

# JS1000 BSc Computational Finance and Financial Technology

Financial Econometrics  
Blockchain  
Optimization Fintech

$$\frac{\partial f}{\partial t} + rS \frac{\partial f}{\partial S} + \frac{1}{2} \sigma^2 S^2 \frac{\partial^2 f}{\partial S^2} = rf$$

**(Finance + Math + Stats) Tech**



**State-of-the-art training in finance, mathematics, statistics and technology**

**Career in**

- Asset Management
- Investment Banking
- Risk Management
- Blockchain
- Financial Technology (FinTech)
- Regulatory Technology (RegTech)

**Opportunity for Joint Bachelor's Degree Program between City University of Hong Kong and Columbia University**

**Further advanced studies**



College of Business

香港城市大學  
City University of Hong Kong

Accreditation



<https://www.cb.cityu.edu.hk/js1000>



# JS1000 BSc Computational Finance and Financial Technology



BSc Computational Finance and Financial Technology is suitable for students who are interested in mathematics and technology and want to join the exciting and highly demanded careers in the financial sector, e.g.

- Investment Banking
- Risk Management
- FinTech
- Blockchain

## Admission FAQ

**Q.** What are the unique features of this major?

**A.** The BSc in Computational Finance and Financial Technology major has 2 streams, namely (1) **Computational Finance Stream** and (2) **Financial Technology Stream**. Computational Finance stream is an interdisciplinary stream offering a comprehensive curriculum that covers state-of-the-art training in **finance, mathematics, statistics, computer programming, and information technology**.

Financial Technology stream gives students an interdisciplinary education in **business, information technology, and innovation** by training them in **mathematics, statistics, programming, information systems, and finance**.

BSc in Computational Finance and Financial Technology students have the opportunity to apply for admission to the Joint Bachelor's Degree Program between City University of Hong Kong and Columbia University. Upon completion of this joint degree program, students will receive bachelor's degrees conferred by both Columbia University and CityU. For details, please visit <https://cityu-hk.gs.columbia.edu/>.

**Q.** Do I need to attend JUPAS admission interview?

**A.** An interview would be scheduled around June for shortlisted applicants only. Interview is not a must but it will increase students' chance to join the programme if they fall into the marginal JUPAS 3+2 score range with "Attained" Level for the subject of "Citizenship and Social Development".

**Q.** Can I take a minor?

**A.** Yes, you can customize your own study plan with your interested minor. (subject to fulfilling the requirements for declaring a minor)

**Q.** Is there any scholarship available?

**A.** College of Business and CityU are committed to nurturing elite students to become future business leaders. Various scholarships are available, for details of the scholarships, please visit: <https://www.cb.cityu.edu.hk/ug/admissions/apply/scholarships>.

Enquiries



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### Career in

- Asset Management
- Investment Banking
- Risk Management
- Blockchain
- Financial Technology (FinTech)
- Regulatory Technology (RegTech)

### Further advanced studies



✓ Do you like **Math**?

✓ Do you like **Financial Technology**?

✓ Do you want to join **exciting and highly demanded** careers in the **financial sector**?

# Top 5 Business School in Asia

(The UTD Top 100 World Rankings of Business Schools based on research contributions from 2018-2022 conducted by the School of Management at the University of Texas at Dallas)