GRADUATE CERTIFICATE IN EPIDEMIOLOGY (4740)

Approved Abbreviation: GradCertEpidemiology
Western Sydney University Program Code: 4740
AQF Level: 8

CRICOS Code: 088191E

Handbook Entry 2020 - 2022

The Graduate Certificate in Epidemiology is designed for graduates seeking to improve their knowledge of key areas of health-related research. It provides an understanding of epidemiological concepts and methods and their application in clinical, public health and health policy settings. Its core subjects include foundation subjects in epidemiology and biostatistics, while a range of specialist electives can be undertaken including disease surveillance, environmental epidemiology and research protocol design.

Handbook Entry 2023

The Graduate Certificate in Epidemiology is designed for graduates seeking to improve their knowledge of key areas of health-related research. It provides an understanding of epidemiological concepts and methods and their application in clinical, population health and health policy settings. Its core Subjects include foundation subjects in epidemiology and biostatistics, while a range of specialist electives can be undertaken including disease surveillance, population health research, big data for research protocol design and and statistical modelling, climate change, and international development..

Study Mode

Six months full-time or one year part-time.

Program Advice

Dr Kate McBride (https://directory.westernsydney.edu.au/search/email/medicine@westernsydney.edu.au)

Prospective students should visit the following websites for general enquiries about this program.

Enquire about this program (https://enquiry.westernsydney.edu.au/courseenquiry/)| Local Admission (https://www.westernsydney.edu.au/future/) | International Admission (https://www.westernsydney.edu.au/international/home/apply/admissions/) |

Location

Campus	Attendance	Mode	Advice
Online	Full Time	Online	See above
Online	Part Time	Online	See above
Parramatta Campus - Victoria Road	Full Time	Internal	See above
Parramatta Campus - Victoria Road	Part Time	Internal	See above

Inherent Requirements

There are inherent requirements for this program that you must meet in order to complete your program and graduate. Make sure you read and understand the requirements for this program online.

Inherent requirements (https://www.westernsydney.edu.au/ir/inherent_requirements/inherent_requirements_for_epidemiology/)

Admission 2022 - 2023

Applicants must have either

an undergraduate degree, or higher, in any discipline

Or

three years full-time equivalent work experience in a health, welfare or aged care environment.

Applicants seeking admission on the basis of work experience must support their application with a Statement of Service for all work experience listed on the application.

Statement of Service form (https://www.westernsydney.edu.au/content/dam/digital/pdf/Statement_of_Service.PDF)

Applications from Australian and New Zealand citizens and holders of permanent resident visas may be made via the Universities Admissions Centre (UAC) or directly through the Western Portal. Use the links below to apply via UAC or Western Sydney University. Applications made directly to Western Sydney do not have an application fee.

http://www.uac.edu.au/
https://westernsydney.uac.edu.au/ws/

Applicants who have undertaken studies overseas may have to provide proof of proficiency in English. Local applicants who are applying through the Universities Admissions Centre (UAC) will find details of minimum English proficiency requirements and acceptable proof on the UAC website. Local applicants applying directly to the University should also use the information provided on the UAC website.

http://www.uac.edu.au/

All other International applicants must apply directly to the University via the International Office.

International students applying to the University through the International Office can find details of minimum English proficiency requirements and acceptable proof on their website.

International Office (http://www.westernsydney.edu.au/international/)

Overseas qualifications must be deemed by the Australian Education International - National Office of Overseas Skills Recognition (AEI-NOOSR) to be equivalent to Australian qualifications in order to be considered by UAC and Western Sydney University.

Admission 2023

Applicants must have successfully completed

• a Bachelor's degree, or higher, in any discipline;

OR

• An advanced diploma, or equivalent, in a related discipline AND five years full-time equivalent work experience at a managerial or professional level in roles in a health, welfare or aged care discipline

Applicants seeking admission on the basis of work experience must support their application with a Statement of Service for all work experience listed on the application.

Statement of Service form (https://www.westernsydney.edu.au/content/dam/digital/pdf/Statement_of_Service.PDF)

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Recommended Sequence 2020 - 2022

Qualification for this award requires the successful completion of 40 credit points which include the subjects listed in the recommended sequence below.

Course	Title	Credit Points
Year 1		
Autumn session		
HLTH 7008	Introduction to Biostatistics	10
Select one of the following:		10
PUBH 7015	Introduction to Clinical Epidemiology	
PUBH 7016	Introduction to Epidemiology	
Select two of the following:		20
HLTH 7001	A Global Perspective on Social Determinants of Health	
PUBH 7004		
PUBH 7005	Controversies in Epidemiology	
PUBH 7006	Data Management and Programming for Epidemiology	
PUBH 7008	Environmental Epidemiology	
PUBH 7010	Epidemiology of Non-Communicable Diseases	
PUBH 7012	Health Economics and Comparative Health Systems	
PUBH 7015	Introduction to Clinical Epidemiology	
AGEN 7005	Research Protocol Design and Practice	
PUBH 7025	Statistical Methods in Epidemiology	
	Credit Points	**40**
	Total Credit Points	**40**

Recommended Sequence 2023

Qualification for this award requires the successful completion of 20 credit points of core subjects and 20 credit points of any other subjects from the alternate subject pool.

Subject	Title	Credit Points
Autumn /Spring		**40**
PUBH 7015	Introduction to Clinical Epidemiology	
HLTH 7008	Introduction to Biostatistics	
Choose two alternate subjects		

Alternate Subject Pool

Subject	Title	Credit Points
APPLIED TOPICS IN EPIDEMIOLOGY		
PUBH 5001	Infectious Diseases and Outbreak Response	10
PUBH 6001	Epidemiology of Climate Change	10
PUBH 7010	Epidemiology of Non-Communicable Diseases	10
PUBH 7011	Health Advancement and Health Promotion	10
PUBH 7031	Health Systems and Policy	10
PUBH 7033	The Social Determinants of Health	10
GLOBAL HEALTH FOCUS		
HUMN 7023	Global Health, Migration and Development	10
HUMN 7028	Management and Evaluation of Aid Programs	10
HUMN 7024	Humanitarian and Development Agendas and Progress	10
HUMN 7032	Public Health in Complex Emergencies (Advanced)	10
HUMN 7031	Political Economy of Development	10
DATA SCIENCE IN POPULATION HEALTH FOCUS		
COMP 7006	Data Science	10
COMP 7003	Big Data	10
MATH 7014	Social Media Intelligence	10
PUBH 6002	Systems Science and Population Health	10
PUBH 7006	Data Management and Programming for Epidemiology	10

Replaced Subjects

The subject listed below count towards completion of this program for students who passed these subjects in 2022 or earlier.

PUBH 7004 Communicable Diseases, replaced by PUBH 5001 Infectious Diseases and Outbreak Response