MONASH University

MONASH
Medicine, Nursing and Health Sciences

Course progression map for 2024 commencing students

This progression map provides advice on the suitable sequencing of units and guidance on how to plan unit enrolment for each semester of study. It does not substitute for the list of required units as described in the course 'Requirements' section of the Handbook.

M6025 Master of Biostatistics

Part-time Study

Practical project - 6 points

Year 1 Semester 1	MPH5040 Introductory epidemiology	EPM5026 Mathematical foundations for biostatistics
Year 1 Semester 2	EPM5005 Data management and statistical computing	EPM5003 Principles of statistical inference
Year 2 Semester 1	EPM5027 Regression modelling for biostatistics 1	Elective
Year 2 Semester 2	EPM5028 Regression modelling for biostatistics 2	Elective
Year 3 Semester 1	Elective	Elective
Year 3 Semester 2	EPM5015 Biostatistics practical project	Elective

Practical project - 12 points

Year 1 Semester 1	MPH5040 Introductory epidemiology	EPM5026 Mathematical foundations for biostatistics
Year 1 Semester 2	EPM5005 Data management and statistical computing	EPM5003 Principles of statistical inference
Year 2 Semester 1	EPM5027 Regression modelling for biostatistics 1	Elective
Year 2 Semester 2	EPM5028 Regression modelling for biostatistics 2	Elective
Year 3 Semester 1	EPM5011 Biostatistics practical project (12 credit points)	Elective
Year 3 Semester 2		Elective

	Part A - Core biostatistics studies (48 points)
	Part B - Advanced practice studies (24 points)

Refer to the final page for the list of elective units.

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M6025 Master of Biostatistics

Full-time Study

Practical project - 6 points

Year 1 Semester 1	MPH5040 Introductory epidemiology	EPM5026 Mathematical foundations for biostatistics	EPM5005 Data management and statistical computing	Elective
Year 1 Semester 2	EPM5003 Principles of statistical inference	EPM5027 Regression modelling for biostatistics 1	Elective	Elective
Year 2 Semester 1	EPM5028 Regression modelling for biostatistics 2	EPM5015 Biostatistics practical project	Elective	Elective

Practical project - 12 points

Year 1 Semester 1	MPH5040 Introductory epidemiology	EPM5026 Mathematical foundations for biostatistics	EPM5005 Data management and statistical computing	Elective
Year 1 Semester 2	EPM5003 Principles of statistical inference	EPM5027 Regression modelling for biostatistics 1	Elective	Elective
Year 2 Semester 1	EPM5028 Regression modelling for biostatistics 2	Elective	EPM5011 Biostatistics practical project (12 credit points)	

	Part A - Core biostatistics studies (48 points)
	Part B - Advanced practice studies (24 points)

Refer to the final page for the list of elective units.

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Part A - Elective units:

Two units:

At least one unit from the following:

- EPM5001 Health indicators and health surveys
- EPM5006 clinical biostatistics
- EPM5007 Design of randomised controlled trials
- EPM5017 Machine learning for biostatistics
- EPM5018 Causal inference

At most one 6cp unit from the course progression maps of the following courses:

- Master of Data Science (C6004) – excluding MAT9004, FIT5197, FIT5149, BMS5021, BMS5022
- Master of Public Health (M6024) – excluding MPH5041, MPH5200, MPH5270
- Master of Clinical Research (M6028) - excluding MPH5041, MPH5200, MPH5270
- Master of Business Analytics (B6022) – excluding ETC5510, ETC5242, ETC5521, ETC5250

Part B – Elective units:

Two units (12 point project) or three units (6 point project)

At least one unit from the following:

- EPM5001 Health indicators and health surveys
- EPM5006 Clinical biostatistics
- EPM5007 Design of randomised controlled trials
- EPM5008 Longitudinal and correlated data analysis
- EPM5012 Statistical genomics
- EPM5013 Bayesian statistical methods
- EPM5017 Machine learning for biostatistics
- EPM5018 Causal inference

At most one 6cp unit from the course progression maps of the following courses:

- Master of Data Science (C6004) – excluding MAT9004, FIT5197, FIT5149, BMS5021, BMS5022
- Master of Public Health (M6024) – excluding MPH5041, MPH5200, MPH5270
- Master of Clinical Research (M6028) - excluding MPH5041, MPH5200, MPH5270
- Master of Business Analytics (B6022) – excluding ETC5510, ETC5242, ETC5521, ETC5250