Programmes

University of London

Goldsmiths, University of London - BSc Computer Science

COURSE OUTLINE

Course Outline

BSc in Computer Science Course Structure:

To achieve a BSc in Computer Science, you need to accumulate a total of 360 credits. The course structure is organized into different levels, each consisting of compulsory and elective modules. You complete 23 modules to complete the BSc Computer Science.

Level 4:

- 8 Compulsory Modules

Level 5:

- 8 Compulsory Modules

Level 6:

- 6 Elective Modules (Choose from a range of options)

Final Project:

- Culmination of your studies, applying knowledge and skills gained throughout the course.

The specifics of each level and the available elective modules may vary depending on the university or program. The final project is a significant part of the degree, allowing you to demonstrate a comprehensive understanding of computer science and its applications.

BSc Computer Science Modules:

Level 4:

Computer Systems (Compulsory)
Programming (Compulsory)
Mathematical Concepts (Compulsory)
Web Development (Compulsory)
Databases (Compulsory)
Information Systems and Interaction (Compulsory)
Professional and Academic Skills (Compulsory)
Project (Compulsory)

Level 5:

9. Object-Oriented Programming (Compulsory)

Software Engineering (Compulsory)
Data Structures and Algorithms (Compulsory)
Computer Networks (Compulsory)
Operating Systems (Compulsory)
Graphics Programming (Optional)
Data Science (Optional)
Security and Cryptography (Optional)
Mobile App Development (Optional)

Level 6:

18. Group Project (Compulsory)

Computer Vision (Optional)
Machine Learning (Optional)
Advanced Web Technologies (Optional)

Network Applications (Optional)
Database Management Systems (Optional)

Specialisms:

- You can choose to specialise in a particular area by taking five compulsory specialist modules and an elective from any specialism. Specialism options may include areas like Artificial Intelligence, Cyber Security, etc