions not less than 1 year recommended by an organizational supervisor.

2. Students should have background knowledge in Mathematics at least 6 credits approved by recruitment committees.
Prospective advisors

<table>
<thead>
<tr>
<th>Names</th>
<th>Research Interest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assoc. Prof. Dr. Sathit Intajag</td>
<td>Soft Computing, Statistical Signal Processing, Image Processing</td>
</tr>
<tr>
<td>Asst. Prof. Dr. Pattara Aiyarak</td>
<td>Embedded System, Artificial Intelligence</td>
</tr>
<tr>
<td>Asst. Prof. Dr. Amnart Pohthong</td>
<td>Software Engineering, Information and Knowledge Management</td>
</tr>
<tr>
<td>Asst. Prof. Dr. Supaporn Kansomkeat</td>
<td>Software Engineering, Software Testing</td>
</tr>
<tr>
<td>Dr. Pennee Wangmeteekul</td>
<td>Timetabling Problems Solving, Distributed Problems Solving</td>
</tr>
</tbody>
</table>

(More information are provided in the Thesis Advisor Profile)

Contact Information

- Head of the Program: Asst. Prof. Dr. Supaporn Kansomkeat
  E-mail: supaporn.k@psu.ac.th, Telephone number: +66(0) 7428 8594.
- Head of Computer Science Department: Asst. Prof. Dr. Amnart Pohthong
  E-mail: amnart.p@psu.ac.th, Telephone number: +66(0) 7428 8580.

Department of Computer Science, Faculty of Science, Prince of Songkla University-Hat Yai Campus, Hat Yai, Songkhla, Thailand.
Thesis Advisor Profile  
Master of Science Program in Computer Science

1. **Assoc. Prof. Dr. Sathit Intajag**  
Ph.D. (Electrical Engineering), King Mongkut Institute of Technology Ladkrabang, Thailand.  
E-mail: sathit.i@psu.ac.th

**Research Publication**:


2. **Asst. Prof. Dr. Pattara Aiyarak**

Ph.D. (Physics), University of Essex, UK.

E-mail: pattara.a@psu.ac.th

Research Publication:


Research Interest: Embedded System, Artificial Intelligence.

3. **Asst. Prof. Dr. Supaporn Kansomkeat**

Ph.D. (Computer Engineering), Chulalongkorn University, Thailand.

E-mail: supaporn.k@psu.ac.th

Research Publication:


Research Interest : Software Engineering, Software Testing.

4. **Asst. Prof. Dr. Amnart Pohthong**

Ph.D. (Computer Science), KEELE University, UK.

E-mail : amnart.p@psu.ac.th

Research Publication :


Research Interest : Software Engineering, Information and knowledge Management.
5. **Dr. Pennee Wangmeeteekul**

Ph.D. (Computer Science), Durham University, UK.

E-mail: pennee.wa@psu.ac.th

**Research Publication:**


(3) สันติวัฒน์ วัฒนา, ปณิธาน พูลสวัสดิ์ และเพ็ญณี หวังเมธีกุล, 20-21 กุมภาพันธ์, 2557, “ระบบจัดการสมาชิกชุมชนเครือข่ายผู้ปฏิบัติงาน IT กรณีศึกษา มหาวิทยาลัยสงขลานครินทร์”, Proceedings of the 2nd ASEAN Undergraduate Conference in Computing, Sripatum University, Thailand, pp. 901-907.

**Research Interest:** Timetabling Problems Solving, Distributed Problems Solving.