### Faculty of Science

#### Statistics

<table>
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<tr>
<th>Offered As:</th>
<th>✓ Major</th>
<th>✓ Minor</th>
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<tr>
<td><em>Open to students of other Faculties:</em></td>
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### What is it about?

The Major in Statistics focuses on the study of statistics, a scientific discipline characterised by the development and applications of analytical and quantitative tools which involve logical thinking, problem formulation, probability reasoning and intensive data analyses. The programme aims to equip students with powerful mathematical, analytical and computational skills, which are in great demand in practical areas where data are obtained for the purpose of extracting information in support of decision making. It gives students a strong background in statistical concepts, and provides broad and solid training in applied statistical methodologies.

The curriculum of the Minor in Statistics is structured specifically to cater for the general need of non-statistical disciplines and provide basic training in statistical methodologies and their applications to practical problems. It aims to provide students with a strong and rigorous sense of quantitative reasoning that has become an indispensable skill in nearly all disciplines.

### Offering Department:

Offered by the Department of Statistics and Actuarial Science

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<th>Pre-requisites and/or other conditions for declaring the major/minor:</th>
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<td><strong>Major:</strong> Students must have level 2 or above in HKDSE Extended Module 1 or 2 of Mathematics or equivalent to take this major. Students who do not fulfill this requirement are advised to take MATH1011 University mathematics I. Please refer to the course prerequisites of the required courses.</td>
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<td><strong>Minor:</strong> Please refer to the course prerequisites of the required courses.</td>
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For details, please check with the Department of Statistics and Actuarial Science.

### Career opportunities:

The curriculum is constantly revised to meet a steadily rising demand for specialist statisticians or quantitative analysts in government, business, finance, industry, as well as in research and teaching in local and overseas institutions.

For details, please check with Faculty or CEDARS (Careers & Placement).

### Further information:

#### Major:


#### Minor:


### Contact:

E: saas@hku.hk  
T: 3917 2466

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* Note: Students pursuing curricula with major / minor programme(s) must complete at least one major programme from their home Faculties upon graduation.

Disclaimer: The information mainly applies to students admitted in 2020-2021 and thereafter. For students from different cohorts, the information is only for reference. Please check with Faculty/offering department for details. The pre-requisites / conditions are subject to changes by Faculties from time to time, and students are advised to check with their Faculty Office in case of doubt.