



Quantitative Methods Specialisation

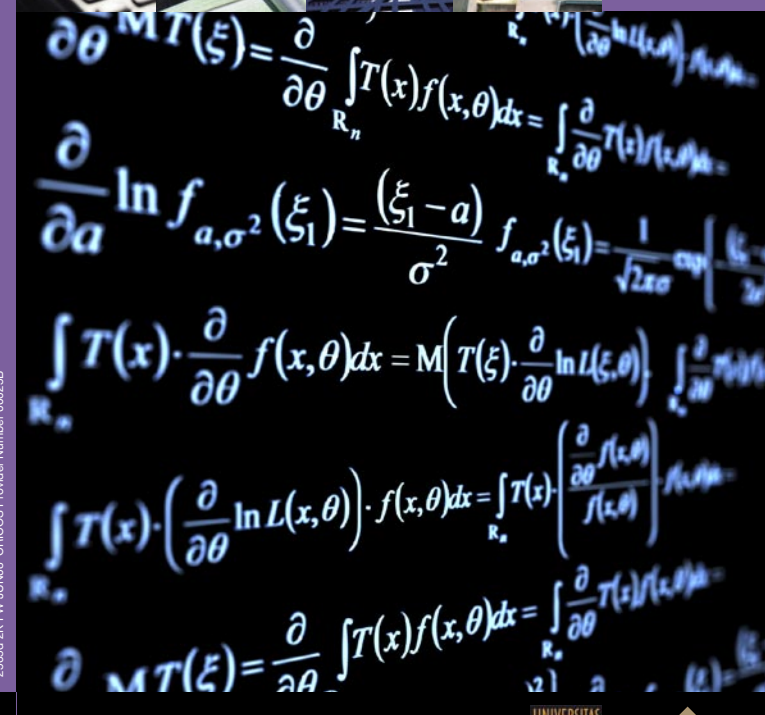


Further information:

School of Economics
 The University of Queensland
 Brisbane Qld 4072 Australia
 Telephone: +61 7 3365 6570
 Facsimile: +61 7 3365 7299
 Email: enquiries@economics.uq.edu.au
 Website: www.uq.edu.au/economics


Group of Eight
 Group of Eight (Go8)
 A national alliance of leading
 research-intensive universities.
www.go8.edu.au


Universitas 21
 An international network of leading,
 research-intensive universities.
www.universitas.edu.au



2865d 2K PW JUN08 CRICOS Provider Number 00028B

Quantitative Methods Specialisation

UQ's Bachelor of Economics degree is a qualification that provides students with a comprehensive insight into and understanding of economic theory and real-world experience. Businesses and governments make economic decisions in an uncertain world. Gathering information is costly and, inevitably, important decisions must be made based on limited quantitative information.

The Quantitative Methods specialisation is particularly suitable for students who have an aptitude for mathematics at secondary school. Students completing this specialisation are very well equipped to make better decisions in the face of the mass of new information that we confront on a daily basis.

Bachelor of Economics students have the option to focus on this specific area and have this formally recognised on the degree certificate upon graduation.

Quantitative Methods covers a variety of techniques applicable to the presentation, interpretation and use of data. Estimation and hypothesis testing techniques of inferential statistics are key topics. The use of a variety of computing software is integrated through the practical component of the courses.

This specialisation is designed to help you in business and economic contexts to:

- Improve your ability to observe, analyse and interpret quantitative information
- Develop a sound understanding of the underlying concepts in quantitative economics
- Develop confidence and essential skills in data gathering, analysing and reporting.

In addition to the ten compulsory courses in the Bachelor of Economics program, students are required to select from a range of elective courses. To satisfy the requirements for this specialisation, students must complete ECON1050, Introductory Mathematical Economics, plus six electives from the following list:

ECON2050	Mathematical Economics
ECON2320	Business and Economic Decision Techniques
ECON3050	Game Theory and Strategy
ECON3060	Experimental Economics
ECON3220	Benefit-Cost Analysis for Business
ECON3310	Econometric Theory
ECON3320	Statistical Theory for Economists
ECON3350	Applied Econometrics for Macroeconomics and Finance
ECON3360	Applied Econometrics for Microeconomics

Graduates who complete this specialisation will have the necessary conceptual understanding, theoretical models and techniques to commence a career with private corporations, trade agencies, financial intermediaries, consultancy companies, government agencies and departments and other organisations that use statistical and mathematical analysis to enhance the quality of decision-making. The demand for economics graduates with training in quantitative methods is very strong.

The balance of courses required for the degree can be taken from a diverse range of electives, which cover fields such as economic theory, applied economics, economic history, business economics, industrial relations, Asia-Pacific economics, ecological and environmental economics, international trade and finance.

Duration of program

The Bachelor of Economics program is normally taken over 6 semesters of full-time study, or the part-time equivalent.

Minimum entry requirement

Sound achievement in Year 12 English and in Year 12 Mathematics B. For international students who are not completing secondary studies in Australia, a passing grade in Advanced Mathematics (including Calculus) is required.

- Australian students gain admission to the above programs through the Queensland Tertiary Admissions Centre (QTAC).
- International students must apply to the International Education Directorate of the University.
- A copy of the entry requirements to the university is available www.uq.edu.au/study

Total units

48 units (24 courses)

Commencement

Students may commence this program in either semester 1 (February) or semester 2 (July).

Important information

Students enrolled in the BEcon as part of a dual program may be unable to complete a specialisation depending on the combination.

Dual program students intending to enrol in the Bachelor of Economics (Honours) program will be unable to complete a specialisation in the BEcon due to additional pre-requisites for entry to Honours.