MASTER OF APPLIED ECONOMETRICS

Develop your career in econometrics, gain the analytical and technical skills required for the profession, and establish a solid grounding in a key business discipline.

You will learn the latest econometric, statistical and data analytics tools, and develop skills to provide data driven solutions to real-world problems in areas such as economics, finance, and risk management.

Throughout your coursework, you will study units to build quantitative skills in econometrics, data analytics, statistics, mathematics, risk management, economics, and finance.

You will also have the opportunity to work on case studies or conduct a research project under the supervision of one of our experienced academics. This project will give you experience in a cutting-edge applied research areas such as empirical economics, empirical finance, risk analysis, forecasting, health economics, energy, and climate change.

Students with these quantitative and research skills are in high-demand and have found jobs in the banking sector, Treasury, Department of Health and leading organisations such as Deloitte and KPMG.

This course offers a PhD pathway option. PhD students are equipped with advanced knowledge to accelerate their business career or pursue university academic positions.

Course Structure

<table>
<thead>
<tr>
<th>Part A.</th>
<th>Part B.</th>
<th>Part C.</th>
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<tbody>
<tr>
<td>Advanced preparatory (24 credit points)</td>
<td>Mastery knowledge (60 credit points)</td>
<td>Application studies (12 credit points)</td>
</tr>
<tr>
<td>Four units:</td>
<td>Two compulsory unit (12 points):</td>
<td>You must complete 12 credit points of electives at either level 4 or 5 from the Faculty of Business and Economics or across the University as long as you have met the prerequisites and there are no restrictions on enrolling in the units.</td>
</tr>
<tr>
<td>– Mathematics for business or Mathematics for economics and business</td>
<td>– Applied econometrics</td>
<td></td>
</tr>
<tr>
<td>– Microeconomics or Managerial economics</td>
<td>– Time series and panel data econometrics</td>
<td></td>
</tr>
<tr>
<td>– Macroeconomic policy or Macroeconomics</td>
<td>You must choose either the Applied pathway or the PhD pathway</td>
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<tr>
<td>– Introductory applied econometrics or introductory econometrics</td>
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**Applied pathway (48 credit points)**

Compulsory unit (6 points):
- Case studies
An additional seven units (42 points) from the following themes:

**Macro and Financial Econometrics:**
- Macroeconometrics
- Quantitative methods in financial markets or Financial econometrics
- Advanced financial econometrics
- Business forecasting

**Micro and Health Econometrics:**
- Quantitative analysis of limited dependent variables
- Microeconometrics
- Introduction to health economics

**Data Analytics for Energy and Climate:**
- Data visualization and analytics
- High dimensional data analysis
- Econometrics and statistics for energy and climate
- Business forecasting

**PhD pathway (48 credit points)**

Four compulsory units (30 points):
- Honours research project (12 points)
- Principles of econometrics
- Statistical theory and practice
- Bayesian inference and data analysis

An additional unit (6 points) from the following:
- Macroeconometrics
- Microeconometrics
- Advanced financial econometrics
- Advanced R programming

AND

A further two units (12 points) from the units listed in the Applied pathway or the PhD pathway
Why choose Monash Business School?
A degree from Monash Business School comes with global recognition, to help you launch a successful career. We hold the prestigious ‘triple accreditation’ with the world’s three major business education accreditation bodies – putting us in the top 1% of business schools worldwide.

We’re the only Australian university that is linked with QTEM, an international network of outstanding students, academic partners and international corporations, offering you the opportunity to gain a double master’s qualification with exchange and guaranteed internships.

Through summer and winter research scholarship programs, you will work directly with leading statisticians and econometricians to gain valuable practical research experience and further your studies.

You will test real-life data issues through global business analytic challenges, working with data scientists and business analysts to focus on issues such as poverty, climate change, gender equality and healthcare.

In an industry characterised by disruption, we’ll challenge you to broaden your outlook, think more creatively and put innovative ideas to the test.

Entry requirements
An Australian bachelor degree (or equivalent) with a Weighted Average Mark (WAM) of 65 or an equivalent GPA as determined by the School. You’ll be ranked and selected based on your entire academic record.

You must also have achieved a result of at least 70% in a first-year undergraduate statistics/mathematics unit (or equivalent).

Depending upon your prior qualifications and experience you may be eligible for entry credit, which reduces the duration. You may receive credit for Part A or Part C or a combination of both.

<table>
<thead>
<tr>
<th>ELIGIBILITY</th>
<th>Duration (years)</th>
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<tbody>
<tr>
<td>Bachelor^2</td>
<td>2</td>
</tr>
<tr>
<td>Bachelor^2 in a related field^3 OR Bachelor degree in any field + relevant expertise in a related field^4</td>
<td>1.5</td>
</tr>
<tr>
<td>Bachelor^2 (Hons) in any field</td>
<td>1.5</td>
</tr>
<tr>
<td>Bachelor^2 (Hons) in a related field^3</td>
<td>1</td>
</tr>
</tbody>
</table>

1. Even if you are eligible for a shorter course duration you may elect to complete the longer duration.
2. With a WAM of 65.
3. Related fields include economics, econometrics and business statistics.
4. For example, by a relevant graduate certificate.

ENGLISH LANGUAGE REQUIREMENTS
All applicants must demonstrate English language proficiency at the required standard

- IELTS (Academic): 6.5 overall, no band lower than 6.0, or equivalent approved English test;
- Tertiary study undertaken in an English medium institution;
- Other acceptable measures include a combination of approved qualifications and residence/work experience within in an English speaking country.

Don’t meet the English language requirements? Apply for the Monash Bridging Program

monashcollege.edu.au/courses/english/monash-english-bridging

monash.edu/business