BEng (Hons) Software Engineering

Year 01

- Computer Architecture and Operating System Design
- Algorithms & Programming Concepts
- Networks & Communications
- Software Development
- Data and Distributed Systems
- Cloud & Cyber

Year 02

- Professional Practice & Project Management
- Interface Design and User Experience
- Advanced Programming
- Web Development
- Mobile Application Development
- Cloud Infrastructure & Design

Industry Placement up to 01 Year

Final Year

- Dissertation
- Negotiated studies
- Computer Vision
- Advanced Data Science
- Natural Language Processing

Career Opportunities

- You will be able to commence your career as an Associate Software Engineer, Application Developer, Web Engineer, Web Developer or Quality Assurance Engineer. You will progress through your career in job roles such as Technical Lead and Software Architect leading to senior positions associated with influencing the technology direction of an enterprise or industry.

*"Lead the way as a **Software Engineer.**"*

A·P·I·I·T
Inspire love for learning

APIIT Sri Lanka is a reputable higher education institution established in partnership with the University of Staffordshire in the UK. APIIT also has academic liaisons with prestigious universities from Australia, Malaysia and Thailand.

COLOMBO
0765 788 788
- 388, Union Place, Colombo 2, Sri Lanka.

KANDY
0773 577 877
- 542, Peradeniya Road, Kandy, Sri Lanka.

www.apiit.lk

SCHOOL OF
COMPUTING

BSc (Hons) Computer Science

Year 01
- Computer Architecture and Operating Systems Design
- Algorithms & Programming Concepts
- Networks & Communications
- Software Development
- Data and Distributed Systems
- Cloud & Cyber

Year 02
- Professional Practice & Project Management
- Cloud Infrastructure & Design
- Data Analytics
- Hardware, Micro-Controllers and Sensors
- Interface Design and User Experience
- Optional module 01

Industry Placement up to 01 Year

Final Year
- Dissertation
- Negotiated studies
- Data Science and Databases
- Computer Graphics
- Optional module 01

Career Opportunities
- You will learn through lectures, tutorials and workshops. Lectures are highly interactive and incorporate group discussions, video presentations, and activity-based learning. Learning activities are designed to develop soft skills as well as your ability to work independently and as part of a group. Your learning experience will be enriched by field visits and guest lectures by industry experts.

BSc (Hons) Artificial Intelligence

Year 01
- Computer Architecture and Operating Systems Design
- Algorithms & Programming Concepts
- Networks & Communications
- Applications of AI
- Data and Distributed Systems
- Cloud & Cyber

Year 02
- Professional Practice and Project Management
- Artificial Intelligence
- Data Structures and Algorithms
- Data Analytics
- Advanced Machine Learning
- Problem Solving using Object Oriented Programming

Industry Placement up to 01 Year

Final Year
- Dissertation
- Negotiated studies
- Data Science and Databases
- Computer Graphics
- Optional module 01

Career Opportunities
- You will be well-prepared to begin your career in roles such as AI Engineer, Machine Learning Developer, Data Analyst, AI-Application Developer, or Software Engineer. These roles will allow you to apply AI techniques, develop intelligent systems, and solve real-world problems across various industries.

BSc (Hons) Cyber Security

Year 01
- Computer Architecture and Operating Systems Design
- Algorithms & Programming Concepts
- Networks & Communications
- Applications of AI
- Data and Distributed Systems
- Cloud & Cyber

Year 02
- Professional Practice & Project Management
- Ethical Hacking
- Data Analytics
- Cloud Infrastructure and Design
- Digital Forensics Fundamentals
- Cyber Security

Industry Placement up to 01 Year

Final Year
- Dissertation
- Negotiated studies
- Cryptography and AI
- Low-Level, Hardware, and IOT Security
- Network and Infrastructure Security

Career Opportunities
- You will be able to commence your career as a Information Security Analyst, Ethical Hacker, Computer Forensics Analyst, Chief Information Security Officer, Penetration Tester and progress onto job roles as an IT Security Consultant, Information Security Engineer and Systems Security Administrator.

*"Unleash your potential as a **Computer Scientist.**"*