

# DIRECTIONS

2015 POSTGRADUATE COURSE GUIDE | EDITH COWAN UNIVERSITY





The world is constantly changing – spurring new ideas and stretching possibilities. It's exciting.

So how do you prepare for these dynamic, evolving times? You learn.

ECU is a different kind of university, designed for a new kind of world. We're progressive with courses developed through ongoing industry input, and lecturers who also listen.

We're a university that knows while knowledge is important, understanding comes from experience. Experience that enables you to adapt what you've learned to whatever opportunities come your way. Because that's when you do more than just survive in this world. You thrive in it.

So what are you waiting for?  
**Start your journey.**

#### WHO WAS EDITH COWAN

Born in 1861 in Glengarry, near Geraldton, Edith Dircksey Cowan believed education was the key to growth, change and improvement. Edith's contribution to the development of Western Australian education was significant. She strove to achieve social justice and campaigned for the rights of women, children and families, for the poor, the poorly educated and the elderly. So it's fitting that the oldest education institution and newest State university, Edith Cowan University, bears her name.



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## Vice-Chancellor's Message

Many people these days are discovering that it is possible to exceed their own expectations when it comes to achieving their dream career. With an ECU postgraduate degree, you too can reach this goal. Higher degrees enable you to expand your range of options and to compete in your chosen area of specialisation, while enhancing your knowledge and networks.

Our Higher Degree by Research courses can lead to employment within academia or in other professions that draw on research, training and experience. So, whether you want to gain additional qualifications, completely change direction in your career, or keep abreast of industry trends and standards, postgraduate study can lead to a better professional future for you.

At ECU, our programs are designed to meet national and international industry standards and requirements. We provide a range of supportive and flexible study options including part-time, online and on-campus. When you take into consideration our extensive range of postgraduate

courses, high quality and supportive staff, and entry pathways that recognise your professional experience, you'll realise that nothing can stop you reaching your potential.

We have three vibrant campuses in Western Australia: two in Perth and one in Bunbury. Regardless of where you choose to study, you'll find an excellent range of facilities such as wireless internet, 24-hour access to large computing facilities, libraries with open study spaces available outside of office hours, and an environment conducive for you to study in, either by yourself, or with other students.

I encourage you to take the time to explore our range of courses, visit our campuses, and find out more about how ECU is engaged with our communities. We look forward to welcoming you and accompanying you on this journey.

**Professor Kerry O. Cox**  
**Vice-Chancellor**  
**May 2014**



# Why Reach Your Potential at ECU

At ECU, we provide the ideal learning environment for people who want to reach their potential. We equip you with the confidence and practical skills to deal with whatever challenges may come your way, no matter where you are in the world. If you're looking for a learning environment that is supportive, flexible and relevant to the real world – then you've come to the right place.

ECU offers the freedom to match your interests and aspirations with a wide range of study options. So, whether you want to expand your qualifications, branch into a new area or just keep up with industry trends and standards, postgraduate study at ECU can lead to the professional future you're looking for.





## FLEXIBILITY AND SUPPORT

- Part-time and online study options are available for many courses and units, allowing you to fit study in with your work and family life.
- We recognise the value of appropriate professional experience, which is why you may be able to use your previous experience to gain entry into some of our Graduate Certificate courses that can progress into Masters level courses.
- We offer a supportive study environment with approachable teaching staff and a range of support staff to assist you on your learning journey.



## EXCITING RANGE OF COURSES

- With a diverse range of postgraduate courses available, you'll have no problem finding just the right course for you.
- A wide range of specialisations and elective choices allow you to match your interests to your career goals and aspirations.
- Overseas study opportunities are available through exchanges with our partner universities.

## EXCELLENT FACILITIES AND SERVICES

- We are known for our award-winning facilities and are at the forefront of providing innovative education and training solutions.
- Our campuses offer 24-hour access to computing laboratories and wireless technology.
- We also have a great range of sporting and fitness facilities, recreational and social clubs and societies, cafés, childcare centres, security services and more, all to enhance your university experience.

## ENGAGEMENT AND RECOGNITION

- We have a long history of working closely with business, industry and government, and engaging with the community by collaborating on research, teaching, seminars and conferences.
- Our high calibre staff have extensive experience as researchers, teachers, advisers or consultants and have significant professional experience in their field.
- ECU qualifications are recognised worldwide, with many students achieving employment in varying capacities with international companies.

“I’m working with the latest equipment and using labs used by professionals in the real world.”

After doing a lot of research about my study options, I chose to study a Master of Engineering at ECU because of the University’s reputation in the field of engineering. ECU places a lot of emphasis on practical skills and industry links, which was another important factor for me. ECU’s new engineering facilities are second to none.

**Jagatpreet Kaur**  
ECU Master of Engineering student





# Our Campuses

## ECU JOONDALUP

Our Joondalup Campus is set within beautiful surrounds and its spacious grounds provide a great place for students to study and relax. The campus is identified by its landmark architecture, from the grandness of our Chancellery Building with its elaborate spires, to our vibrant, multi-hued library and our state-of-the-art Health and Wellness Building.

ECU Joondalup has world-class facilities for teaching and research, and offers courses in arts, business, communications, computing and security, engineering, health sciences, law, natural sciences, nursing, sports science, psychology, social science and teacher education. An extensive range of facilities, services and support are available, including a modern library with 24-hour access to the e-Lab, a medical centre, a gym, cafés and a tavern.

Construction is well underway on a new building, Ngoolark. This building is scheduled for completion this year, and will be a one stop shop, bringing all student related services under one roof. The building will create an 'active space' with a 'campus street' and new marketplace enhancing the vibrancy of the Joondalup Campus. This state-of-the-art building will meet the equivalent of a five-star energy efficiency rating and integrate with other award winning architecture on Joondalup Campus.

Our Joondalup Campus is part of the Joondalup Learning Precinct, which includes ECU, the Police Academy and the West Coast Institute. During the summer months, we host the Lotterywest Festival Films at the ECU Joondalup Pines Outdoor Cinema, where moviegoers can enjoy watching a diverse line-up of international films.



## ECU MOUNT LAWLEY

Located in the trendy suburb of Mount Lawley and close to Perth CBD, you can't help but be inspired by the artistic vibe at our Mount Lawley Campus. Courses are offered in arts, business, communications, computing and security, creative industries and teacher education. Campus life is always buzzing, with cafés, a sport and fitness centre and a new Student Village all adding to your university experience.

Our Mount Lawley Campus is home to the Western Australian Academy of Performing Arts (WAAPA), giving you the perfect opportunity to enjoy the hundreds of performances and events that they host each year. Kurongkurl Katitjin, ECU's Centre for Indigenous Australian Education Research, is also located on this campus and is an invaluable teaching and support resource for our Indigenous students.

## ECU SOUTH WEST (BUNBURY)

Located two hours south of Perth, our South West Campus in Bunbury is the largest university campus in regional Western Australia, offering small, personalised class sizes and on-campus accommodation. Courses are offered in arts, business, nursing, science, social work and teacher education.

The campus features a café, mini-gym, multi-purpose sports courts, two nursing demonstration wards, science laboratories and a library with 24-hour access to a computer lab. The South West Campus is co-located with the South West Regional College of TAFE, Manea Senior College and two hospitals.





“ECU provided me with the opportunity to network with people in the industry, setting up research collaborations.”

I chose ECU because of the access to supervisors specific to my topic, financial support and the leading research equipment.

I have had a pleasant working experience with my PhD supervisor. He is always able to help and answer my queries and provide support in every aspect of my PhD. We meet regularly at the office or at a cafe.

I have been fortunate enough to be provided with assistance to travel to Europe twice to present at international conferences, and was supported by my supervisors during a one-month research collaboration stay in France.

**Sam Wu**

ECU Exercise Physiology PhD student



## TRANSPORT

All of our campuses can be accessed conveniently via public transport. Our Joondalup Campus is just a five minute walk from Joondalup train station, plus there is also a free CAT bus service available between the campus and the train station. The Mandurah train line provides even greater ease of access. If you live in Mandurah, or along the line, all you need to do is jump on the train and you will be in Joondalup in just over an hour. Buses run frequently between ECU Mount Lawley and Perth CBD daily, and there are also direct bus services to many bus stations in the surrounding suburbs. A number of bus routes travel past ECU South West, and a few end at the Bunbury Health Campus, which is just a short walk away.

## ACCOMMODATION

At ECU, we have excellent accommodation on all three of our campuses. In 2015, brand new accommodation will open at our Joondalup Campus. This multi-million dollar development will offer modern apartments over seven floors of accommodation and a range of enjoyable facilities including a recreation room, barbeques, and a swimming pool. Our \$38 million student accommodation at Mount Lawley features state-of-the-art facilities such as a pool, café, student lounges with wifi, e-library and more. The Resident Assistant Team are there to provide support and assistance in all of the villages, ensuring you enjoy a full student life program. Off-campus housing assistance is also provided. For more information and to apply, visit [www.ecuvillage.com.au](http://www.ecuvillage.com.au)

## STATE-OF-THE-ART FACILITIES

At ECU, we pride ourselves on our industry-relevant, world-class facilities, that allow you to experience modern equipment in real-world environments. Our Joondalup Campus is home to exceptional, purpose-built health and wellness teaching and research facilities, which include self-contained simulation suites that have full video recording and interactive audio-visual technology. Our Engineering and Technology Building on the Joondalup Campus houses state-of-the-art laboratories, research areas for staff and students, innovative student Project Spaces and numerous other high quality teaching spaces.

Our Mount Lawley Campus also boasts a large Mac computer laboratory to service our communications and creative industries students. The new Spectrum Project Space is a beautifully refurbished venue that showcases the research and creativity of our staff and students.

## ONLINE STUDY

If you'd like to study at university but can't attend classes due to reasons such as distance, family or work commitments, then online study may be for you. We have a range of courses and units that are offered online, as well as excellent support services available to assist you while you learn. For more information, visit [www.reachyourpotential.com.au/online](http://www.reachyourpotential.com.au/online)





# Facilities, Services, Access and Support

At ECU, we provide a supportive learning environment through our excellent range of facilities, services and support programs.

## STUDENT CENTRAL

On each campus, Student Central is the first point of reference for all student enquiries regarding academic progress and enrolment assistance, as well as for a range of support services, including access cards and lodgement of forms.

## ACADEMIC SUPPORT

- Fully-equipped, modern libraries
- 24-hour on-campus computing facilities
- Learning Advisers
- Career and Leadership Services
- Faculty Student Information Offices
- Off-campus Student Support Services
- Kurongkurl Katitjin, ECU's Centre for Indigenous Australian Education and Research

## SECURITY AND PARKING

- 24-hours, 7 days a week security service
- Well-lit pathways
- Emergency phones
- Over 5,000 parking bays across all campuses



## EQUITY, DIVERSITY AND DISABILITY

ECU's Equity, Diversity and Disability (EDD) Service supports students whose studies may be affected by a medical condition or disability in accessing support and services that can help them succeed. EDD staff can assist with arranging alternative assessment conditions, access to some aids and equipment, note taking, interpreting and transcription services. Every campus has a specially designed Accessible Technologies Room that provides students with access to adjustable chairs and desks, specialised software, computer, scanner and other adaptive technology. All ECU locations have access for people with disabilities, and specific details are provided via ECU's access and mobility maps at [www.ecu.edu.au/about-ecu/our-campuses/campus-maps](http://www.ecu.edu.au/about-ecu/our-campuses/campus-maps)





“ECU helped me make a career change from teaching to project management.”

After working as a high school teacher for three years, I was ready for a new challenge. I chose ECU's Master of Project Management because I knew the course content was of high standard and because of ECU's amazing facilities. I especially enjoyed the facilities available to the postgraduate business students such as our own labs with 24-hour access.

My lecturers were very supportive and always available for discussion. They were keen to provide feedback, which helped me to improve upon many of my skills.

It was gratifying to find that I could use the knowledge and skills I acquired during my studies to work in any industry. Since graduating, I obtained a role as a Project Officer with the Esperance Port Sea and Land. This role has involved provision of project management assistance to the procurement of a proponent to build, own, operate and transfer a Multi User Iron Ore Facility (MUIOF) at the Esperance Port.

My experience at ECU allowed me to grow personally as well as professionally and I am convinced that completing my Master has given me an advantage over others on so many levels.

**Chali-Sara Silwimba**  
ECU Master of Project Management graduate

## FAMILY SUPPORT

- Childcare
- Parenting rooms
- Crèche
- ECU Kids Holiday Program (Joondalup and Mount Lawley)

## HEALTH AND WELLBEING

- Medical Centres (Joondalup and Mount Lawley)
- Free Counselling service
- Multi-faith Chaplaincy service
- Fully-equipped sports, recreation and fitness centres (Joondalup and Mount Lawley)
- Mini-gym and playing courts (Bunbury)

## RECREATIONAL AND SOCIAL OPPORTUNITIES

- Student Guild
- Clubs and societies
- Intervarsity and Interfaculty sports
- Study Abroad and Exchange Program
- Taverns (Joondalup and Mount Lawley)
- WAAPA Performances on campus

## FOOD AND RETAIL

- Bookshops
- ATMs
- Hairdresser (Joondalup)
- Optometrist (Joondalup)
- Cafés and other food outlets





# Postgraduate Support Services

## ORIENTATION

ECU's essential Orientation program runs for two weeks prior to semester start. We have a range of fun and informative events planned for students during this period which will help you successfully transition and thrive when starting your studies. Events are offered on the Joondalup, Mount Lawley and South West campuses. You can attend any event location, even if you study at another campus or are doing only online units. You can undertake a range of activities that will give you the skills to adapt to uni life, as well as help you become familiar with your course teaching staff and the support services available.

## ONLINE SUPPORT

If you'd like to study at university but can't attend classes due to reasons such as distance, family or work commitments, then online study may be for you. We have a range of courses and units that are offered online, as well as excellent support services available to assist you while you learn. Students are supported through mailing services from the library, telephone and email-supported services like counselling and career advice, and online access to enrolment tools (SIMO) and unit materials (Blackboard). For more information, visit [reachyourpotential.com.au/online](http://reachyourpotential.com.au/online)

## ACADEMIC SUPPORT

Our Learning Advisers are always on hand to assist with a range of study skills and advice on preparing assignments. They conduct workshops, prepare academic skill resources, support other academic staff in promotion of tertiary literacy skills and see students one-on-one and in group consultations.

## CAREER AND LEADERSHIP SERVICES

Career and Leadership Services provide free career counselling and job search support to all current students and alumni up to one year after graduating. Resources and services include:

- Tools to plan and manage your career pathway
- Careers workshops
- Job application skills including résumé and cover letter writing, selection criteria and interviews
- Access to part-time, casual, full-time and graduate employment
- Information on graduate programs
- On-campus employer presentations
- Career fairs
- One-on-one career counselling

For more information, visit [www.ecu.edu.au/careers](http://www.ecu.edu.au/careers)

## FAMILY FRIENDLY ECU

Joondalup and Mount Lawley Campuses have professional, fully accredited and well-equipped childcare centres for children up to five years old. Students will need to check for availability as the centres may have a waitlist. The ECU Sports Centre has a short-term crèche available in Mount Lawley and Joondalup. It's open during semester for children aged two months to seven years. For children aged six to twelve, the ECU Kids Holiday Program runs during school holidays in Joondalup and Mount Lawley.

“ECU offers a wide range of services and support to research students including training and research scholarships.”

One of the great sources of support at ECU is the GRS training seminars. I attended many of these sessions to improve my skills and meet more students from other areas, which also had a good impact on my communication skills as an international student.

I have learnt a lot from my supervisors and other research students. My supervisor is very experienced, friendly and supportive. I have been able to publish my work in an international conference and I am aiming for more journal and conference papers during my PhD journey.

**Samaneh Rastegari**  
ECU Computer and Security Science PhD student





# Research Support

## THE GRADUATE RESEARCH SCHOOL

The Graduate Research School (GRS) offers services and support to Doctoral and Masters by Research candidates to help enhance the quality of the research and research training experience at ECU.

According to the International Student Barometer, the Graduate Research School was rated top in Australia three years running (2011 – 2013), and in 2012 and 2013 was ranked second in the world of the institutions surveyed.

GRS provides a comprehensive training and social program, including training workshops and seminars, academic resources, social and networking opportunities and peer-to-peer support.

For information visit [www.ecu.edu.au/centres/graduate-research-school/](http://www.ecu.edu.au/centres/graduate-research-school/)

## SUPPORT OPPORTUNITIES ADVICE RESOURCES (SOAR) CENTRE

The SOAR Centre is a peer-to-peer service run by ten Higher Degree by Research (HDR) candidates, called SOAR Ambassadors. The centre is focused on building social and academic networks, providing support for research skills training, career development and cultural transition for HDR candidates and Honours students.

SOAR serves as an essential meeting point for one-to-one and group discussions, providing support and collaboration, connecting candidates from a range of backgrounds, cultures, ages and academic disciplines. Group discussions, called SOAR Sessions, are run every semester and cover a range of topics including Photoshop for Researchers, presentation skills, conducting focus groups and tips on how to write a literature review.

For more information visit [www.ecu.edu.au/centres/graduate-research-school/our-services/soar-centre](http://www.ecu.edu.au/centres/graduate-research-school/our-services/soar-centre)





# Postgraduate Degree Awards

There are two main streams of postgraduate programs to choose from – coursework or research.

A postgraduate coursework qualification can help you achieve a variety of goals, including:

- Extending your knowledge and skills gained from previous study or vocational experience
- Helping you progress your career by gaining a competitive advantage, increasing earning potential and professional recognition
- Making a change in career direction
- Moving into academia

A research degree provides the unique opportunity to learn, develop skills and solve real-world problems. Some of the benefits of undertaking a research degree include:

- **Make an original, distinct contribution to knowledge through:**
  - Developing an authentic, practical output to help benefit society
  - Publishing your research
- **Sense of achievement by:**
  - Finding and filling gaps in knowledge to help make a difference
  - Developing new skills and problem-solving abilities
- **Progress your career by developing:**
  - Critical and independent thinking skills
  - The ability to communicate and manage a research project
  - An area of specialisation
  - Transferable skills sought by employers
- **Collaborate with experts by:**
  - Networking with the international community of scholars in your discipline



## RESEARCH

### What is a research degree?

A research degree involves the production of a written body of work that makes an original contribution to knowledge, normally known as a thesis. The research will be developed over a period of time and will involve identifying a topic, developing a proposal, conducting the research and producing the thesis.

For those disciplines with a creative component, the study may result in a creative work (such as a performance or literary item) plus an exegesis (critical explanation or interpretation) to accompany the study and reflect on the creative element.

### Masters by Research

Masters by research degrees at ECU may be one or two years full-time (or the equivalent part-time study) depending on the discipline. Most involve one year of coursework or research skills development units before undertaking a year-long research program which results in the submission of a thesis or creative work.

### Doctor of Philosophy

The Doctor of Philosophy is a supervised research degree involving a three-year full-time research program that culminates in the submission of a thesis or creative work plus exegesis. Candidates are expected to participate in seminars and workshops on topics of research and related study areas. A panel of supervisors will oversee the development and progress of the student's research.

### Professional Doctorate

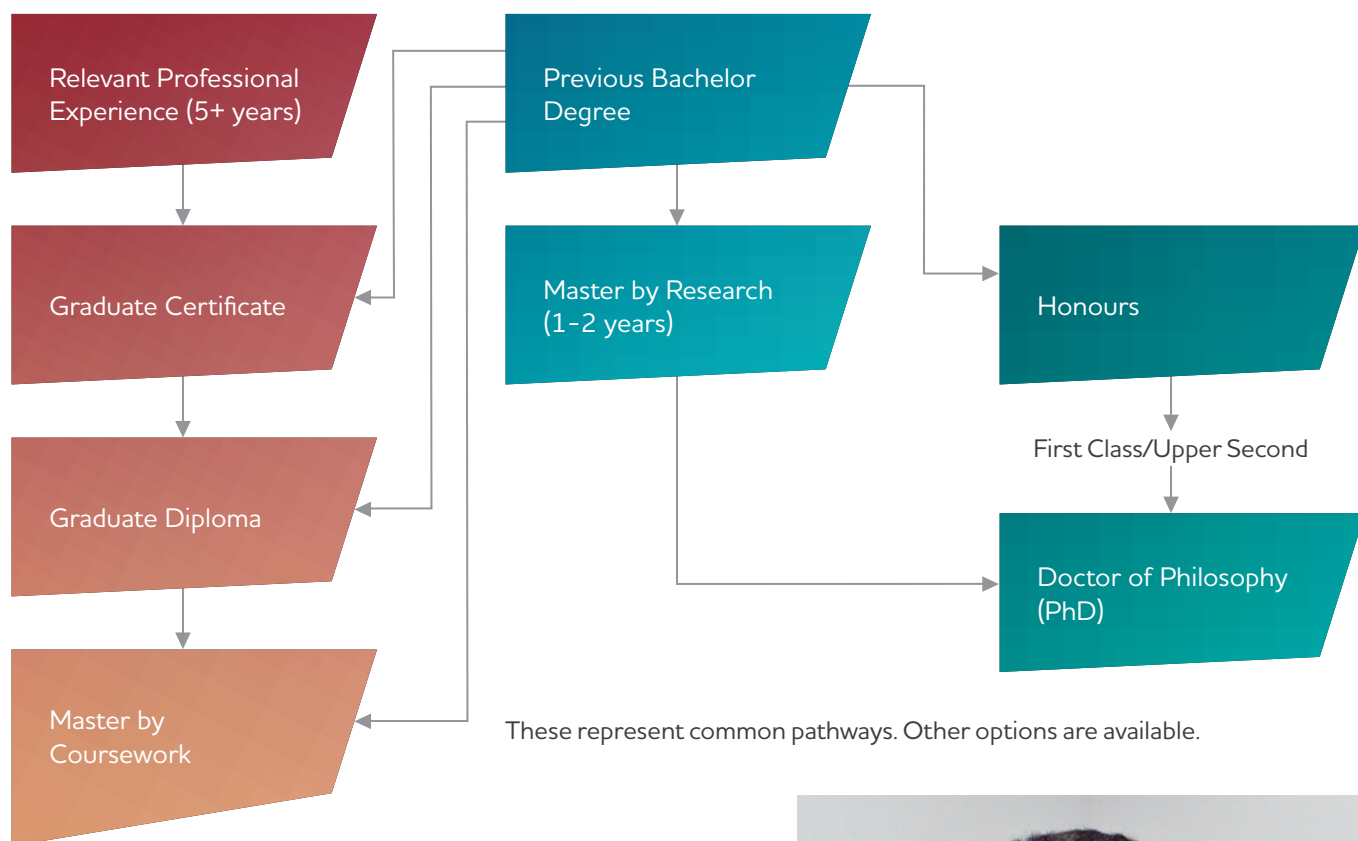
A professional doctorate combines both coursework and research over three years full-time (or the equivalent part-time) study. These programs are structured for industry professionals to develop an in-depth understanding of the latest innovation and technologies within their fields.





# Postgraduate Pathways

There are several pathways to postgraduate study at ECU and you'll be glad to know that you don't necessarily need a degree to qualify. Real-life, industry experience may count. For more information and to check any specific admission requirements of the course you are interested in studying, visit [reachyourpotential.com.au/postgraduate](http://reachyourpotential.com.au/postgraduate)



“The academic and professional training activities have made my PhD research journey more interesting, rich and exciting.”

Being a non-native English speaker the writing and research tools I have acquired during my PhD studies have made a difference in my progress, efficiency and of the quality of my research. Attending various GRS organised training and development workshops and seminars has had a positive impact on my research journey. The GRS SOAR centre also offers customised and face-to-face research and training support.

My greatest achievements have been to have some of my research already published and participating in an international research collaboration experience at one of the top world ranked universities from Canada. I am glad ECU encourages and supports these initiatives.

**Jose Arreola Hernandez**  
ECU Finance PhD student





# Applications and Admissions

Your application process will differ depending on the postgraduate course you are applying for.

## ENTRY REQUIREMENTS

There are minimum admission requirements to enter our postgraduate courses. You must meet these in addition to any special admission requirements for the postgraduate course you intend to apply for. Most postgraduate courses at ECU are available to anyone with a Bachelor Degree, Double Degree, Bachelor Degree with Honours or equivalent.

Some courses require specific degrees or specific subjects to have been completed as part of their admission requirements. Many of our Graduate Certificate courses are available to people who have at least five years appropriate professional experience, who do not possess a Bachelor Degree, Double Degree or equivalent. In this circumstance, your eligibility will be assessed on a case-by-case basis.

## HOW TO APPLY

Applications for all Graduate Certificate, Graduate Diploma, Masters by Coursework or other postgraduate coursework courses should be lodged through ECU's online applications system at [reachyourpotential.com.au/apply](http://reachyourpotential.com.au/apply)

For Higher Degree by Research courses, you will usually need to provide the following documents with your application:

- A brief outline of the research topic you wish to undertake (1–2 pages in length)
- Copies of qualifications (including transcripts)
- Copies of any published papers or journals (if available)

Orientation week begins **9 February 2015**. Make sure you submit your application early to take part.



## WHEN TO APPLY

Semester commencement dates for Masters by Coursework, Masters by Research and Professional Doctorates are usually in late February and late July. To secure your place at ECU, please submit your application as soon as possible.

Applications to undertake a PhD will be accepted throughout the year.



“ECU offered one-to-one supervision and a supervisor who was prepared to learn my chosen methodology.”

I found the help through the GRS research training seminars invaluable. I attended many of the seminars and also benefitted from 2 one to one sessions with a SOAR Ambassador.

My PhD supervisor gave positive feedback, encouraged my strengths and supported me. I had weekly meetings for the last few months that helped enormously.

**Caroline Vafeas**  
ECU Nursing PhD student



# Fees and Financial Assistance

## TUITION FEES

The tuition fees you pay are based on what course and units you choose to study. Fees for 2015 will be available from late 2014. You can estimate the cost of your tuition fees by using our online Fees Calculator available at [fees.ecu.edu.au](http://fees.ecu.edu.au)

The due date for fees is different for each teaching period in which you are enrolled. Under the Research Training Scheme (RTS), Australian and New Zealand Citizens and Australian Permanent Residents undertaking higher degrees by research may be exempt from paying tuition fees.

## FEE-HELP

If you are planning to study a course as a domestic full fee-paying student, you may be eligible for FEE-HELP assistance. FEE-HELP is a Commonwealth loan scheme that assists eligible students to defer payment of their tuition fees. For details, visit [www.studyassist.gov.au](http://www.studyassist.gov.au)

## STUDENT SERVICES AND AMENITIES FEE

The Student Services and Amenities Fee (SSAF) is a compulsory payment collected by the University for the provision of a range of services and expanded initiatives in areas including health, counselling, sport and recreation, social clubs and societies, student welfare, careers advice, student advocacy, orientation and student representation. For more information, visit [reachyourpotential.com.au/services](http://reachyourpotential.com.au/services)

## OTHER EXPENSES

You will be responsible for purchasing text books and any equipment required for your course. The cost of these items varies widely from one course to another. Other expenses that you may incur include food, parking, consumables such as stationery and photocopying, as well as transport costs to and from university, including any work placements or off-campus activities.



## “Psychology at ECU has been a challenging and rewarding journey.”

I began my journey at ECU by enrolling for a Bachelor of Arts (Psychology). After completing my Bachelor of Arts (Psychology) Honours, I am now completing my Master of Psychology.

While studying my Bachelor degree, I double-majored in psychology and criminology, two subjects that I always found fascinating. As part of my studies, I was lucky enough to attend prison visits and sit in on criminal trials. My postgraduate studies have also equipped me with the discipline and skills needed to conduct my own research relevant to practice.

As part of my Master of Psychology, I undertook placements at ECU Psychological Services, as well as external placements in hospital settings. I feel that these have provided me with the necessary skills and knowledge for my future career in working independently and in multidisciplinary team environments.

ECU lecturers are encouraging and supportive and the University provides a friendly atmosphere, accessibility and promotes multicultural values, all of which I consider very important.

**Monique Du Preez**  
ECU Master of Psychology student



# Scholarships and Awards

A number of scholarships are available to current and prospective postgraduate coursework and research students, aimed at providing financial support to assist you with your education and/or living costs. The scholarships available comprise those offered by the Commonwealth Government and ECU. A range of scholarships are also funded by corporate, institutional and private donors.

## COURSEWORK AND HONOURS SCHOLARSHIPS

- ECU Executive Dean's Honours Scholarship (Business & Law)
- Churchlands Teacher's College Memorial Award
- Claremont Teacher's College Memorial Award
- Nedlands (Secondary) Teacher's College Memorial Award
- Mt Lawley Teachers College Memorial Award
- Lesley Lillian Graham Award
- Fogarty Foundation Scholarship
- Indigenous Commonwealth Scholarships

## RESEARCH SCHOLARSHIPS AND AWARDS

- ECU Postgraduate Research Scholarships (ECUPRS)
- Australian Postgraduate Awards (APA)
- International Postgraduate Research Scholarships
- Endeavour Postgraduate Awards
- ECU MERIT Awards
- ECU Postgraduate Research Scholarships
- Dr Susan Holland Scholarship
- Research Master Degree Scholarship
- Inspiring Minds PhD Scholarship
- Industry Engagement PhD Scholarship





“I would definitely recommend ECU to people wanting to complete a Master of Criminal Justice by research.”

I chose ECU because of the flexibility of having on-campus and off-campus course delivery. Being a full time worker, the ability to study in my own time really suited me. My supervisor was fantastic and apart from always being there for me, would also put me into contact with people who could assist in research, data analysis and academic writing. One of the best skills I obtained from undertaking this study was how to critically analyse situations and propose reasoned arguments in response. Additionally, my writing skills enhanced significantly giving me the confidence and ability to write substantial technical reports and proposals. This has been invaluable during my career and enhanced my employability skills. My qualification has certainly helped me obtain senior employment opportunities and progress to a State Manager level. My greatest challenge has been to finish the research for my Master and to graduate. This has been a defining moment for me as it's encouraged me to continue my studies and undertake a PhD.

**Bernadine Tucker**

ECU Master of Criminal Justice graduate  
and Law & Justice PhD student



## ECU POSTGRADUATE RESEARCH SCHOLARSHIPS

Each year, ECU funds scholarships for students preparing to be, or who are already enrolled full-time, in a Doctoral degree or a Master by Research.

- Scholarships are offered on the basis of academic merit and research performance
- Applicants normally hold qualifications equivalent to an Australian first class honours degree, or a Master by Research
- Applicants with a history of significant professional and research experience, combined with lesser academic qualifications, may also be successful if deemed to be equivalent to first class honours
- Applicants must be Australian or New Zealand citizens, or have Permanent Australian Residency status

Length: 1-2 years Master by Research or 3 years Doctoral degree

Value: \$26,000 per annum tax free

Applications open: April and September

Applications close: May and October annually



## AWARDS

### Australian Postgraduate Awards

The Commonwealth Government makes funds available each year for a number of Australian Postgraduate Awards (APA). These scholarships are for ECU students enrolled in or preparing to undertake full-time enrolment in a Doctoral degree or Master by Research.

- Applicants must hold qualifications equivalent to an Australian first class honours degree, or a Master by Research
- Scholarships are offered on the basis of academic merit and research performance
- Applicants must be Australian or New Zealand citizens, or have Permanent Australian Residency status

Length: 1-2 years Master by Research or 3 years Doctoral degree

Value: \$26,000 per annum tax free

Applications open: April and September

Applications close: May and October annually

### ECU MERIT Awards

Each year, ECU MERIT Awards are offered to the top ranked APA recipients commencing a Master by Research or Doctoral degree. These awards are automatically allocated and no separate application is required.

Length: 1-2 years Master by Research or 3 years Doctoral degree

Value: \$5,000 per annum tax free

Direct Offer Only (no applications required/accepted)

For more information, please visit  
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# Postgraduate and Research Highlights

## NEW ENGINEERING PAVILION NEARING COMPLETION

In keeping with ECU's continued commitment to provide world class facilities for its increasing student population, work is fast progressing on the multimillion dollar Engineering Pavilion project at ECU Joondalup. Situated alongside the new multimillion dollar engineering building, this new building will house additional high-end engineering labs, particularly for Chemical, Geotechnical and Renewable Energy Engineering teaching and for research in Materials, Civil and Structural Engineering. Construction is on track and the building is scheduled for completion before the end of 2014.

## RESEARCH HOPES TO SLASH CAR THEFTS

Car thefts in Western Australia have increased by almost 50 per cent in three years but a new research project by the Faculty of Business and Law aims to slash that figure. Launched during WA Police's summer safety campaign, this project led by ECU Criminologist Dr Natalie Gately aimed to gain new insights into car theft through an anonymous online survey. One car is stolen in Australia every 10 minutes, almost 60,000 per year, with more than 9,000 of those in WA. Dr Gately hopes the information garnered from the research will be useful to examine the habits of car thieves with the added benefit of raising public awareness of risk factors.

## BAXTER COMES TO THE SCHOOL OF ENGINEERING

ECU's School of Engineering has welcomed the latest addition to its family – Baxter the robot. The Baxter Research Robot is a humanoid robot platform with two 7-axis arms, integrated cameras, sonar, torque sensors, and direct programming access via a standard Robot Operating System interface. With Baxter as an integral part of their robotics labs, the School of Engineering aims to revolutionize how students can leverage cutting edge technology to develop their own great innovations.

## SEAGRASS CARBON A POTENTIAL GOLDMINE

Centre for Marine Ecosystems Research Director, Professor Paul Lavery, believes Australia could be sitting on a goldmine of carbon dioxide stored in seagrass meadows worth more than \$5.2 billion.

Using conservative estimates, he and his team found there could be more than 150 million tonnes of carbon stored in more than 92,500 sqkm of seagrass ecosystems fringing Australia's coastline.

Based on a carbon trading price of \$35 per tonne in 2020, as predicted by the Federal Government, Australia's Blue Carbon reserves could be worth billions of dollars on the international carbon market.

Professor Paul Lavery said the research showed it was vital Australia's fragile seagrass meadows are preserved. "It's essentially a win, win, win scenario. A win for the economy, a win for conservation and a win for society through the services the ecosystem provides," he said. The study is one of the first to examine the blue carbon storage capacity of Australia's seagrass meadows following similar research in the Mediterranean.

## YOUNG CHILDREN'S INTERNET USE UNDER THE SPOTLIGHT

School of Communication and Arts Adjunct Lecturer Dr Donell Holloway has been awarded a Discovery Early Career Researcher Award (DECRA) from the Australian Research Council for her research on internet use by young children. \$383,899 in funding has been granted for Dr Holloway's research project Digital Play: Social network sites and the well-being of young children.

Investigating whether primary school children have the skills to negotiate social media is the focus of the research project. Young children are increasingly interacting with others in virtual worlds. Dr Holloway's research investigates whether primary school children (aged five to 12) have the social and digital skills needed to safely and constructively engage with these online environments. The aim is to identify competencies and keep young children safe online.

## WIFI SENSORS TO TACKLE BUSHFIRES

A network of inexpensive fire monitoring sensors positioned throughout bush land could be the latest early-warning system in the fight against fires. Researchers from ECU's Centre for Communications and Electronics Research have taken sensors and equipped them with wireless communication technology. Placed throughout an area of bush, the sensors take readings of temperature, oxygen, carbon dioxide levels as well as air contaminants. When smoke from a fire is detected, the sensors can instantly alert fire authorities via wireless internet connection or a text message to a mobile phone, providing accurate GPS information.





“ECU has internationally acclaimed yet down to earth lecturers, state-of-the-art facilities and it’s even close to the beach.”

My research explores the mental health of FIFO workers in the mining sector to generate ‘best practice’ models to benefit both employees and industry. I have the opportunity to visit mining locations such as Kalgoorlie and Karratha to interview employees.

I am lucky to have three exceptional supervisors - it feels like I have a team behind me, cheering me on, advising me and ready to come to the rescue if necessary. I am learning a lot about the academic world from them, and admire their professionalism and dedication. They have also given me valuable opportunities, such as submitting my first journal article. Undertaking a PhD is hard; however with great supervisors I know I will make it.

**Philippa Vojnovic**  
ECU Business PhD student

## COLUMBUS CHAMBER OF COMMERCE WELCOMES ECU COMMUNICATIONS GRADUATE

ECU Master of Professional Communications graduate Evan Windham has taken over the reigns as Executive Director of the Columbus Chamber of Commerce in Columbus, Texas, USA.

Having graduated from ECU’s School of Communications and Arts in 2012, the 25 year old has now returned to her home country.

Evan has a background in marketing and advertising, and has worked in the Agricultural industry. She now intends on working with local businesses to foster a sustainable economy in Columbus.

## MELANOMA EARLY DETECTION HOPE

A \$450,000 grant is assisting ECU researchers to detect melanoma in its early stages using a new blood test. Used in conjunction with visual scans, the highly sensitive blood test for melanoma could reduce the need for invasive skin biopsies. The study is an extension of a preliminary investigation performed in 2012 by ECU School of Medical Sciences Professor Mel Ziman. Involving 40 people, it identified eight blood biomarkers that indicate the presence of a melanoma tumour at very early stages. The National Health and Medical Research Council (NHMRC) development grant will now allow researchers to conduct an expanded study involving 300 people.

## FIGHTING CRIME

The Sellenger Centre in collaboration with WA Police is engaged in research examining the motivation for offending, and tradecraft specific to particular categories of volume crime offenders. This ongoing research will inform crime prevention initiatives and provide new forms of intelligence to aid the apprehension of existing volume crime offenders.

## PHD INDIA-BOUND THANKS TO TRAVEL GRANT

Communications and Arts PhD candidate Rashida Murphy was able to travel to India early in 2014 thanks to a new ECU AsiaBound Research Student Travel Grant.

Rashida’s research areas are immigrant identity, memory and place and this grant enabled her to conduct field research in Mumbai, Delhi and Shimla.

“When I was thinking about doing a PhD, ECU was a natural choice, especially because there are so many published writers and editors in the writing program in addition to senior academics,” Rashida said.

“As a writer it was important for me to know that I would have access to other writers and ECU has plenty of those.”







“The skills and knowledge I’ve acquired and continue to acquire, amaze me.”

I chose ECU because there are many published writers and editors in the Writing program in addition to senior academics. As a writer it was important for me to know I would have access to other writers and ECU has plenty of those. Also the generous scholarship I was offered was equally enticing.

I’ve received the AsiaBound Travel Grant, which I will use to travel to Mumbai University as part of my research for my novel. I am writing about displacement and identity, and the power of memory in shaping the choices we make. I’m focusing on two immigrant groups, especially women, Indian and Iranian, whose exposure through art and literature is sometimes unexplored in Australia.

**Rashida Murphy**  
ECU Writing PhD student

## IMPROVING THE QUALITY AND SAFETY OF MATERNITY CARE BY APPLYING MIDWIFERY RESEARCH TO PRACTICE

In midwifery, like in other health professions, the results of research, known as ‘evidence’, are not always adopted into practice very quickly if at all, even though they often promise to make a positive difference to women and their babies. Lack of a good process for making change happen in maternity care is a key reason why research results are not implemented swiftly. A program of study started by the School of Nursing and Midwifery in 2013 is developing methods to move research results into clinical practice faster. Led by Dr Sara Bayes, this work will provide midwives with practical tools to help them make ‘evidence-based’ change happen in their workplace.

## MEN’S CANCER GROUP SWEATS IT OUT

A study led by the ECU Health and Wellness Institute has found regular group exercise can significantly reduce this risk of depression in men with prostate cancer. The study involved men who had recently been diagnosed with prostate cancer and were receiving treatment. Half of the men were involved in a supervised, group-based exercise program involving twice weekly sessions, while the other half maintained their normal care. After three months, the men in the exercise program reported 40 per cent lower psychological distress levels than those in the control group. The men in the exercise group also reported a five per cent increase in overall mental health and a four per cent improvement in social functioning.

## LITERACY ON THE MOVE

Singing, balancing, jumping and skipping are all part of a cutting-edge movement program developed by ECU Teacher Education researchers that is helping teach children to read and write.

The Moving on with Literacy program, developed by School of Education researcher Dr Deb Calcott, is designed to help children develop the specific physical skills needed to read and write, such as holding a pen and tracking eyes across a page.

The program involves students singing and dancing along to action songs as modelled by their teacher. A year-long study in eight Perth schools has shown the movement program to be effective in improving students’ beginning literacy skills.

## ECU RESEARCHERS CRACK CRIMINAL DRONES

Cyber-security researchers have identified a vulnerability in aerial drones which could allow law enforcement agencies to take control of drones in mid-air to prevent them being used for nefarious purposes. ECU Computing student Matt Peacock and Dr Mike Johnstone from ECU’s Security Research Institute (SRI) found it was possible to hijack the drones’ WiFi connection from a laptop with the right software. The Parrot AR drone tested in this case is a freely available, off the shelf quadcopter equipped with a high definition camera and controlled via a WiFi connection.

Similar drones have seen an enormous increase in popularity in recent times and are commonly used for crop dusting, commercial photography, biological studies and weather reporting.

The ECU report, titled Towards detection and control of civilian unmanned aerial vehicles, has investigated ways to prevent criminal and terrorist activities with similar devices.

## ECU WA SCREEN ACADEMY GRADUATE SCORES BIG

Scholarships, award-winning films and working in the industry are some of the rewards mounting up for Gabrielle Cole, Masters graduate of ECU's WA Screen Academy. The latest feather in Gabrielle's cap is the prize of Best Documentary in the recent Armadale Filmfest for the film Balloon Man. It was produced by Gabrielle in collaboration with fellow WA Screen Academy students, director Gordon Anderson, cinematographer Arwen Gunter and award winning editor, David Ellis.

Gabrielle was also awarded the Mannkal scholarship, which she used to gain valuable industry experience in Los Angeles. Cole is one of a number of WA Screen Academy graduates to have proved they're in demand, securing paid gigs, work placements and major exposure for their films.

With many of the WA Screen Academy films soon to screen on free-to-air television around Australia and shown theatrically, the future of its graduates looks bright. With a recently announced three year sponsorship deal from Channel 9 and a training collaboration with ABC-TV, next year's students have much to look forward to.

## PH SENSOR 500 TIMES THINNER THAN HUMAN HAIR

Nano-scientists at ECU have innovated a new pH sensor 500 times thinner than a human hair, in a state-of-the-art cleanroom facility using ruthenium oxide nano-film. The new device replaces the traditional glass electrode that has been in use since the 1930s, and is so small it fits into a capsule 1cm in length and 0.5 in diameter. Within the capsule, the sensor reads voltage, which is then translated as a pH level or acidity reading of whatever substance is being tested. ECU Electron Science Research Institute Director Kamal Alameh says the new pH sensor can be used widely, from agriculture, oil & gas, environmental science, water treatment, and "anywhere that pH is an important parameter". As the device fits into a capsule, it can also be applied in medicinal settings because patients can swallow the device. The scientists are in talks with parties from oil and gas who are interested in applying the sensor to monitor the pH levels in pipelines.

## WIRELESS SENSORS TO PROTECT MARINE LIFE

A team at the Centre for Communications and Electronics Research has developed, calibrated and tested a prototype wireless sensor network to measure the amount of sunlight being received on the sea floor at selected locations, and report back wirelessly to a computerised monitor anywhere in the world. These small units are relatively inexpensive, enabling a monitoring network to be set up over big areas of the coastal environment and could play an important role in coastal and environmental protection. Sunlight penetration is crucial for seagrasses and the developed wireless monitoring system will help to evaluate and model the impact of dredging at various mine sites on seagrasses.

## RISKSPOTTER LAUNCHED

Researchers at ECU's Centre for Innovative Practice have developed a revolutionary new health and safety tool that teaches and tests hazard identification skills using gaming technology. Aptly named RiskSpotter™ Hazard ID, this easy-to-use tool developed by ECU Researcher Dr Susanne Bahn, is available in a tablet delivery drawing on workplace pictures and audio to overcome literacy issues, making health and safety fun. RiskSpotter Hazard ID can be used across all industry sectors and can be fully customised.

There are minimal English language requirements as the application provides short descriptors fully supported with extended audio tracks that can also be multi lingual if required. There has been a huge amount of interest for the fledgling project from the resources industry as well as other sectors and it has been trialled in an underground mining site since January 2014. Preliminary results indicate a continued downward trend in the organisation's injury statistics, with it reducing by 2.5% per month. Machinery damage claims have also reduced in frequency by 80% since its introduction.

## STRENGTH AND CONDITIONING GRADUATE RECOGNISED

ECU Health and Exercise Sciences Masters graduate Duane Carlisle has been recognised as a Master Strength and Conditioning Coach (MSCC) at the Collegiate Strength and Conditioning Coaches Association national conference in Utah, United States. Currently working as Director of Sports Performance at Purdue Sports, his role includes staff development, training methodology, budget oversight and facility design. Duane graduated from ECU's Master of Exercise Science (Strength and Conditioning) course in 2012. He is now a certified strength and conditioning specialist through the National Strength and Conditioning Association (NSCA).





# Postgraduate Course List

COURSE	MIN YEARS STUDY (FT)	CAMPUS	AVAILABILITY
<b>BIOLOGY &amp; ENVIRONMENTAL SCIENCES</b>			
Graduate Certificate of Environmental Management	0.5	N/A	FT PT OL
Graduate Diploma of Environmental Management	1	N/A	FT PT OL
Master of Environmental Management	2	N/A	FT PT OL
Master of Science (Biological Sciences)	2	JO	FT PT ON
Master of Science (Chemistry)	2	JO	FT PT ON
Master of Science (Environmental Management)	2	JO	FT PT ON
Doctor of Philosophy (Natural Sciences)	3	JO	FT PT ON
<b>BUSINESS</b>			
Graduate Certificate in Human Resource Management	0.5	ML	FT PT ON OL
Graduate Certificate in Information Systems	1	ML	PT ON
Graduate Certificate in Project Management	1	ML	PT ON OL
▲ Graduate Certificate of Business	0.5	JO ML BU	FT PT ON OL
▲ Master of Business Administration	1.5	ML BU	FT PT ON OL
Master of Business Administration International	2	ML	FT PT ON
Master of Business by Research	1.5	JO	FT PT ON
Master of Finance and Banking	2	ML	FT PT ON
Master of Human Resource Management	2	ML	FT PT ON OL
Master of Management Information Systems	2	ML	FT PT ON
Master of Marketing and Innovation Management	2	ML	FT PT ON
▲ Master of Professional Accounting	2	ML	FT PT ON OL
Master of Project Management	2	ML	FT PT ON OL
Doctor of Philosophy	3	JO	FT PT ON
<b>COMMUNICATIONS &amp; ARTS</b>			
▲ Graduate Certificate in Broadcasting (Radio)	0.5	ML	FT ON
Graduate Diploma of Broadcasting	1	ML	FT ON



## LISTINGS KEY

JO	Available on the Joondalup Campus	FT	Available as full-time study
ML	Available on the Mount Lawley Campus	PT	Available as part-time study
BU	Available on the South West (Bunbury) Campus	OL	Available online
▲	Non-standard timetable	ON	Available on-campus
		OLOC	Available online with an on-campus attendance requirement

COURSE	MIN YEARS STUDY (FT)	CAMPUS	AVAILABILITY
Graduate Diploma of Professional Writing and Editing	1	ML	FT PT ON
Master of Arts by Research	2	ML	FT PT ON
Master of Design	1.5	ML	FT PT ON
Master of Professional Communications	2	ML	FT PT ON
▲ Master of Screen Studies	1	ML	FT ON
Doctor of Philosophy (Communications, Contemporary Arts, Design, English, History, Interactive Multimedia, Politics & Government, Writing)	3	ML	FT PT ON
COMPUTING & SECURITY			
Graduate Certificate in Intelligence	1	JO	PT ON OL
Graduate Certificate in Security Management	0.5	JO	PT ON OL
Graduate Certificate of Cyber Security	0.5	JO ML	FT PT ON OL
Graduate Diploma of Cyber Security	1	JO ML	FT PT ON OL
▲ Graduate Diploma of Science (Information Services)	1	JO ML	FT PT ON OL
Master of Computer Science	2	JO ML	FT PT ON OL
Master of Cyber Security	2	JO ML	FT PT ON OL
Master of Digital Forensics	1.5	JO ML	FT PT ON OL
Master of Information Technology	1.5	JO ML	FT PT ON OL
Master of Science (Computer Science)	2	JO ML	FT PT ON OL
Master of Security Management	1.5	JO	FT PT ON OL
Doctor of Information Technology	3	JO ML	FT PT ON OL
Doctor of Philosophy	3	JO ML	FT PT ON
ENGINEERING & TECHNOLOGY			
Graduate Certificate in Geostatistics	1.5	N/A	PT OL
Master of Engineering	2	JO	FT PT ON
Master of Engineering Science	2	JO	FT PT ON
Master of Science (Interdisciplinary Studies)	2	JO ML	FT PT ON

# Postgraduate Course List

COURSE	MIN YEARS STUDY (FT)	CAMPUS	AVAILABILITY
Master of Science (Mathematics and Planning)	2	JO	FT PT ON
Doctor of Philosophy	3	JO	FT PT ON
Doctor of Philosophy (Engineering)	3	JO	FT PT ON
Doctor of Philosophy (Mathematics)	3	JO	FT PT ON
EXERCISE & HEALTH SCIENCES			
Graduate Certificate in Occupational Health and Safety	0.5	N/A	FT PT OL
Graduate Certificate of Exercise Science (Strength and Conditioning)	0.5	N/A	FT PT OL
Graduate Diploma of Occupational Health and Safety	1	N/A	FT PT OL
Graduate Diploma of Public Health	1	JO	FT PT ON OL
▲ Master of Exercise Science (Strength and Conditioning)	1.5	JO	FT PT OLOC
▲ Master of Nutrition and Dietetics	2	JO	FT PT ON
Master of Occupational Health and Safety	2	N/A	FT PT OL
▲ Master of Occupational Hygiene and Toxicology	2	N/A	FT PT OL
Master of Public Health (By Coursework)	2	JO	FT PT ON OL
Master of Public Health (By Research)	2	JO	FT PT ON OL
Master of Science (Sports Science)	2	JO	FT PT ON
Doctor of Philosophy (Public Health)	3	JO	FT PT ON OL
Doctor of Philosophy (Sports Science)	3	JO	FT PT ON
INTERDISCIPLINARY			
Doctor of Philosophy	3	JO ML BU	FT PT ON
LAW & JUSTICE			
Master of Criminal Justice (By Research)	1.5	JO	FT PT ON
Doctor of Philosophy (Criminology/Justice/Law)	3	JO	FT PT ON
Doctor of Philosophy (Planning)	3	JO	FT PT ON



## LISTINGS KEY

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BU	Available on the South West (Bunbury) Campus	OL	Available online
▲	Non-standard timetable	ON	Available on-campus
		OLOC	Available online with an on-campus attendance requirement

COURSE	MIN YEARS STUDY (FT)	CAMPUS	AVAILABILITY
<b>MEDICAL SCIENCES</b>			
Master of Disaster and Emergency Response	1.5	JO	FT PT ON OLOC
▲ Master of Paramedical Science (By Coursework)	1.5	JO	FT PT ON OL OLOC
Master of Paramedical Science (By Research)	2	JO	FT PT ON OL
Master of Science (Human Biology)	2	JO	FT PT ON
Doctor of Philosophy (Medical Science)	3	JO	FT PT ON
<b>NURSING &amp; MIDWIFERY</b>			
Graduate Certificate in Children and Young People's Nursing	1	JO	PT OL
Graduate Certificate in Dementia Studies	0.5	N/A	FT PT OL
Graduate Certificate in Mental Health	0.5	N/A	FT PT OL
▲ Graduate Certificate in Patient Safety and Clinical Risk	0.5	N/A	FT PT OL
Graduate Diploma in Mental Health	1	N/A	FT PT OL
Master of Clinical Nursing	2	N/A	FT PT OL
Master of Healthcare Studies	1.5	JO	FT PT ON OL
Master of Midwifery (By Research)	2	JO	FT PT ON
▲ Master of Midwifery Practice	2	JO	FT PT ON
Master of Nurse Education	1.5	N/A	FT PT OL
Master of Nursing (By Coursework)	1.5	JO	FT PT ON OL
Master of Nursing (By Research)	2	JO	FT PT ON
Master of Nursing (Nurse Practitioner)	2	N/A	FT PT OL
Doctor of Health Science (Clinical Leadership and Management)	3	JO	FT ON
Doctor of Philosophy (Nursing/Midwifery)	3	JO	FT PT ON
<b>PSYCHOLOGY &amp; SOCIAL SCIENCE</b>			
Graduate Certificate in Social Science	0.5	JO	FT PT ON OL
▲ Master of Counselling and Psychotherapy	2	JO ML	FT PT ON
▲ Master of Psychology	2	JO	FT PT ON

## LISTINGS KEY

JO	Available on the Joondalup Campus	FT	Available as full-time study
ML	Available on the Mount Lawley Campus	PT	Available as part-time study
BU	Available on the South West (Bunbury) Campus	OL	Available online
▲	Non-standard timetable	ON	Available on-campus
		OLOC	Available online with an on-campus attendance requirement

COURSE	MIN YEARS STUDY (FT)	CAMPUS	AVAILABILITY
Master of Social Science	1	JO	FT PT ON OL
Master of Social Work (Advanced Practice)	1.5	BU	FT PT OL
▲ Doctor of Philosophy (Children and Family Studies, Community Studies, Counselling and Applied Counselling Skills, Disability, Social Science, Women's Studies, Youth Work)	3	JO	FT PT ON
Doctor of Philosophy (Psychology)	3	JO	FT PT ON
TEACHER EDUCATION			
Graduate Certificate of Behaviour Management	1	ML	PT ON OL
▲ Graduate Certificate of Education (Early Childhood Studies)	1	ML	PT ON
Graduate Certificate of Education (Learning Difficulties)	1	ML	PT ON OL
Graduate Certificate of Education (Literacy Education)	1	ML	PT ON
Graduate Certificate of Education (Special Education)	1	ML	PT ON
▲ Graduate Certificate of Education (Special Education: Complex Communication Needs)	0.5	ML	FT PT ON OL
Graduate Certificate of Education (TESOL)	1	ML	PT ON OL
Graduate Certificate of Education in Educational Leadership	0.5	ML	FT PT ON OL
Graduate Diploma of Education (Early Childhood Studies)	1	ML	FT PT ON
Graduate Diploma of Education (Primary)	1	ML BU	FT PT ON
Graduate Diploma of Education (Secondary)	1	JO ML	FT PT ON
Master of Education (By Coursework)	1	ML	FT PT ON OL
Master of Education (By Research)	1.5	ML	FT PT ON OL
Doctor of Philosophy (Education)	3	JO ML	FT PT ON
WESTERN AUSTRALIAN ACADEMY OF PERFORMING ARTS			
Graduate Diploma of Music	1	ML	FT PT ON
Master of Arts (Performing Arts)	2	ML	FT PT ON
Doctor of Philosophy (Performing Arts)	3	ML	FT PT ON



# ECU Research Week

**15-19 SEPTEMBER 2014**

Undergraduate and postgraduate students, industry partners, members of the Perth community and ECU staff are all welcome to attend Research Week and learn about our research achievements and developments.

The week offers many opportunities for attendees to discover research that is taking place to improve the way we live our lives.

Come and find out about our postgraduate courses, scholarships and potential research careers.

Gain knowledge at our interactive sessions and network with existing postgraduate students, early career researchers and staff and learn about their research journeys.

Be inspired by our guest speakers and research exhibitions, competitions and performances from WAAPA Music and LINK Dance Group.

To access the 2014 program, visit [www.ecu.edu.au/research/week/overview](http://www.ecu.edu.au/research/week/overview)

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Join ECU's vibrant community of researchers, and help transform lives and change the world for the better.

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Edith Cowan University is committed to reducing the environmental impact associated with its operations by conducting its activities in a socially and environmentally responsible manner.

This includes implementing strategies and technologies that minimise waste of resources and demonstrate environmentally sensitive development, innovation and continuous improvement.

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