





A black and white photograph of a person standing in a river, holding a large net. A fish is visible inside the net. The person is wearing a light-colored shirt and dark trousers. The water is rippling around the net. A bright green vertical bar is on the left side of the image.

Graduate Certificate in Catchment Hydrology

Fast facts

	LOCATION	Griffith University - Nathan campus
	COMMENCES	Trimester 1
	DURATION	1 year part-time
	OPEN TO	Domestic students

Graduate Certificate in Catchment Hydrology

We have drastically changed the way our catchments operate, through land clearing, vegetation changes and urbanisation. In a changing climate, extreme weather events are exposing the fact that our catchments are no longer resilient.

In the Graduate Certificate in Catchment Hydrology, you will learn how to design and deliver hydrological catchment analysis, to better manage our catchments.

PROGRAM OVERVIEW

In this graduate certificate, you will develop:

- a critical and applied understanding of catchment hydrological, ecological, and morphological processes their determinants, and inter-relationships across a range of scales
- the ability to quantitatively and critically analyse, model, forecast and evaluate the consequences of changes in these processes using a range of leading data management, analysis, modelling and visualisation techniques and software packages
- the ability to work effectively individually and in teams to design and deliver catchment analysis work.

A PRACTICAL AND FLEXIBLE PATHWAY

In the Graduate Certificate in Catchment Hydrology you will learn from a range of expert lecturers and experienced industry speakers. You will also have the opportunity to participate in practical workshops and field trips and benefit from individual academic and career mentoring meetings.

The graduate certificate provides a pathway into the Master of Catchment Science, for those who don't meet the entry requirements of the master degree. The graduate certificate can also be completed on its own, if you already have experience in catchment processes and want to develop knowledge and skills in catchment hydrology.

Entry into the Graduate Certificate in Catchment Hydrology can be based on professional work experience or academic qualifications.

CAREER OUTCOMES

The knowledge and skills you will develop in the Graduate Certificate in Catchment Hydrology are in demand across the world. Graduates will find work in water utilities as well as local, state and federal government, and consultancies.



INTERNATIONAL WATERCENTRE

The International WaterCentre was founded in 2005 with the vision of harnessing the diverse expertise of the world's leading water professionals, to educate and empower individuals, communities and organisations, to build capacity to respond to water challenges in innovative ways.

Since its inception, it has grown to become a key player in the global water sector and an important feature of the Australian 'water landscape'. The IWC plays a central role in stimulating and brokering relationships between Australian and international academics, researchers and practitioners, to collectively strengthen integrated water management approaches to tackling complex water challenges.



To date, more than one thousand water professionals from eighty-six countries have benefited from the IWC's education and training programs. This community of water leaders now actively help their local populations and broader societies tackle complex water problems, for the environment, for communities and for the economy.

A global network of more than 170 partners and associates supports the IWC, providing a scope of expertise and experience rarely found in a single, water-dedicated organisation.



GRIFFITH UNIVERSITY

International WaterCentre programs are enrolled through Griffith University and taught from the Nathan campus.

Griffith University was created to be a different kind of university—challenging conventions, creating bold new trends and pioneering solutions through innovative teaching and research. Its high-quality degrees are specifically designed to prepare students for the future and are developed in consultation with industry, based on cutting-edge research, and taught by Australia's most awarded teachers.

Since its beginning, Griffith has been deeply connected to the Asian region, environmentally aware, open to the community and industry focused. Always ahead of its time, Griffith studies and environmental science. Ranking in the top 2% of universities worldwide, Griffith hosts 50,000 students across six campuses in South



East Queensland including its Digital campus. At Griffith, students benefit from an extensive network of industry partners to gain the skills and confidence that employers want.

The Nathan campus is situated in tranquil, native koala habitat on the edge of Toohey Forest, just 20 minutes from the Brisbane CBD. Griffith's foundation campus, Nathan offers degrees in aviation, business, government, engineering, information technology, environment, humanities, languages, law, nursing, physiotherapy, occupational therapy, and science. On-campus student accommodation is available.

What's the next step?

To find out how you can become part of the new generation of water professionals, visit our website: www.watercentre.org/study

Or, if you have any questions, contact the IWC education team.

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