JUACS: Program schedule

The program consists of ten 7-week programs including 2 terms internship/capstone. In each term, two courses will be offered. Students who successfully pass all courses and complete their internship/capstone will be issued an associate degree of applied computer sciences (pending accreditation).

For each of the offered courses, students will have to watch/review the course content (e.g., video lectures and quizzes) at a time of their choosing and at their own pace; more specifically, each week, students must cover a specific course content. Students need to attend two synchronous sessions of 1.5 hours per course. These sessions are run by experienced teaching assistants to help students understand and apply principles of the course content covered during the week.

Courses	Period
• *CS01 Programming I* • *CM01 Oral Technical Communication*	October 2023 – November 2023
• *MT01 Mathematics for programming* • *CS02 Programming II*	December 2023 – January 2024
• *CM02 Written Technical Communication* • *CS03 Data structures*	February 2024 – March 2024
• *CS04 Algorithms* • *CS05 Databases*	April 2024- May 2024
• *CS06 Computer Organization and Operating systems* • *CS07 Programming III (Software engineering track)* • *CS08 Probability and statistics (Data sciences track)* • *CS09 Computer Networks (Cybersecurity track)*	June 2024 - July 2024

Courses	Period

Software Engineering Track
 	
 • *SE01 Modern Software engineering*
 • *SE02 Back-end software development*
    Data Science track
 • *DS1 Data Analytics*
 • *DS2 Introduction to Machine Learning*
    Cybersecurity Track
 • *CSE01 Introduction to Information security*
 • *CSE02 Digital Forensics and Incident Response*
	September 2024 - October 2024

Software Engineering Track • *SE03 Cloud and Mobile Application Development* • *SE04 Software Testing* **Data Science track** • *DS3 Big Data Processing* • *DS4 Data Visualisation* **Cybersecurity Track** • *CSE03 Network security* • *CSE4 Web security*	November 2024 - December 2024
Software Engineering Track • *SE05 DevOps* • *CA01 Preparation for Internship/Capstone g* **Data Science track** • *DS5 Applied Deep Learning* • *CA01 Preparation for Internship/Capstone* **Cybersecurity Track** • *CSE05 Ethical Hacking and Penetration testing* • *CA01 Preparation for Internship/Capstone*	January 2025 - February 2025
Capstone	March 2025 - June 2025