



Curtin University

Malaysia

**POSTGRADUATE
COURSE GUIDE**

Coursework and Research Degrees

Make tomorrow better.

gradschool.curtin.edu.my

Life at Curtin Malaysia

With so much to see, do and experience, university life can be an exciting and fulfilling experience.

To ensure it's not a daunting one, Curtin Malaysia offers a range of services and support programmes to make your time at university enjoyable, inclusive and productive.



Explore your global opportunities

● STANFORD UNIVERSITY

As a Curtin student, you will have the opportunity to study at another Curtin campus or at one of our many partner universities in Africa, Asia, Europe, North America or South America.

You will get to experience other cultures and build an international network that will prove invaluable both personally and professionally.

Semester exchange, study abroad and overseas summer schools are just some of the opportunities we offer.

01 PERTH

Perth is a stunning, vibrant and multicultural city and the ideal place to mix study with sports, activities, dining and relaxation.

Our largest campus is located just six kilometres from the city centre. It is a place of inspiration, with technology-rich learning spaces, high-impact research and a wide range of courses that prepare you for your future career.

Visit curtin.edu.au.

Ag Ac Ar BL En He IT Sc

02 MALAYSIA

Located on the island of Borneo, our Malaysian campus is modern and vibrant, featuring lush greenery and lakes. You can study a range of Curtin degrees here, including commerce, engineering, science and arts.

Visit curtin.edu.my.

Ag Ac Ar BL En He IT Sc

03 SINGAPORE

Curtin Singapore is located in one of Asia's major economic hubs, connecting it to the world of international business, and making it the ideal campus to study your commerce degree. You can also study a communications degree and health degrees, including nursing.

Visit curtin.edu.sg.

Ar BL He IT

04 DUBAI

Our Dubai campus gives you the opportunity to study in the heart of Middle Eastern banking, tourism and trade. Its rich culture and economic growth can complement your study in arts, commerce, engineering, or IT and computing.

Visit curtindubai.ac.ae.

Ar BL En IT

05 MAURITIUS

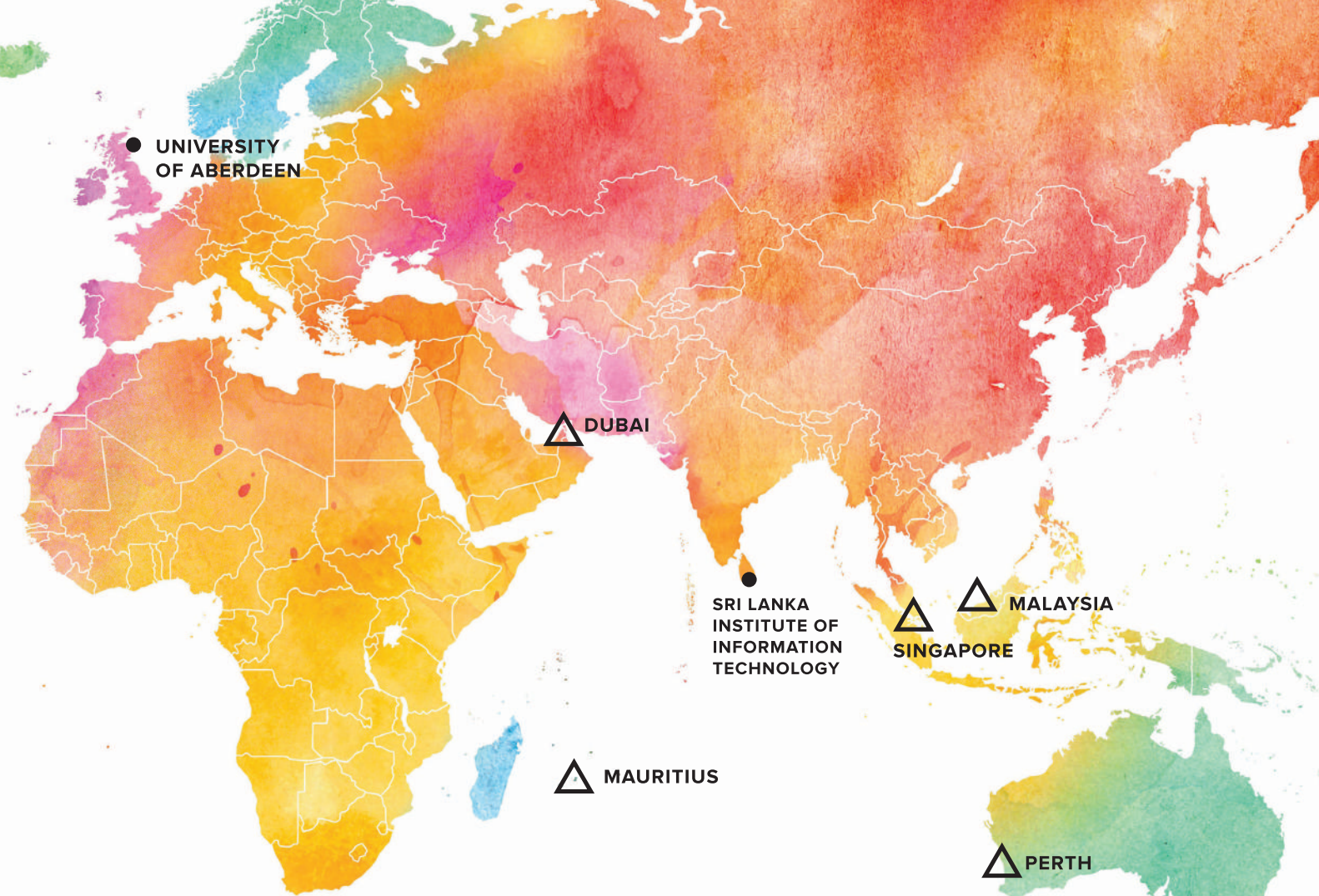
Curtin Mauritius offers courses in design, communications, commerce and science. It delivers a world-class education in a tropical island nation that blends cultures from Europe, Africa and Asia.

Visit curtinmauriti.us.ac.mu.

Ar BL He IT

Ac - Architecture and construction
 Ag - Agriculture, environment and sustainability
 Ar - Arts and creative industries
 BL - Business, management and law

En - Engineering, mining and surveying
 He - Health
 IT - Information technology
 Sc - Physical sciences and mathematics



△ Curtin University global campuses ● Partners

▶▶▶ Visit curtin.edu.au/goglobal.



Project Management

Course essentials

DEGREE

Graduate Certificate in Project Management
(R2/345/6/0394)(07/28)(MQA/SWA0090)

Graduate Diploma in Project Management
(R2/345/6/1071)(07/28)(MQA/SWA0091)

Master of Science (Project Management)
(R2/345/7/0396)(07/28)(MQA/SWA0040)

ENTRY REQUIREMENTS

- **Graduate Certificate**
Appropriate bachelor's degree from a recognised tertiary institution and or; a minimum of five years relevant management experience.
- **Graduate Diploma / Masters**
Appropriate bachelor's degree from a recognised tertiary institution or Graduate Certificate in Project Management.
- Recognition of Prior Learning is considered on an individual basis.

ENGLISH COMPETENCY

IELTS 6.5 overall, no less than 6.0 in each section, or other proficiency equivalent. Completion of a bachelor's degree in which English was the language of instruction can also be viewed as satisfying the English requirement. This will be assessed on a case-by-case basis.

DURATION

Graduate Certificate

Part Time: 8 months

Full Time: 4 months

Graduate Diploma

Full Time: 1 Year

Part Time: 2 Years

Master's

Full Time: 1.5 Years

Part Time: 3 Years

LOCATION

- PERTH
- MALAYSIA

INTAKES

- FEBRUARY
- JULY

This course is an intensive programme

Visit:

courses.curtin.edu.my/courses-and-study/postgrad/coursework/projectmanagement/



Course description

Project Management is a distinct professional discipline with its own body of knowledge, skills, tools and techniques. It involves managing a project from inception to completion and the successful attainment of the project's objectives.

In this course, you will learn the processes and techniques associated with project management, including cost, time, quality, risk, communication, human resources and procurement management.

You will explore the application of quality management to projects including planning, assurance, certification, audits, control, training, benchmarking and best practice. You will also be trained in leadership, team management and motivation.

The master degree is divided into a professional stream and a research stream. The degree comprises three levels of study, with completion of one level providing credit towards the next. You can choose, to exit the degree at the graduate certificate or graduate diploma level.

Career opportunities

The Federal Department of Education, Science and Training predicted that Project Management will be the fastest growing occupation. There is a growing demand for Project Managers in industries such as construction, engineering, law, education, health, commerce, information technology, and development. All courses are accredited by the International Project Management Institute (PMI). All programs are endorsed by the Australian Institute of Project Management.

Industries

- Commerce
- Construction
- Education
- Engineering
- Event Planning
- Health
- IT
- Law
- Marketing and Public Relation
- Resources

Why Project Management at Curtin Malaysia?

- Our Project Management programmes are designed to be applicable to projects in a variety of industries including construction, health, engineering, education, commerce, information technology, research and development.
- The Master of Science (Project Management) is accredited by the Project Management Institute (PMI). Curtin is the only university in Western Australia and one of only nine universities in the entire Asia Pacific region to have such accreditation.
- Project Management is one of the fastest growing professions worldwide as project management skills and abilities are highly demand in almost every commercial sector, as well as in government and non-government organisations.
- The Curtin Project Management programme was developed based on the internationally recognised 'Project Management Body of Knowledge' (PMBOK).

Public Health

Course essentials

DEGREE

Graduate Certificate in Public Health
(N/0912/7/0012)(03/25)(MQA/PSA13759)

Master in Public Health
(N/0388/7/0002)(10/28)(MQA/PSA16754)

ENTRY REQUIREMENTS

- A bachelor degree from a tertiary institution, preferably in health, education, behavioural sciences, social sciences or management.
- "Credit for Recognised Learning" (CRL) is considered on an individual basis.

ENGLISH COMPETENCY

IELTS 6.5 overall, no less than 6.0 in each section, or other proficiency equivalent. Completion of a bachelor's degree in which English was the language of instruction can also be viewed as satisfying the English requirement. This will be assessed on a case-by-case basis.

DURATION

Graduate Certificate in Public Health

Full Time: 0.5 - 1 Year

LOCATION

- PERTH
- MALAYSIA

INTAKES

- FEBRUARY
- JULY

Course description

This new multidisciplinary course is designed for those seeking to develop their skills and knowledge in public health. Whether you already work in public health or want to move into this field, our course can prepare you for contemporary public health practice that addresses traditional and emerging issues that threaten to negatively impact communities and the environment.

The Master of Public Health teaches students a range of conceptual knowledge and practical skills to support public health action across educational, organizational, socio-economic, environmental and political domains to improve population health.



You will gain thorough grounding in the major areas of public health with content scaffolded across the course to enhance your learning. In the second year, you will have the opportunity to carry out research with an academic supervisor or enhance your practice and leadership skills.

Career opportunities

As a graduate, you may work in a number of fields, including health administration, protection or promotion. You may work in the public sector or with non-government organisations, such as the Heart Foundation, Cancer Council and Red Cross; or with research institutes, universities and international bodies, such as the World Health Organization.

Industries

The curriculum is designed from a global public health perspective. You will be collaborating with peers from all over the world.

There are a number of study options available including fully online, full-time or part-time study.

You will acquire important knowledge and skills, which will benefit you from day one and help you make a difference in your current role.

Why Study Public Health?

This course will teach you how to effectively plan, implement and evaluate public health programs in a variety of settings. You will learn to measure public health and explore major problems in both developed and developing countries.

The curriculum is designed from a global public health perspective. You will be collaborating with peers from all over the world and will be taught by highly qualified and experienced teaching staff. Our students come from a variety of fields, including medicine and allied health, biomedical and laboratory-based sciences, nutrition, occupational and environmental health, health promotion, social sciences, education, communications, business and management.

Visit:

courses.curtin.edu.my/courses-and-study/postgrad/coursework/public-health

International Business



Course essentials DEGREE

Master of International Business
(N/345/7/1119)(01/26)(MQA/PSA11205)

ENTRY REQUIREMENTS

- Completion of a degree from a recognised university
- Credit for Recognised Learning (CRL) is considered on an individual basis.

ENGLISH COMPETENCY

IELTS 6.5 overall, no less than 6.0 in each section, or other proficiency equivalent. Completion of a bachelor's degree in which English was the language of instruction can also be viewed as satisfying the English requirement. This will be assessed on a case-by-case basis.

DURATION

Full Time: 1 Year
Part Time: 2 Years

LOCATION

- MALAYSIA
- PERTH
- MAURITIUS
- SINGAPORE

INTAKES

- FEBRUARY
- JULY

Course description

Gain the knowledge and expertise needed to advance in the field of international business and management. It entails both independent study and team projects across a range of relevant, internationally focused subjects. You may also have the opportunity to plan and experience an international study tour.

During your course, you will have the opportunity to undertake a cross-disciplinary stream of four units. This is a multi-faculty initiative, linking the MIB with a wide choice of specialisations. The cross-disciplinary nature of these streams means you will have the opportunity to interact with students from other faculties.

Streams

- Project Management

Career opportunities

- Business Development Manager
- Talent Manager
- Chief Executive Officer
- Branch Manager
- Head of Operations
- Country-wide Director
- University and Higher Institution Lecturer
- Business Analyst

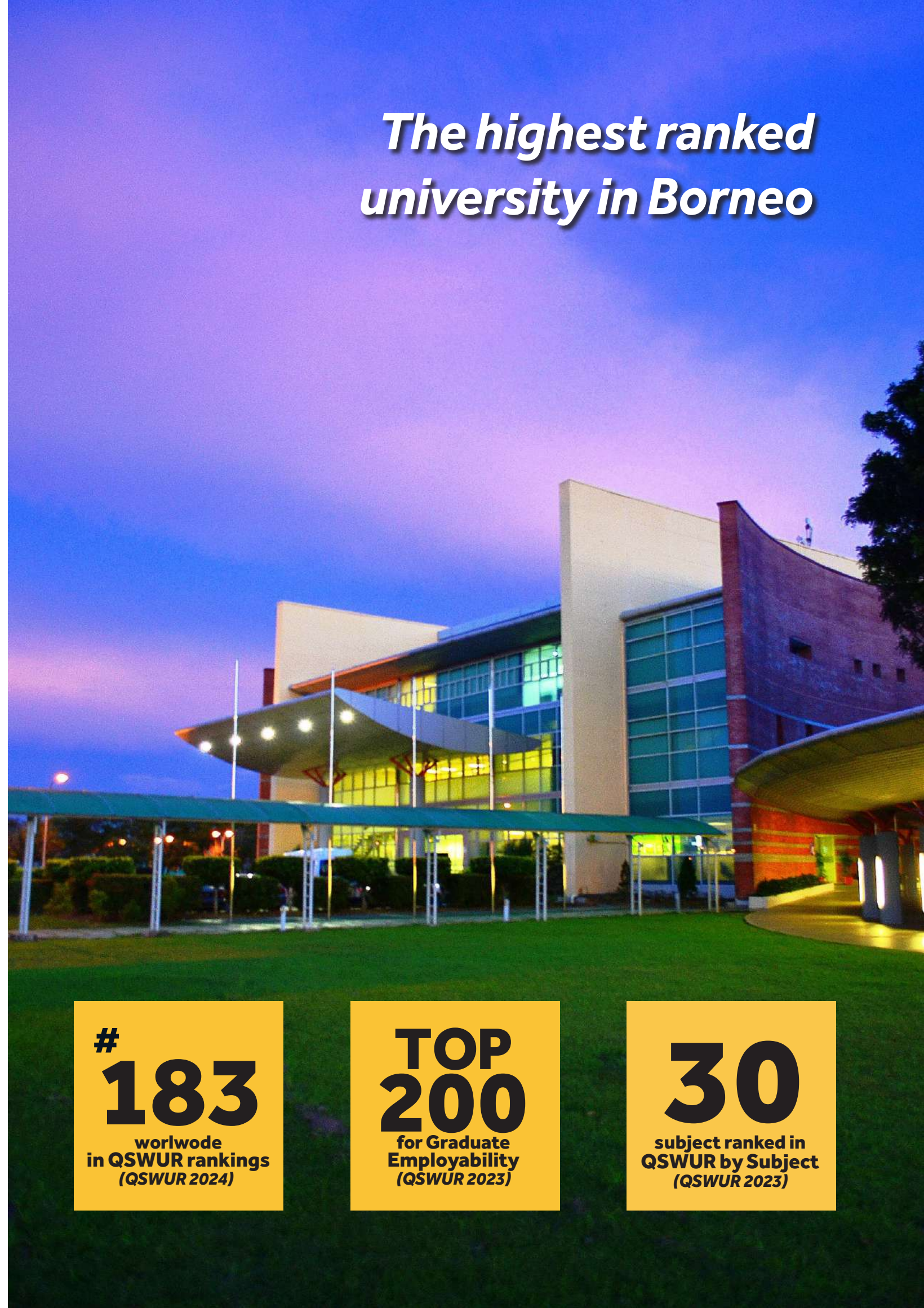
Why International Business at Curtin Malaysia?

- Develop the skills required to lead and facilitate internationalisation activities of organisations.
- Get an 'edge' in terms of cross-cultural interaction, both internal and external to an organisation.
- Learning is applied and focuses on current issues in the global, regional and national business environment.
- Our staff are highly experienced, internationally educated and trained, and do not shy away from real issues.

Visit:

courses.curtin.edu.my/courses-and-study/postgrad/coursework/master-of-international-business

The highest ranked university in Borneo



183
worldwide
in QSWUR rankings
(QSWUR 2024)

**TOP
200**
for Graduate
Employability
(QSWUR 2023)

30
subject ranked in
QSWUR by Subject
(QSWUR 2023)

*Why choose
Curtin for
postgrad study ?*

**TOP
1%**
worldwide in
ARWU Rankings
2023

★ ★ ★ ★ ★
5
Star
University in
QS Stars Ranking
2024

17th
in the world
QS Top 50 under 50
Ranking 2021



Higher Degrees by Research

Higher degree by research (HDR) programs at Curtin Malaysia leads to the qualifications of Master of Philosophy (MPhil) or Doctor of Philosophy (PhD).

Completion of a particular degree program requires substantial original contribution to the knowledge or understanding of a study field and demonstration of the candidate's capacity to conceive, design and carry to completion independent research.

For the award of PhD qualification, the candidate should also have uncovered new knowledge either by the discovery of new facts, the formulation of theories or the innovative re-interpretation of known data and established ideas.

The Curtin Malaysia Graduate School

All Higher Degrees by Research (HDR) are administered by the Curtin Sarawak Graduate School. The Graduate School sets the academic standard, reviews and implements policies and monitoring progress of all research students. It also provides resources and general research training to ensure students conduct their research in a supportive and stimulating environment.



Doctoral programmes

The Doctor of Philosophy (PhD) normally requires at least three years of supervised individual research study. Doctoral degree candidates are expected to uncover new knowledge either by the discovery of new facts, the formulation of new theories, or innovative interpretation of known data and established ideas. It is expected that the results from a doctoral research study are publishable in reputable academic journals.

The minimum admission requirement is a master's degree by research or a bachelor's degree with first or upper second class honours.

Doctoral candidates may conduct part of their research at Curtin Sarawak, and the rest at Curtin Perth. This arrangement depends on the nature of your project and the supervisory arrangement.

Master's programmes

The Master of Philosophy (MPhil) normally requires one to two years of supervised individual research study. The successful completion of the MPhil indicates the candidate has contributed significantly to the field of study and is capable of carrying out independent research.

The minimum admission requirement is a bachelor degree with second class honours.

Business

Our Higher Degree by Research programme generally does not follow a structure of lectures, tutorials, assessment items and exams. Instead, our HDR students build a close association with their supervisors and the key part is writing a thesis under the guidance of a supervisor and other members of the thesis committee

Research clusters

We have rich research clusters that are contextualised according to the depth and expertise of academic staff, and more specifically to the demography, economic condition, and life of people in Sarawak and Malaysia. These clusters are imperative to enrich our knowledge and to the future social and economic development of communities within this region.

Entrepreneurship and Organizational Performance

Entrepreneurship is key to economic competitiveness. Small and medium-sized enterprises (SMEs) are globally the engines of growth and predominate in Sarawak. Entrepreneurship and SMEs are areas of study in their own right and our research also focuses on innovation policy for development, indigenous entrepreneurship, family businesses and sustainable enterprises. Further work overlaps with organisational performance, addressing family firm performance and entrepreneurship orientation in accounting. Another area concerns high performance work systems and high involvement work processes, involving underpinning questions such as competence development, employee voice, employee well-being, work-life balance, absenteeism and turnover. Related labour market research is exploring skills mismatches, employability, skilled migration and expatriation. Specific studies are underway on developing a human capital index for Malaysia; work readiness of graduates in Malaysia; and high involvement working in large knowledge-intensive enterprises in ASEAN.

Governance and Disclosure

Corporate governance and disclosure are inexorably linked research areas, in part because the financial accounting system provides important information to aid in the effective operation of corporate governance and control. Poor corporate governance oversight of the financial reporting process has been cited as attributing to many financial scandals. Research projects exploring governance and disclosure include the assessment of corporate governance at firm and country level, corporate governance mechanisms, governance in public sector, corporate voluntary disclosures and performance.

Financial Markets and Macroeconomic Dynamics

Researchers in this cluster are working on three parallel themes: Financial Market Integration and Resilience; Stochastic Financial Modelling and Simulation; and Dynamic Atmosphere and Economic Growth. Financial market integration and resilience has become increasingly important since the Asian Financial Crisis and more particularly the Global Financial Crisis, the results of which are still apparent in all economies. Market integration exposes financial institutions to extended risks, so the resilience of financial systems is a major concern for regulatory authorities, even if the effectiveness of regulations is open to question. Researchers are exploring market integration, regulations and resilience. The sub-cluster of Stochastic Financial Modeling and Simulation focuses on modeling high frequency financial data for the microstructure of target markets and exploiting more appropriate stochastic processes for describing the macrostructure of price evolution. In relation to macro-economic growth, researchers are exploring alternatives to simplistic GDP measures, broadening the concept of economic growth to include human development in studying dynamic systems.

Marketing and Tourism

The ASEAN region offers one of the fastest growing markets for international businesses and it is expected that opportunities for developing new markets will be enhanced through ASEAN market integration. Cultural, linguistic and religious diversity in the region present challenges but also opportunities for MNCs that take a long term strategic interest in the region. This research cluster represents a vibrant research community drawing strength from diversity in research interest. Academic staff are actively researching in the broad areas of consumer behaviour, branding, advertising, public relations and tourism. Particular importance is placed on topics close to the local culture and environment of Sarawak, including eco-tourism, Halal consumption and multi-ethnic marketing. Eco-tourism, cultural tourism and sustainable tourism are of interest in the Borneo context with its concentration of national parks and indigenous peoples.

Business Information Systems and Operational Research

This cluster involves research in Business Information Systems and Operational Research. Work in the first area addresses individual behavioural information systems and organisational information systems. At the individual level, the research topics include social media and social networking, online gaming and addiction and online collaborative learning. On the other hand, organisational information systems research topics include cloud sourcing, big data and analytics, inter-organisational systems, information systems audit, and strategic IT alignment. Considered a branch of mathematics, operational research is an interdisciplinary field that involves applying advanced analytical methods to improve decision making. Applications regularly arise in business and energy systems, financial services, health services, telecommunications, and transportation. Areas affected include revenue management, supply chains, energy and the environment, financial engineering, healthcare management, telecommunication and transportation networks.

Engineering and Science

In support of its commitment to innovation and excellence, the Faculty of Engineering and Science's research teams strive to create new knowledge and share that knowledge by educating and inspiring tomorrow's leaders to make a difference for Malaysians and the people of the region.

Research Clusters

Bio-process Technologies

- Bio-process technologies
- Bionanotechnology
- Bioremediation and bioremediation
- Environmental Science

Energy and Environment

- Energy system dynamics
- Energy resources & management
- Water resources
- Environmental hazards
- Computational engineering science
- Renewable energy
- Renewable energy based applications
- Hydrology & environmental geochemistry
- Geomechanics.

Intelligent System, Design and Control

MIMO cooperative wireless communications, digital filter set design for bandwidth-efficient multiuser communications, wideband waveform design for radar and sonar, wireless sensors, digital filter set, Intelligent systems, intelligent vehicle vision systems, bio-mechanics: 2D and 3D human motion detection, multi agent systems, nature inspired algorithms, soft sensor and predictive tool development, Radio astronomy data processing, nonlinear and robust control systems, decentralised control systems, stochastic and quantum control systems, Model Predictive Control (MPC), iterative identification-controller design, multi-scale control, advanced PID controller synthesis, Continuous and fed-batch bioprocesses, electro-mechanical systems, time-delay systems, large-scale multivariable chemical plants.

Materials and Structures

- Carbon nanomaterials
- Advanced structures
- Advanced materials and machining
- Microwave pyrolysis
- Polymer and composite
- Geomechanics and geotechnical



MASTER OF PHILOSOPHY



1-2 Years - Full Time
2-4 Years - Part Time

DOCTOR OF PHILOSOPHY



2-4 Years - Full Time
4-8 Years - Part Time

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MASTER OF PHILOSOPHY

1-2 Years - Full Time
2-4 Years - Part Time



DOCTOR OF PHILOSOPHY

2-4 Years - Full Time
4-8 Years - Part Time

Humanities

By choosing to study a humanities postgraduate qualification, you are choosing to study a course that is applied and relevant to corporate society and industry. You will be exposed to industry through the duration of your study; through a combination of theory, project-based training and internships, and you will graduate with the practical skills and knowledge valued by employers.

Research Clusters

Media Studies

Our Media Studies research focuses on the role of media in today's society. The fast-paced development of new technologies and changing trends, as well as more complex audiences, have become a challenge for the media to understand the changing needs of the world. This research area aims to understand the theories of media and link relevant research to the role and application of media in today's world. It includes the representation of race and gender in film and television shows, the impact of reality shows on audiences, and the representation of Sarawak natives in films.

New Media

The evolving New Media channels have inevitably impacted the identity and social fabric of nations across the world. This research area explores the immense possibilities offered by online media, how democracy or political changes effect one another, online media and electoral politics, and the interrelationships between old and new media.

Cultural and Indigenous Studies

This research area focuses on changes in social behaviour and the structure of society, and how they affect culture. Areas of study include development and impact on indigenous communities, preservation and sustainability of Sarawak's ethnic cultures, oral histories and material culture, and ethnographies.

MASTER OF PHILOSOPHY



1-2 Years - Full Time
2-4 Years - Part Time

DOCTOR OF PHILOSOPHY



2-4 Years - Full Time
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Curtin Malaysia Research Institute

The Curtin Malaysia Research Institute (CMRI) was established to promote research excellence. Research at the Institute emphasises multi-disciplinary and collaborative endeavours to develop holistic solutions encompassing scientific, technological, social and economic aspects with the potential to increase business competitiveness and enhance the well-being of communities in Malaysia and the broader region.

Alongside the research topics which normally find a home in the Faculties of Engineering and Science, Business, and Humanities, the CMRI also encourages collaborative research in:

Big Data Analytics

Big data refers to data sets that are so large or complex that traditional data analysis techniques cannot cope with them. Thus, new kinds of databases to store the data and algorithms to find meaningful patterns within the data are required. These new methods are being employed in:

- Radio Astronomy Data Processing
- Bioinformatics
- Remote Sensing
- Financial Analysis
- Signal Processing
- Ontology Engineering
- Mapping Social Media Data

Water Management

Research in water chemistry and treatment processes - including desalination and potable use of treated wastewaters - and cost-effective water-treatment processes for

groundwater and surface water. Areas of research within the Centre include:

- Characterisation of Natural Organic Matter Disinfection By-products
- Water Recycling
- Aesthetics of Drinking Water
- Drinking Water Treatment & Water Distribution Systems

Indigenous Futures and Community Engagement

Analysis of the impacts and opportunities presented by resource developments on indigenous groups in remote areas. Identification of, and the addressing of the cultural, social, economic and political barriers to successful indigenous participation and involvement in economic development.

Sustainable Food

The diverse areas of sustainable food production, including agricultural practice; new approaches in food production to prevent chronic disease; farm management; economic, sustainable food production; environmental health; and innovative grain foods.

Health Informatics and Genomics

The utilisation of databases and informatics

techniques to support health services research. A key focus is development data linkage methodology and protocols to derive critical knowledge synthesis and transfer. Key areas include:

- Patient Safety and Health Outcomes
- Health Systems Evaluation
- Health Information Systems Design
- Population Health Genomics

Bioprocess Technologies

The applied science of the production of microbial products of commercial value such as fine and bulk chemicals, and microbial cells:

- Fermentation Microbiology
- Upstream Processing
- Downstream processing
- Project evaluation and profitability analysis





All courses at Curtin Malaysia are recognised by the Malaysian Ministry of Higher Education through the Malaysian Qualifications Agency. Curtin Malaysia is one of eight institutions granted self-accreditation status by the MQA.



For more information

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