



## BSc (Hons) Computer Science (Software Engineering)

(N/0613/6/0003)(04/27)(MOA/PA15606)

### About BSc (Hons) Computer Science (Software Engineering)

Computing and software development are the driving forces behind the world's technological advancements. From enhancing how we live and learn to revolutionising industries and saving lives, these fields are at the core of innovation. This course blends computer science, software engineering, and information systems to equip you with the in-demand skills that employers seek in today's rapidly evolving tech landscape.

#### – Study Mode / Duration

Full-time (3.3 years)

#### – Delivery Location

The Ship Campus, Penang

#### – Intakes

June, September





Approx. RM 47,000

### – Entry Requirements\*

- Foundation studies min. CGPA 2.00 and credit in Add Maths at SPM level
- STPM (Science Stream) pass with a minimum Grade of C (GP 2.00) in Mathematics subject and ONE (1) Science / ICT subject
- STPM (Arts Stream) pass with C (CGPA 2.0) in any 2 subjects and credit in Add Maths at SPM level.
- A-Levels BCC (UCAS Tariff 104-120)
- UEC pass with B6 in 5 Subjects incl. Add Maths & Pass in English and equivalent qualification
- Diploma in Computing fields or its equivalent with a minimum CGPA of 2.50.
- Any Diploma in Science and Technology with a minimum CGPA of 2.75, and Add Maths at SPM level.
- Additional English Requirements, CEFR – B2 / GCE-O 1119 – C / MUET Band 4 / IELTS 6.0

### – Career Prospects

- Data Analyst
- Data Engineer
- Web Developer
- Analyst Programmer
- Embedded System Engineer

### – Programme Highlights

- 3+0 Degree in Collaboration with University of Plymouth

## Programme Structure

### Year 1

- Software Engineering 1
- Computer Systems
- Computing Practice 1
- Cyber Security & Networks
- Algorithms, Data Structures & Mathematics
- Computing Practice 2

### Year 2

- Software Engineering 2
- Information Management & Retrieval
- Computing Group Project 1
- Artificial Intelligence
- Software Development Tools and Practices
- Computing Group Project 2

### Year 3

- Computing Project Management
- Full Stack Development
- Computing Project
- HCI, Usability & Visualisation
- Big Data Analytics
- Industrial Training

### Compulsory Subjects

- Penghayatan Etika dan Peradaban / Bahasa Melayu Komunikasi 2\*
- Creative Problem Solving / Bahasa Kebangsaan A\*\*
- Philosophy and Current Issues



## Integrity and Anti-corruption / Sustainability Awareness in Malaysia

### Community Service 2

*Changes to the programme structure are at Peninsula College Georgetown's discretion as approved by MQA*

\* for international students only.

\*\* for individuals who did not meet the minimum grade C in their SPM results or hold equivalent qualifications from other examinations.



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# PENINSULA

## C O L L E G E

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