PhD scholarship in Public Health (Health Economics and Systems Modelling)

Status: Open
Applications open: 1/04/2019
Applications accepted at any time

About this scholarship

Description/Applicant information
A three year fully funded PhD scholarship is available for an outstanding candidate to conduct research at the interface of Health Economics and Systems Modelling at the School of Public Health. The PhD will develop a microsimulation model of the health system that allows for simulation of the lifecycle dynamics and the health status and health outcomes of the Western Australian population. The model will be developed using multiple sources of empirical data, including cross-sectional surveys, longitudinal surveys, administrative databases, vital statistics and Census data. The PhD will also consider the use of the microsimulation model as a method for the evaluation of policy interventions and the implementation of this method in practical situations.

The PhD candidate will be supervised by experts in health economics, health data analytics and systems modelling. The health economics aspect will be led by Dr Delia Hendrie and Associate Professor Suzanne Robinson and the health data analytics and systems modelling by Associate Professor James Boyd and Dr Sean Randall.

Student type
- Future Students

Faculty
- Faculty of Health Sciences

Course type
- Higher Degree by Research

Specifically for
- Mature age students

Citizenship
- Australian Citizen
- Australian Permanent Resident
- New Zealand Citizen

Scholarship base
- Merit Based

Value
The successful candidate will receive a stipend of $27,596 per annum (2019 rate).
The duration of the award shall be for three years with a maximum possible extension of up to six months (assess on a case by case basis).

Scholarship Details

Maximum number awarded
1

Eligible courses
Must meet the minimum academic entry requirement for admission into the Doctor of Philosophy program including the English proficiency levels set by Curtin University.

Eligibility criteria
The successful candidate will have:

- A Masters degree in a relevant discipline requiring the completion of a publicly available thesis or research project to an acceptable standard; OR
- A Bachelors degree with first class honours; OR
- Graduated with a Bachelors degree (with first class or upper second honours) and completed a postgraduate diploma or its equivalent, or completed a Masters degree by coursework with, in both cases, a course-weighted average of not less than 70 per cent within the University, and demonstrated the capacity to undertake significant research

At least one degree will be in Mathematics, Mathematical Statistics, Applied Mathematics, Computer Science or a related course. Additionally, the applicant should:

- Have strong computational skills and an interest in systems modelling;
- Preferably have experience in research and/or the use of statistical packages; and
- Preferably have experience of publishing peer-reviewed research.

Enrolment requirements
Must enrol in the Doctor of Philosophy (PhD) program via full-time study mode.

Changes to Enrolment
Must meet Higher Degree by Research Milestones (candidacy) requirements.

How to apply

Application process
Please email Dr Delia Hendrie (d.v.hendrie@curtin.edu.au) an expression of interest with:

- Curriculum vitae
- Academic transcripts
- A brief covering letter (no more than 2 sides A4) that addresses the eligibility criteria. The letter should explain why you are interested in the project and how your skills, attributes and experience make you a good candidate for the award.

Need more information?

Enquiries
For further information please contact:

Please email all enquires to Dr Delia Hendrie (d.v.hendrie@curtin.edu.au)

Further information
Please email your enquiries to Dr Delia Hendrie (d.v.hendrie@curtin.edu.au)