

Program Overview: Bachelor's Degree in Software Engineering

Year 1:

1. Principles of Programming
2. Architectures & Operating Systems
3. Building for the Web
4. Technology & Society
5. Computational Thinking
6. Developing Quality Software & Systems I
7. Developing Academic Practice
8. Introduction to Business
9. Introduction to Finance & Accounting
10. Introduction to Marketing
11. Managing People at Work
12. Business Information Systems

Year 2: *Compulsory Modules:*

1. Object-Oriented System Design
2. Systems Analysis & Design
3. Mobile & Web Technologies
4. Developing Quality Software & Systems II
5. Research and Professional Skills
6. Operations Management
7. Effective Communication Skills
8. Entrepreneurship
9. Work Experience
10. Effective Communication Skills

Optional Modules:

1. Multimedia & Interaction
2. Data & Knowledge Management
3. Networks & Communications
4. Law & Digital Security
5. Real-Time Computer Graphics

Year 3: Compulsory Modules:

1. Software Engineering Dissertation Project OR Development Project (BCS)
2. Advanced Programming
3. Professional & Ethical Issues in IT
4. Parallel & Distributed Systems
5. Project Management
6. Employer's Insight

Optional Modules:

1. Cyber Security and Cryptography
2. Advanced Multimedia
3. Computational Intelligence
4. Analytics & Business Intelligence
5. Creating Virtual Worlds Using the GPU
6. Advanced Web Programming