



MASTER OF BIOSTATISTICS

LEARN FROM AUSTRALIA'S BEST BIOSTATISTICIANS

Taught out of the Asia-Pacific's largest School of Public Health, the Monash Master of Biostatistics provides a collaborative curriculum developed by experts from partner universities in the Biostatistics Collaboration of Australia.

Our membership in this unique collaboration ensures students have access to the best and brightest biostatistical experts this country has to offer. Content is delivered largely online, allowing you to study at your own pace.

This challenging but highly rewarding course will give you a sound understanding of the theory and application of biostatistics, the chance to grapple with complex analyses, familiarise yourself with methodological design, learn how to keep up with the latest research and practice communicating complex results.

In the Master of Biostatistics you will:

- Gain the confidence to autonomously suggest appropriate statistical designs in health research.
- Consolidate knowledge, current research and computing skills to perform complex analyses.
- Become skilled at communicating theoretical and practical biostatistical issues and results with peers and journals.

Course code

M6025

Study mode

Off-campus

Intakes

Semester one: February

Semester two: July

Durations

Part time: 3 years

COURSE STRUCTURE

PART A	PART B	ELECTIVES
<p>Core biostatistics studies (48 points)</p> <p>Gain the core epidemiological, mathematical and statistical foundations required for biostatistical practice and study of advanced biostatistical methods.</p>	<p>Advanced practice studies (24 points)</p> <p>Extended your statistical foundations with survival analysis and complete a capstone practical project unit, where you'll apply your skills and knowledge to a research problem.</p>	<p>Your choice of interest areas including:</p> <ul style="list-style-type: none"> Bayesian statistical methods bioinformatics causal interference machine learning for biostatistics

To find out more about which subjects you'll study, visit monash.edu/study/course/m8025

You may be eligible to exit early with a Graduate Certificate or Graduate Diploma if the award requirements have been met.



This course has given me a deep and sophisticated understanding of statistical methods and valuable experience reasoning my way through complex problems. Combined with my undergraduate training in biomedicine and health economics, the Master of Biostatistics has dramatically increased my employability and options for future work and study.

Taya Collyer

Research Fellow in Biostatistics,
Monash University and Master of
Biostatistics graduate (2016)



BIostatISTICS COLLABORATION OF AUSTRALIA

We are part of the Biostatistics Collaboration of Australia (BCA), a consortium of six leading universities in Australia established to jointly develop and deliver a distance-based program in biostatistics. So while you'll enrol in your Masters at Monash, you'll benefit from learning from biostatistical experts across Australia.

Find out more at bca.edu.au

PROFESSIONAL RECOGNITION

The Master of Biostatistics, as part of the BCA program, is accredited by the Statistical Society of Australia. By graduating with this Master's degree you obtain automatic accreditation status as Graduate Statistician (GStat) upon application to the Statistical Society of Australia.

CAREER OPPORTUNITIES

Biostatisticians are the beating heart of evidence-based medicine. They advise on best practice in study design, assist with complex analyses, and develop novel computations when existing solutions won't do. Their involvement ensures research projects deliver strong results with minimal resource wastage.

Employed across the entire spectrum of government, research and industry, biostatisticians assist in study design and analysis of large, complex trials that track or predict disease pathways, the efficacy of novel preventions and treatments and more.

FUTURE PATHWAYS

Graduates may seek employment upon graduation, or continue on to a graduate degree (PhD or MPhil).



"Our team applies their statistical knowledge every day to large, complex trials that deliver real-world impact. Their knowledge of the latest statistical software and techniques is second-to-none, and they pass this great experience on to our students, preparing them for the jobs of the future."

Professor Andrew Forbes
Head, Biostatistics Unit and course coordinator, Monash University

LEARN MORE

For further information about the Master of Biostatistics, including entry requirements, fees and scholarships, visit monash.edu/study/course/m6025 or contact:

FUTURE STUDENT ENQUIRIES

T 1800 MONASH (666 247)

E future@monash.edu

monash.edu/medicine

FOLLOW US

 [monash_mnhs](https://www.instagram.com/monash_mnhs)

 [monash_fmnh](https://twitter.com/monash_fmnh)

 [MonashMNHS](https://www.facebook.com/MonashMNHS)