JS1000  BSc Computational Finance and Financial Technology

Financial Econometrics
Optimization  Database

\[ \frac{\partial f}{\partial t} + rS \frac{\partial f}{\partial S} + \frac{1}{2} \sigma^2 S^2 \frac{\partial^2 f}{\partial S^2} = r_f \]

(Finance + Math + Stats)  Computer + IT

State-of-the-art training in finance, mathematics, statistics, computer programming and information 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*

* Computational Finance stream students only.

Further advanced studies

http://www.cb.cityu.edu.hk/js1000
Do I need to attend admission interview?
Yes (shortlisted applicants only), an interview would be scheduled around June. We would only consider students putting this major as one of their band A choices.

**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**.

Computational Finance stream 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 the dual awards conferred by Columbia University and CityU. For details, please visit gs.columbia.edu/cityu-hk/

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**.

**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 4+2 score range.

**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: http://www.cb.cityu.edu.hk/ug/admissions/apply/scholarships.

**Q.** Who can I contact for further questions about this major?

**A.** Mr. Leung Hon Wing (Admissions Tutor and Deputy Programme Leader – BSc Computational Finance and Financial Technology)

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**Further advanced studies**

Top 3 Business School in Asia

(UTD Top 100 World Rankings of Business Schools Based on Research Contribution 2013–2017 conducted by the School of Management at the University of Texas at Dallas)