

Year 1 Engage with the Principles

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|-------------|-----------------|------------------------|-------------|
| Calculus 1* | Linear Algebra* | Statistical Modelling* | Calculus 2* |
|-------------|-----------------|------------------------|-------------|

Year 2 Deepen Your Understanding

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|--------------|-----------------------|----------------------|-------------------------|
| Probability* | Predictive Analytics* | Bayesian Statistics* | Inferential Statistics* |
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Many additional specialist options are available in Year 3 and Year 4 and options are reviewed and updated regularly.

Year 3 Refine Your Knowledge

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| Time Series Analysis | Statistical Machine Learning | Data Programming | Advanced Predictive Analytics |
| Multivariate Analysis | Optional Internship | Optional Study Abroad | |

Year 4 Further Specialisation

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|-------------------------|-----------------------|------------------------------|---------------------------|
| Machine Learning & A.I. | Monte Carlo Inference | Stochastic Models | Categorical Data Analysis |
| Design of Experiments | Actuarial Statistics | Statistical Network Analysis | Research Project* |

*core

BSc Social Sciences

UCD Graduate Study and Career Opportunities

Specialise with UCD Statistics

- MA/MSc Statistics
- HDip in Mathematical Science
- MSc Data and Computational Science
- MSc Data Analytics
- Graduate Diploma/MSc in Actuarial Science

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PhD Mathematics & Statistics

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Research & Academia

Complementary/Conversion Master's Degrees

- MSc in Finance
- MSc Computer Science
- Master in Public Policy
- MSc in Project Management
- Professional Masters in Education
- MSc in International Business & Law
- MA in Geopolitics & Global Economy
- MSc Management
- MSc Marketing Practice
- MSc Aviation Finance
- Masters in Common Law

Shape your Career

- Economics
- Banking/ Finance
- Management Consultancy
- Broadcasting / Journalism / Media
- Business
- Research
- Education
- Accountancy
- Policy Analysis
- Investment Analysis
- Financial Risk Analysis
- Public Sector
- Civil Service