Macquarie University leading the way

• Australia’s number one modern university, offering internationally recognised and respected degrees

• Maximum 5 out of 5 rating across three science disciplines in the Australian Government’s 2012 Excellence in Research for Australia (ERA) evaluation. In total, 85 per cent of Macquarie’s research activity was rated as performing at world standard or higher.

• Australia’s most technologically advanced private hospital on a university campus which includes the country’s only gamma knife for leading-edge treatment of brain cancer

• The Australian Hearing Hub, which brings together some of the country’s best researchers and service providers to advance research, education and innovation into hearing and language disorders

• Unique learning experiences – centred around the only curriculum to offer People, Planet and Participation units – which produce graduates who are highly skilled, well-rounded and seek to learn everywhere they go

• A campus in one of the largest business and technology precincts in the Southern Hemisphere which creates a hub of innovation and excellence, and provides our staff and students with invaluable opportunities for learning, networking and career advancement

• $1 billion investment in facilities and infrastructure, including the most high-tech university library in Australia, ensuring our research staff and students have access to the best technology and facilities

Contents

The Macquarie experience 4
Macquarie University at a glance 5
Outstanding reputation 6
Research excellence 7
Unique approach to learning 8
Macquarie’s curriculum difference 9
First-class facilities 10
Partnering with industry 12
International relationships 13
Campus life 14
Macquarie is renowned for excellence in interdisciplinary research and teaching, a unique approach to learning, highly skilled graduates and first-class facilities.

Located in the heart of Australia’s largest high-technology precinct, Macquarie benefits from an environment of outstanding research and innovation, as well as learning and teaching opportunities with some of the world’s leading organisations.

Indeed, 85 per cent of Macquarie’s research activity is regarded by the Australian Government as being of world standard or higher. This international research profile is one of the reasons Macquarie is Australia’s highest ranked university under the age of 50 according to the QS World University Rankings.

Macquarie is also known for its distinctive undergraduate curriculum which incorporates national and international community engagement opportunities for all students, helping to build their communication, problem-solving and leadership skills.

The University’s researchers, teachers and students are well supported by recent investments of more than $1 billion in facilities and infrastructure, which includes Australia’s most technologically advanced private hospital on a university campus, aligned with our Australian School of Advanced Medicine. The newest addition to the Macquarie campus is the Australian Hearing Hub, which brings together some of the country’s best researchers and service providers to advance research, education and innovation into hearing and language disorders.

More important than the land and facilities, Macquarie’s greatest asset is its people – a vibrant community of scholars and staff across a broad range of disciplines, led by Vice-Chancellor Professor S Bruce Dowton.

Macquarie University at a glance

Faculties
- Arts, incorporating Macquarie Law School
- Business and Economics
- Human Sciences
- Science

Degrees awarded
- Undergraduate 6383
- Postgraduate 4390
- Total 10,773

Enrolments
- Domestic 27,370
- International 11,377
- Total 38,747

Student attendance type
- Full-time 26,548
- Part-time 12,199
- Total 38,747

Staff full-time equivalence
- Academic staff 1334
- Professional staff 1434
- Total 2768

Alumni 145,000

Financials
- Revenue 738
- Operating result 31
- Assets 2196

Above figures at 2012

Most recent publishable figures at 2011
Macquarie is a comprehensive university, with great research strengths in the sciences, social sciences and the professional disciplines. Macquarie conducts research driven by international collaboration and leads Australia in a range of research disciplines. Home to some of the world’s pre-eminent researchers, Macquarie offers students the best study environment, ensuring they collaborate with outstanding academics.

Recent investments of more than $1 billion in facilities and infrastructure ensure our research staff and students have access to the best technology and facilities, to foster creative innovation which has continual global impact.

In ERA 2012 Macquarie achieved the maximum 5 rating – outstanding performance well above world standard – in three science disciplines: Earth sciences, environmental sciences and physical sciences. In total, 85 per cent of Macquarie’s research activity was rated as performing at world standard or higher.

Over the past five years Macquarie has built on its outstanding reputation through targeted investment in areas of national and international significance. Ninety top-class researchers have been recruited through the Concentrations of Research Excellence program, which is centred on 18 high-performing research areas.

Six Macquarie researchers – Professors Bill Griffin, Ann Henderson-Sellers, Sue O’Reilly, Iain Prentice, Mark Westoby, and Dr Ian Paulsen – are ISI Highly Cited. Additionally, Macquarie is the host institution of, or has a major node in, four of the 13 Australian Research Council Centres of Excellence. These include the Centre of Excellence for Core to Crust Fluid Systems, the Centre of Excellence in Cognition and its Disorders, the Centre for Ultrahigh Bandwidth Devices for Optical Systems and the Centre for Engineered Quantum Systems.
Unique approach to learning

Macquarie is renowned for thinking differently; a philosophy instilled in all Macquarie students. This approach ensures Macquarie graduates are recognised as assets in their work environments as they have the ability to adapt to a rapidly changing workplace.

A feature of a Macquarie education is world-class interdisciplinary degrees developed with graduate outcomes in mind. Combined with opportunities for real-world learning these degrees allow Macquarie students to see the practical application of their knowledge in workplace situations.

Macquarie is also the first Australian university to fully align with European, North American and Asian research training qualifications by offering the Master of Research from 2013. This forward-thinking approach is also reflected in the University’s postgraduate coursework programs which are firmly based on research and are relevant to 21st century challenges.

Across undergraduate and postgraduate studies, and coursework and research, Macquarie offers a unique approach to give students the best future.

Macquarie students have the advantage of attending university in the heart of Australia’s largest high-technology precinct. The University’s location offers outstanding integration with industry, providing students with a superior learning environment, enhanced internship opportunities, and greater exposure to the job market prior to graduation.

When Macquarie students do graduate, they can expect an excellent employment rate and high starting salaries. Almost 94 per cent of Macquarie graduates under the age of 25 are employed full-time within six months of completing their study, with many earning above the national starting salary. Additionally, CEOs around the world rank Macquarie in the top 5 Australian universities for their graduate recruitment.

Macquarie’s curriculum difference

A key component of Macquarie’s unique learning environment is PACE – Participation and Community Engagement – an initiative which facilitates opportunities for students to apply what they are learning within their degree in real-life organisations and environments.

While some universities offer community-based real-life projects as add-ons to formal study, Macquarie is the only university in Australia to offer fully integrated practical experiences within its undergraduate curriculum.

Such experiences help Macquarie students develop communication, leadership, professional and interpersonal skills; as well as practical knowledge; a greater understanding of the workplace environment; and the opportunity to broaden their horizons.

Graduating with these kinds of skills greatly improves Macquarie graduates’ career prospects as employers can see that they have the desirable combination of theoretical knowledge and practical experience.

PACE activities are available at an international, national and local level, and participation can take many forms – internships, field trips, community development projects or service-learning opportunities.

Participation is just one of Macquarie’s 3 Ps – People, Planet and Participation. People units help students understand what it means to live in the social world, and to develop social or cultural literacy, while Planet units assist students to develop scientific literacy and an understanding of what it means to live in the physical world.

With so many opportunities to study, learn and develop as global citizens, Macquarie’s students really do benefit from the University’s curriculum difference.
First-class facilities

Recent investments of more than $1 billion in facilities and infrastructure alongside commercial developments promote strategic alliances with external industry and research-based institutions. Such partnerships offer staff and students invaluable opportunities for learning, networking and career advancement. Examples of recent developments include:

Australian School of Advanced Medicine (ASAM)
Australian School of Advanced Medicine brings together world-class clinicians, researchers and medical educators to create an innovative training program with a focus on future trends in medicine. It is a Concentration of Research Excellence in neuroscience, vascular science and surgery.

KIT-Macquarie Brain Research Laboratory
The laboratory is home to the world’s first child MEG and Australasia’s first whole-head adult MEG system. Researchers within the facility conduct a range of projects into disorders such as autism, dyslexia and stuttering.

Macquarie University Sport and Aquatic Centre
Macquarie’s sports facilities are some of the best university facilities in the country, featuring two pools, football and soccer fields, tennis courts, basketball courts, squash courts, a martial arts area and a gymnasium.

Macquarie University Hospital
As Australia’s only private hospital on a university campus, this high-tech facility is setting new benchmarks in health care. A world leader in neurosurgery, it houses the country’s only gamma knife, as well as other high-tech equipment found nowhere else in Australia.

Australian Hearing Hub
In the Australian Hearing Hub Macquarie brings together some of the country’s best researchers and service providers to advance research, education and innovation into hearing and language disorders.

Cochlear Ltd
Macquarie is home to the global headquarters and principal manufacturing facilities of the world leader in implantable hearing solutions. Cochlear Ltd is also a partner in the University-based Australian Hearing Hub.

Macquarie University library
The library is unique in Australia, featuring the country’s first automated document storage and retrieval system. It is a versatile learning, research and social space, and provides access to a wide range of specialist collections and journals.

Media and science facilities
Macquarie’s multi-million dollar media hub includes professional studio spaces, and industry-standard digital workstations and tools; and the University’s science facilities, fitted with the latest digital technology, are considered to be among the best at a university in the Asia-Pacific region.
Macquarie is located in the heart of Australia’s largest high-technology precinct, providing Macquarie academics with outstanding research and innovation opportunities with some of the world’s leading organisations. It also means Macquarie degrees offer outstanding integration with industry, which provides students with a superior learning environment, enhanced internship opportunities, and greater exposure to the job market prior to graduation.

High-profile industry partners, many of which offer internships to Macquarie students, include Australian Hearing, BCS Innovation, Beiersdorf Australia, Cancer Institute of New South Wales, Citigroup, Cochlear Ltd, Commonwealth Bank of Australia, CSIRO, Datacom, Deloitte, EMC, GlaxoSmithKline, Holocentric, Honeywell, Huawei, JigoCity, Kanazawa Institute of Technology, MACOM, National Acoustic Laboratories, National Measurements Institute, Nielsen, Optus, Parramatta Mission, Red Bull, SBS, Sydney Fish Market, Sydney Grammar School, V8 Supercars and Wesfarmers.

Macquarie’s industry partnerships benefit students through scholarships, internships, prizes for academic achievement and guest lectures by industry partner representatives.

Benefits for industry include access to advice and experience from Macquarie’s world-renowned researchers, opportunities for collaborative research projects, access to equipment and skills, and access to high-performing students.

Macquarie is a university with a global perspective. The University’s curriculum is built around culturally inclusive and internationally focused learning and teaching, and Macquarie enjoys a range of relationships with prestigious universities around the globe.

Macquarie’s research relationships facilitate contributions to leading research in ancient history, business, geosciences, psychology and wireless communications.

Macquarie’s student exchange program with 100 universities in more than 40 countries is among the most extensive in Australia, and the University’s extracurricular leadership programs allow students to broaden their views of the world and in doing so, strengthen their career prospects in a global marketplace.

The University’s cotutelle and joint PhD degree programs are a major feature of Macquarie’s international partnerships. To date, the University has had joint doctoral supervision agreements with 94 universities in 28 countries. Facilitating co-enrolment and co-supervision of doctoral students, the programs enhance international research collaboration between Macquarie and leading research universities which include the Universities of Frankfurt, Edinburgh, Copenhagen, and Strasbourg; and Tsingua, Jilin, and Heidelberg Universities.

Macquarie also offers a number of transnational programs, taught face-to-face with partner universities outside Australia. The degrees are taught by Macquarie and partner university staff, and students graduate with a Macquarie University degree.

Additionally, we welcome thousands of international students from over 100 countries to our campus each year.

International partnerships are key to Macquarie’s continued expansion and development in international relations.
Campus life

Macquarie is located on 126 hectares of park-like campus within the heart of Australia’s largest high-technology precinct in North Ryde, just 15 kilometres from the city centre.

Its own community, the Macquarie campus comes complete with shops, cafes, banks, a bar, a pharmacy, a bulk-billed medical clinic, private hospital, counselling services, financial aid, disability support services, prayer rooms, child care, and on-campus wi-fi. The campus is also walking distance to a major shopping precinct.

The University’s sports facilities are some of the best university facilities in the country. The Sport and Aquatic Centre features a heated outdoor 50 metre swimming pool, a 25 metre heated indoor swimming pool, a gymnasium, as well as group fitness, cycling and yoga studios, squash and basketball courts, and a martial arts area.

Transport options at Macquarie make it one of the easiest universities to get to by public transport. There are over 4000 car spaces on campus, regular buses to and from all destinations, and an on-campus train station.

A vibrant and diverse university, Macquarie strives to be the most socially inclusive campus in Australia. Students and staff from over 100 countries, and who speak more than 50 languages, study and work at Macquarie, and international and intercultural perspectives are incorporated into all aspects of teaching.

Macquarie aims to provide an educational environment where all prospective students with the potential to benefit from higher education have the chance to participate regardless of their background. In employment, Macquarie aims for a highly skilled and diverse workforce, and a work environment which provides meaningful employment and opportunity for career advancement.