

Welcome to the University of Sussex

Finance and Technology BSc (Hons)

This course starts in 2021

[Start in 2020 instead?](#)

<https://www.sussex.ac.uk/study/undergraduate/courses/finance-and-technology-bsc>

Gain the financial technology (FinTech) skills essential for a career in tomorrow's financial institutions. The FinTech industry will create hundreds of thousands of jobs in the UK alone and is already worth £7-billion to the UK economy. With developments in computing continuing to accelerate, understanding their applications to financial markets will make you highly employable in a variety of industries.

The BSc offers you the opportunity to gain experience at the cutting edge between finance and computer science. You'll develop quantitative and analytical skills as well as your coding and programming capabilities. You have access to our Bloomberg Financial Markets Lab, located in the Business School, and to Thomson Reuters service platforms. This allows you to take part in real-time financial and trading simulation, supervised by academic and industry experts.

This joint degree prepares you for employment in the exciting and growing FinTech industry as well as in traditional financial services and IT. You can also boost your employability with an option to study abroad, or apply for a professional placement year.

Professional partnerships

You'll join the [EQUIS](#)-accredited University of Sussex Business School.

The [Chartered Institute for Securities and Investment \(CISI\)](#) provides official recognition of the Year 2 and Year 3 finance modules as strong preparation for selected CISI qualifications. You may also opt into CISI membership for career events, presentations and employability training.

We'll make all reasonable efforts to provide you with the courses, services and facilities described in this prospectus. However, we may need to make changes due to significant disruption, for example in response to COVID-19.

We study artificial intelligence one day and financial markets the next. FinTech at Sussex is thrilling, challenging and futuristic." *Ali EshagHi*
Finance and Technology (with a professional placement year) BSc

Course module1

Year 1

Core modules

Autumn teaching

- [Introduction to Programming](#) (IT)
- [Mathematical Concepts](#) (Math)
- [Principles of Finance](#)
- [Programming Concepts](#) (IT)

Spring teaching

- [Data Structures & Algorithms](#) (IT)
- [Further Programming](#) (IT)
- [Introduction to FinTech](#)
- [Introduction to Statistics](#) (Math)

Year 2

Core modules

Autumn teaching

- [Databases](#) (IT)
- [Ethical Trading and Market Abuse Regulations](#)
- [Financial Institutions and Markets](#)
- [Introduction to Econometrics \(level 5\)](#)

Spring teaching

- [Fundamentals of Machine Learning](#) (IT)

Options

Spring teaching

- [Computer Networks](#) (IT)
- [Corporate and International Finance](#)
- [Principles of Banking](#)
- [Software Engineering](#) (IT)
- [Theory of Investments](#)

Study abroad (optional)

Apply to study abroad – you'll develop an international perspective and gain an edge when it comes to your career. [Find out where your course could take you](#)

Placement (optional)

To help you gain experience and increase your employability, you can apply for an optional placement as part of your course. You'll be responsible for applying for and securing your placement. Our dedicated careers team can provide you with information and advice. If you're successful in obtaining a placement, this will form part of your course.

[Find out more about placements and internships](#)

Recent students have gone on placement at:

- IBM
- GSK (GlaxoSmithKline)
- Hewlett Packard.

For more details, visit [Business and Management: Placements](#)

Please note: If you're receiving – or applying for – USA federal Direct Loan funds, you can't transfer to the version of this program with an optional study abroad period in any country or optional placement in the USA. Find out more about [American Student Loans and Federal Student Aid](#)

Year 3

Core modules

Autumn and spring teaching

- [FinTech Research Project](#)

Options

Autumn teaching

- [Blockchains and Crypto Assets](#) (IT)
- [Cryptography](#) (Math)
- [Entrepreneurship and Small Firms \(ENT\)](#)
- [Financial Econometrics](#)
- [Financial Risk Management](#)
- [Human-Computer Interaction](#)
- [Introduction to Computer Security](#) (IT)
- [Natural Language Engineering](#) (IT)

Spring teaching

- [Advanced Natural Language Engineering](#) (IT)
- [Contemporary Issues in Banking](#)
- [Ethics and Organisations: Responsibility and Justice](#)
- [Financial Derivatives](#)
- [Neural Networks](#) (IT)
- [Trading Strategies](#)
- [Web 3D Applications](#) (IT)
- [Web Applications and Services](#) (IT)