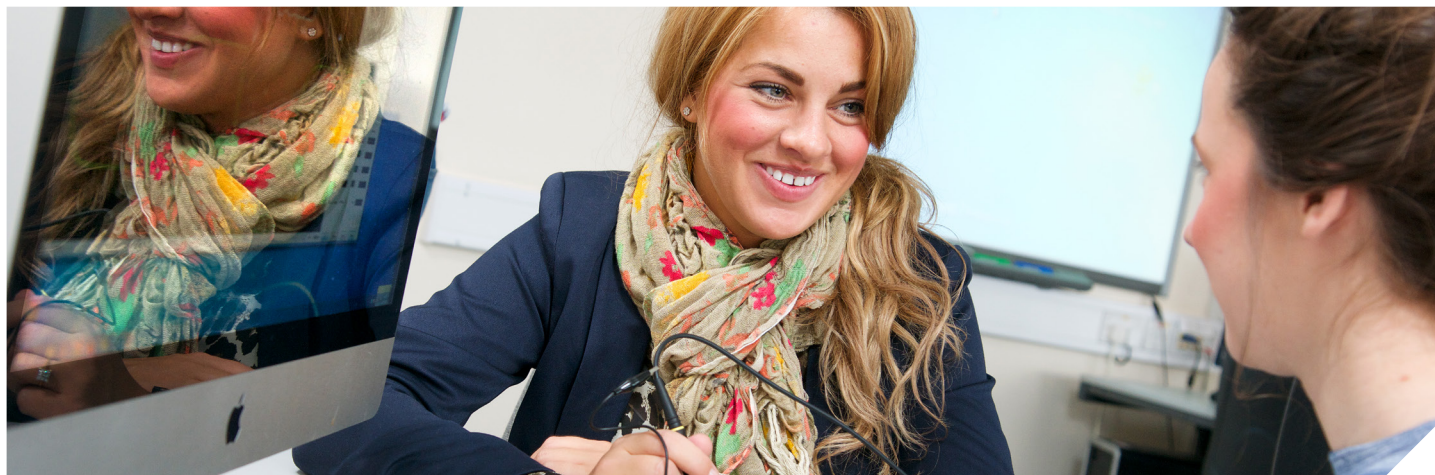


# Information Technology

**UCAS Code: Combined Honours only** (please see website for details)

**Duration: 3 years | Full-time | Hope Park | 2026/2027**

Placement year opportunities available



## Course Overview

Information Technology is an exciting and constantly evolving subject, with organisations increasingly dependent on it to perform essential business functions. With the rapid growth of mobile devices and online services, there is a high demand for skilled professionals who can design effective systems and develop usable software applications.

This Information Technology degree equips you with the skills to meet the needs of modern organisations, with a focus on developing a wide range of technologies. The Information Technology course places particular emphasis on web and mobile technologies, which play a vital role in everyday life. Throughout your studies, you will also build computational thinking and apply a systems approach to analysing and solving complex problems.

Taught by expert staff with diverse research interests, the Information Technology degree is intellectually challenging and designed to give you a rich learning experience. You will explore multiple approaches to tackling technological challenges while considering the wider social and ethical implications of Information Technology in today's world.

## Entry Requirements

This course follows the standard University entry requirements. Please see the website for further information.

## Fees and Additional Costs

The tuition fees for 2026/2027 are £9,790 for full-time undergraduate courses.

As well as your tuition fees, you will also need approximately £500 to purchase essentials such as textbooks, hardware, software and general computer accessories such as USB flash drives and printing.

You will also need to consider the cost of your accommodation each year whilst you study at university.

Visit our accommodation webpages for further details about our Halls of Residence: [www.hope.ac.uk/halls/](http://www.hope.ac.uk/halls/)

Applicants will need access to a computer if course delivery is switched to online. The University has a laptop lending service if remote study is necessary.



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## CONTACT

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[www.hope.ac.uk](http://www.hope.ac.uk)

# Information Technology Curriculum

## Year One

In your first year, you will develop the theoretical knowledge, problem solving and practical skills that underpin Information Technology. You study:

### Introduction to Programming

This module explores the foundational concepts of programming and data structures, focusing on Java and Python, and examines how skills in structured coding, object-oriented programming, and core algorithms support the design of efficient, maintainable solutions to computational problems.

### Data Fundamentals

The Data Fundamentals module introduces the concept of data and its collection, processing, analysis, and interpretation, while exploring storage systems such as relational databases and the end-to-end lifecycle of data in real-world contexts.

## Year Two

### Professional Skills

This topic equips you with a diverse set of skills essential for the professional realm. From communication to problem-solving, you'll be prepared to navigate the challenges of industry.

### Introduction to Software Engineering

This topic covers best practices, design patterns, and methodologies that ensure the creation of robust, scalable, and maintainable software systems.

### Web Development

You'll learn to integrate databases with websites, creating robust registration, login, and logout systems. Dynamic server interactions using AJAX and enhancing user experiences will also be key components.

### Human-computer Interaction

This topic focuses on design principles, user testing, and the psychology of user interactions, ensuring that software meets the needs and expectations of its users.

## Year Three

In your final year of your degree, the curriculum strongly reflects staff expertise and research interests, and you will develop a deeper understanding of the theoretical aspects of information technology. You study topics such as:

### Web Innovations

With a focus on advanced aspects of Javascript. You'll work with client-side applications using current libraries and explore server-side technologies like Node.JS and React.

### Business Analytics

You will develop an understanding of cloud computing principles and their significance in modern computing ecosystems including addressing needs such as scalability, flexibility and cost-effectiveness through setting up and managing virtual machines.

## COURSE STRUCTURE

Teaching on this degree is structured into lectures, seminars and tutorials.

For the Information Technology part of your combined honours degree, there are approximately 6 teaching hours each week, which reduces to approximately 5 teaching hours in your second and third years.

On top of teaching hours, you are also expected to spend a number of hours studying independently each week, as well as studying in groups to prepare for any group assessments you may have.

## ASSESSMENT AND FEEDBACK

Throughout your studies, you will have a variety of assessments, including written exams, portfolios of tasks and activities, and practical coursework. Coursework is mainly project based, as this is the best way to develop the skills required in Information Technology.

In your final year, you undertake a major research project that gives you the opportunity to demonstrate your skills in an area that interests you.

You will be given written feedback on your assessments, and you will have the opportunity to discuss this with your tutor in more detail.



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