Information Technology

University
of Galway.ie

Information Technology

Why choose this course?

By studying Information Technology, you will develop the cognitive and applied skills needed for the design, application and support of computerised systems. Taken in combination with another Arts subject, the study of Information Technology provides a well-rounded, third level education, matching the needs of the information society and providing you with valuable vocational skills.

Course Overview

If you are inquisitive, creative, like problem solving, and want to understand more about how technology is used in our daily lives, then Information Technology at University of Galway is the perfect subject choice for you. Students taking this Information Technology course will investigate the design, development, and use of technologies in the modern world along with their social and economic impact.

Course Outline

In the first year of the GY101 Bachelor of Arts degree, students take Information Technology as one of three subjects. If you choose to progress with Information Technology to your final year, you will combine it with one other subject for your final degree.

Year One
- Introduction to the fundamentals of Information Technology and Computing
- Development of logical thinking and problem-solving skills
- Computer programming and internet applications skills
- Algorithms

Year Two
- Programming (OO Programming 1 and 2)
- Database Systems
- Web-based Information Systems
- Systems Analysis and Design
- Web Application Development

Final Year
- OO Programming 3
- Humanities Applications
- Final Year Project
  Options: Human Computer Interaction, Multimedia Development and Artificial Intelligence

Most of the Information Technology courses are complemented by both practical laboratory classes and assignments.

Career Opportunities

Taken in combination with another Arts subject, the study of Information Technology provides a well-rounded, third-level education, matching the needs of the information society and providing you with valuable vocational skills. Graduates from the BA programme have all the traditional BA employment avenues available to them, enhanced with a knowledge of computing.

Nationally and internationally, the computing and communications industries are experiencing phenomenal growth, with many different opportunities to develop a fulfilling career in the creative deployment of technology. Information Technology graduates can become the creators and innovators responsible for developing new uses, products, services, and art forms using the technical and inventive skills of technology. Students may also pursue postgraduate studies in the IT field and work in the design and development of technology in any industry sector.

Duration

3 years BA, full-time;
4 years BA (International), full-time

Average Intake

60

Find out more

School of Computer Science, University of Galway

Information Technology
+353 91 49 3143
computerscience@universityofgalway.ie
cs.universityofgalway.ie

Other Relevant Options
- GY125 Bachelor of Arts (Digital Arts and Technology)
- GY133 Bachelor of Arts Education (Computer Science and Mathematical Studies)

As well as the highly flexible BA (JointHonours) GY101, there are a selection of more specialised BA degrees, with individual CAO entry codes which focus on particular areas of study (Denominated BA Programmes—University of Galway) including Information Technology.

University
ofGalway.ie