



## Graduate Certificate in Biostatistics

Graduate Certificate (12 units)

SI or S2	<a href="#">BIOSTATS 6000/6000EX Epidemiology</a>	Elective Course	Elective Course	Elective Course
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ALL COURSES ARE WORTH 3 UNITS UNLESS SPECIFIED OTHERWISE

Updated November 2019

### Elective Courses

Courses to the value of up to 9 units (three courses) may be taken from the following:

#### Semester 1 or 2

[BIOSTATS 6001EX](#) Mathematical Background for Biostatistics

[BIOSTATS 6002EX](#) Data Management and Statistical Computing

[BIOSTATS 6003EX](#) Probability and Distribution Theory

Pre-requisite: BIOSTATS 6001EX

[BIOSTATS 6005EX](#) Principles of Statistical Inference

Pre-requisite: BIOSTATS 6001EX / BIOSTATS 6003EX

[BIOSTATS 6006EX](#) Linear Models

Pre-requisite: BIOSTATS 6000EX / BIOSTATS 6001EX / BIOSTATS 6003EX  
Co-requisite: BIOSTATS 6005EX

#### Semester 1 only

[BIOSTATS 6008EX](#) Survival Analysis

Pre-requisite: BIOSTATS 6000EX / BIOSTATS 6001EX / BIOSTATS 6003EX / BIOSTATS 6005EX / BIOSTATS 6006EX

[BIOSTATS 6012EX](#) Longitudinal & Correlated Data

Pre-requisite: BIOSTATS 6000EX / BIOSTATS 6001EX / BIOSTATS 6003EX / BIOSTATS 6005EX / BIOSTATS 6006EX / BIOSTATS 6007EX

[BIOSTATS 6015EX](#) Health Indicators & Health Surveys

Co-requisite: BIOSTATS 6001EX

[BIOSTATS 6016EX](#) Clinical Biostatistics

Pre-requisite: BIOSTATS 6000EX / BIOSTATS 6001EX / BIOSTATS 6003EX / BIOSTATS 6004EX / BIOSTATS 6005EX  
Co-requisite: BIOSTATS 6006EX

[PUB HLTH 7106](#) - Epidemiological Research Methods

#### Semester 2 only

[BIOSTATS 6004EX](#) Design of Randomised Controlled Trials

Pre-requisite: BIOSTATS 6000EX / BIOSTATS 6001EX

[BIOSTATS 6007EX](#) Categorical Data & Generalised Linear Models

Pre-requisite: BIOSTATS 6000EX / BIOSTATS 6001EX / BIOSTATS 6003EX / BIOSTATS 6005EX  
Co-requisite: BIOSTATS 6006EX

[BIOSTATS 6014EX](#) Bayesian Statistical Methods *(Note: Offered in even years only)*

Pre-requisite: BIOSTATS 6000EX / BIOSTATS 6001EX / BIOSTATS 6003EX / BIOSTATS 6005EX / BIOSTATS 6006EX / BIOSTATS 6007EX

BIOSTATS 6017EX Machine Learning for Biostatistics

Pre-requisite: BIOSTATS 6006EX or PUB HLTH 3010 or equivalent

BIOSTATS 6018EX Causal Inference

BIOSTATS 6001EX, BIOSTATS 6003EX, BIOSTATS 6006EX or PUB HLTH 3010 or equivalent

### CORE courses for Graduate Diploma in Biostatistics

(Please refer to Graduate Diploma in Biostatistics study plan)

### Degree Information

- Students must ensure they are correctly enrolled in accordance with Academic Program Rules: <http://calendar.adelaide.edu.au/>
- This program is offered in conjunction with the Biostatistics Collaboration of Australia (BCA). The program is delivered largely through distance mode. Although students will enrol at the University of Adelaide some courses will be delivered by partner Universities within the BCA

### Further Information & Enrolment Advice

Faculty of Health and Medical Sciences

Dr Amy Salter, Senior Lecturer

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