

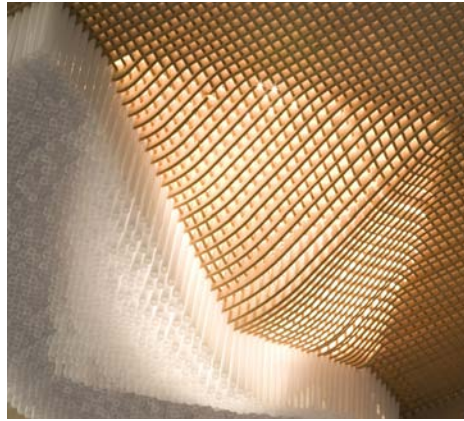
BUILT ENVIRONMENT

Architecture
Interior Architecture
Construction Management and Economics
Urban and Regional Planning

CURTIN
CREATIVE



curtincreative.curtin.edu.au



All about:

BUILT ENVIRONMENT AT CURTIN

Built Environment at Curtin University of Technology, Perth, Western Australia, offers forward-looking, professional courses relating to the design, management and construction of the man-made surroundings in which we live, ranging from large-scale civic surroundings to personal places.



Throughout its 40 year history, Built Environment at Curtin has established an enviable reputation for producing graduates who become innovative leaders in their field. Courses are focussed on four undergraduate degree programs including Architecture, Interior Architecture, Urban and Regional Planning and Construction Management and Economics. Each program is internationally recognised and equips graduating students with in-depth theoretical knowledge, relevant practical skills and industry links to succeed in their chosen career.

The courses connect students with experienced and enthusiastic lecturers, researchers and leading practitioners from the professions. Studio projects in each program often are formed from real initiatives within Perth and Western Australia. Studying at Curtin also allows students to work in an international context, with opportunities for fieldtrips and work experience across the globe.

FACILITIES

Built Environment students have access to the latest specialised equipment and facilities such as:

Acoustics and Lighting Laboratory to assess performance in building materials and construction

Audio-visual Laboratory to loan photographic and video equipment and enables experimentation and offers technical support

Computer Laboratories including PCs and graphic work stations with CAD and 3D modelling, multimedia and other software relating to design, building science and building measurement

Materials Library with catalogues and samples of materials, fixtures and furniture

Resource Centre with literature, records and other material related to architecture and the building industry

Workshops such as the wood and metal model-making workshops have staff available for advice and help.

All about:

Bachelor of Applied Science (Architectural Science) Master of Architecture



Course Code: 165810 - 310460
Cricos Code: 003868A - 058728C
TISC Code: CUAHC

Entry Requirements

Prerequisites:

Bachelor of Applied Science (Architectural Science): None

Master of Architecture: 60% course weighted average in final year of the Bachelor of Applied Science (Architectural Science)

ATAR (TER): 80

Mature Age: STAT - E, and either V or Q

Specific Requirements:

Folio and interview are required for non-school leavers.

Visit humanities.curtin.edu.au/portfolio for details

Duration and Availability

Bachelor of Applied Science: three years full-time or the equivalent part-time study.

Master of Architecture: two years full-time or the equivalent part-time study.

Total program: five years.

Intakes: February only

Campus: Bentley

Curtin offers one of the most progressive, balanced and successful Architecture programs in Australia and South East Asia. As a result, Curtin graduates are highly regarded in the profession and immediately employable.

Architecture combines the creative practices of architectural design studio with the cultural, social, technical and sustainable issues that are associated with the built environment. The relationship between the natural and constructed environment, the architectural proposition and the occupation of space forms a critical component of the education process.

Course Organisation

In first year, students are taught in collaboration with the Bachelor of Arts (Interior Architecture), working individually and in teams. Students gain a foundation in design and theory, building technology and sustainability, design communications and the principles of academic writing. Extended in the second and third years, with further units in architectural design, history and theory, building science and technology, and visual communication techniques. Students may exit after the first degree and undertake further studies in another field or seek a technical position in the building industry.

The three-year Bachelor of Applied Science is the prerequisite for entry into the Master of Architecture degree, which involves a further two years of study in advanced design project work, architectural history, theory and research, along with studies in management, law and

professional practice, and a major self-directed architectural project in a specialised area of interest. The two qualifications combined provide students with the educational qualification component that forms part of the requirements for registration as an architect and for membership of the Royal Australian Institute of Architects.

Teaching Methods

More than 20 full-time academic staff, plus numerous industry-based practitioners and guest lecturers teach the program. The learning environment is studio based-design supported by tutorials and lectures. A strong architectural community is developed in the Department through exhibitions and publications.

Career Opportunities

Career opportunities for architects are plentiful in Australia and overseas.

Real World Practice

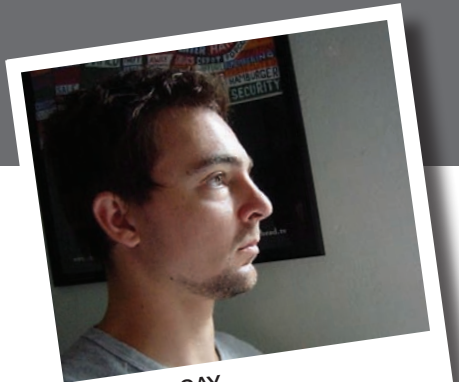
The course is taught by industry experienced staff and students have access to industry-standard equipment and software. Students also have the opportunity to participate in an overseas field trip as part of their studies.

Graduate Profile

MICHAEL GAY

Bachelor of Applied Science
(Architectural Science)
Architect, London

“Curtin seemed to offer a better grounding in the technical skills that I thought would be needed as an architect. Despite an avid interest in the theoretical side of architecture I did not want to finish university without a solid foundation from which to build my career. Overall I thoroughly enjoyed my time at Curtin. I really appreciated the academic environment and utilised the universities facilities.”



MICHAEL GAY
Bachelor of Applied Science
(Architectural Science)

Course Structure

BACHELOR OF APPLIED SCIENCE (ARCHITECTURAL SCIENCE)

Year 1 Semester 1	hrs/wk	credits
Architectural Design 101	6.5	37.5
Building Technology 101	3	12.5
Design Communication 101	2	12.5
Architecture and Culture 101	3	25
Communication Principles 111	2	12.5

Year 1 Semester 2	hrs/wk	credits
Architectural Design 102	6.5	37.5
Building Technology 102	3	12.5
Ecologically Sustainable Design 102	2	12.5
Architecture and Culture 102	2	12.5
Design Communication 102	4	25

Year 2 Semester 1	hrs/wk	credits
Architectural Design 201	6.5	37.5
Building Technology 203	4	25
Building Science 201	2	12.5
Architecture and Culture 201	2	12.5
Computer Aided Design 201	2	12.5

Year 2 Semester 2	hrs/wk	credits
Architectural Design 202	6.5	37.5
Building Technology 204	4	25
Building Science 202	2	12.5
Architecture and Culture 202	2	12.5
Architectural Techniques 202	2	12.5

Year 3 Semester 1	hrs/wk	credits
Architectural Design 301	6.5	37.5
Building Technology 301	4	25
Building Science 301/321	3	25
Architecture and Culture 301	2	12.5

Year 3 Semester 2	hrs/wk	credits
Architectural Design 302	6.5	37.5
Building Technology 302	2	12.5
Building Science 302	2	12.5
Architecture and Culture 302	2	12.5
Elective		25

MASTER OF ARCHITECTURE

Year 4 Semester 1	hrs/wk	credits
Architectural Design 541	6.5	50
Architectural Law and Contracts 541	2	12.5
Architecture and Culture 541	3	25
Architectural Research Methods 541	2	25

Year 4 Semester 2	hrs/wk	credits
Architectural Design 542	6.5	50
Architectural Practice and Specifications 542	2.7	25
Architecture and Culture 542	2	12.5
Architecture Special Topic 542	2	12.5

Year 5 Semester 1	hrs/wk	credits
Architectural Design 651	6.5	50
Architectural Coordination 651	3	25
Architectural Dissertation Preparation 651	2	12.5
Architecture Special Topic 651	2	12.5

Year 5 Semester 2	hrs/wk	credits
Architectural Dissertation 659	1	75
Architectural Management 652	2	25

Please refer to the Curtin Online Handbook for information regarding units: handbook.curtin.edu.au

Professional Recognition

On completion of the Bachelor Applied Science (Architectural Science) and the Master of Architecture graduates are eligible to receive accreditation from:

- Architects Accreditation Council of Australia (AACA)
- Architects Board of Western Australia, as the academic requirement for registration as an architect. Registration is achieved by approved postgraduate experience and the passing of Board examinations in architectural practice
- Royal Australian Institute of Architects as a requirement for associate membership on completion of registration requirements
- Commonwealth Association of Architects
- Singapore, Malaysia and Hong Kong architectural boards.



Architecture Students,
Sugar tower challenge

All about: Bachelor of Arts (Interior Architecture)



Kim Ling artwork



Course Code: 153799
Cricos Code: 023967K
TISC Code: CUARC

Entry Requirements

Prerequisites: None
ATAR (TER): 70
Mature Age: STAT - E, and either V or Q

Specific Requirements:

Folio and interview are required for non-school leavers.

Please visit humanities.curtin.edu.au/portfolio for details

Duration and Availability

Four years full-time or the equivalent part-time study

Intakes: February only
Campus: Bentley

Professional Recognition

Meets the requirements for professional membership of the Design Institute of Australia (www.dia.org.au) and the International Federation of Interior Architects/Designers (www.ifworld.org).

Curtin offers the only professional course in Interior Architecture in Western Australia; a diverse and innovative program that equips graduates to practice as professional interior designers.

Interior architecture graduates are able to find creative solutions to problems relating to the function and quality of people's built environment. The program provides a solid foundation in the theoretical aspects of design, combined with a technical knowledge of interior construction, equipment and building systems. Students also develop communication and administration skills.

The course is taught by enthusiastic and dedicated professionals who are active in research and practice, thereby ensuring this program is at the cutting edge of design and relevant to global conditions.

Course Organisation

The first year is run in collaboration with the Bachelor of Applied Science (Architectural Science) where students work individually and in teams with architecture students. For the following three years, students continue their studies in the streams of design, technology, science, theory, communication and professional practice.

Teaching Methods

Interior Architecture staff are all highly experienced and with excellent industry knowledge. Many obtained their tertiary qualification from Curtin, and so have experienced the program first-hand. The learning environment is studio-

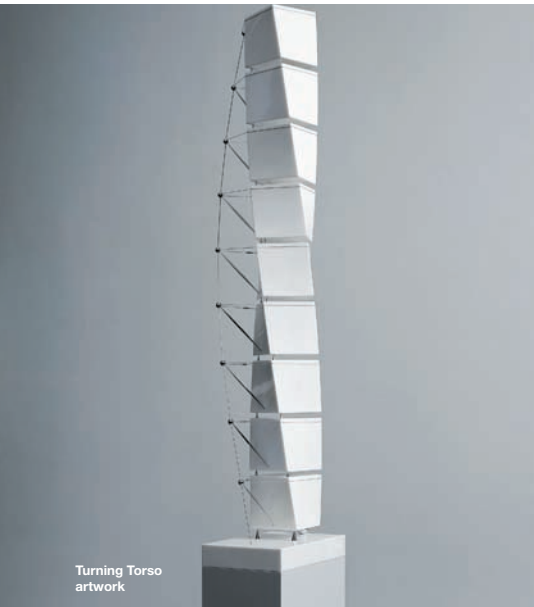
based design supported by tutorials and lectures. A strong research community is developed in the Department through exhibitions and publications.

Career Opportunities

Interior designers are employed either individually or within a practice of interior designers or architects.

Interior designers undertake the planning, spatial design, design development, construction documentation and contract administration of a vast range of building interiors such as: public spaces; office, commercial and retail buildings; residential developments and a diverse range of complex interiors for the hospitality, entertainment and health care industries as well as the restoration and conservation of the interiors of historic buildings.

Opportunities exist for overseas travel to broaden professional experience. Graduates may also become specialists in areas such as heritage and conservation, furniture design, lighting, colour theory and universal design.



Turning Torso artwork

Course Structure

BACHELOR OF ARTS (INTERIOR ARCHITECTURE)

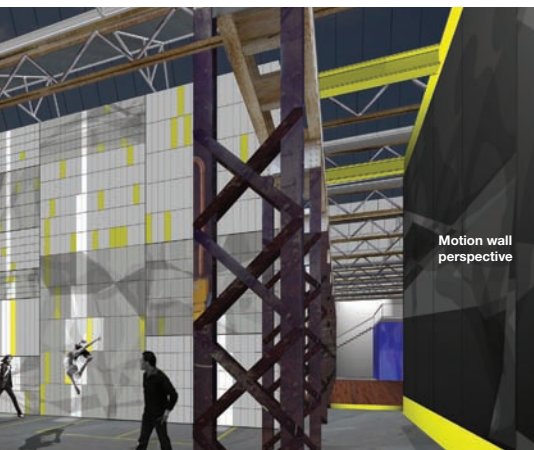
Year 1 Semester 1			Year 3 Semester 1		
	hrs/wk	credits		hrs/wk	credits
IA Design 121	6.5	37.5	IA Design 321	6.5	37.5
Building Technology 101/121	3	12.5	IA Technical Studies 321	3	12.5
Architecture & Culture 121	3	25	Building Science 301/321	3	25
Communication Principles 111	2	12.5	IA 20th Century Development in Interiors 321	2	12.5
Design Communication 101/121	2	12.5	IA Research Methods 321	2	12.5
Year 1 Semester 2			Year 3 Semester 2		
	hrs/wk	credits		hrs/wk	credits
IA Design 122	6.5	37.5	IA Design 322	6.5	37.5
Building Technology 122	3	12.5	IA Technical Studies 322	3	12.5
Ecologically Sustainable Design 122	2	12.5	Building Science 202/322	2	12.5
Architecture and Culture 122	2	12.5	IA Design Career Strategies 322	3	12.5
Design Communication 122	4	25	Furniture Design Workshop 222	4	25
Year 2 Semester 1			Year 4 Semester 1		
	hrs/wk	credits		hrs/wk	credits
IA Design 221	6.5	37.5	IA Design 421	6.5	50
IA Technical Studies 221	3	12.5	IA Project Development 421	3	25
IA Materials 221	2	12.5	IA Law, Contracts & Specifications 421	2.7	25
Furniture & Culture 221	2	12.5			
IA Design Communication 221	5	25			
Year 2 Semester 2			Year 4 Semester 2		
	hrs/wk	credits		hrs/wk	credits
IA Design 222	6.5	37.5	IA Dissertation 499	1	75
IA Technical Studies 222	3	12.5	IA Practice 422	2	12.5
IA Colour Theory 222	2	12.5	IA Management 422	2	12.5
Architecture & Culture 202/222	2	12.5			
Elective		25			

Please refer to the Curtin Online Handbook for information regarding units: handbook.curtin.edu.au

Real World Practice

Work experience: Students are required to complete a minimum of 40 days approved industry work experience in their own time, prior to embarking on the final year of the degree.

Annual field trips: Trips linked to studies are available to students and can be taken towards their elective study. Field trips have been held in the Netherlands, China, Vietnam and Malaysia.



Motion wall perspective

Graduate Profile

AMY MCDONNELL

Bachelor of Arts (Interior Architecture)

Interior Architect, Taylor Robinson Architects

"I have been privileged to work on a diverse range of projects at Taylor Robinson Architects and I apply my skills across various stages of the design and construction process. I have also been given the opportunity to pursue my interest in hospitality design, and in the coming months I will be working on the Leederville Hotel Redevelopment. As an interior architecture graduate at the moment there are exciting job prospects and I feel that the course has prepared me well to enter into this fast-paced industry."



AMY MCDONNELL
Bachelor of Arts (Interior Architecture)

All about:

Bachelor of Applied Science (Construction Management and Economics)



Course Code: 153599
Cricos Code: 010548C
TISC Code: CUAMC

Entry Requirements

Prerequisites: None
ATAR (TER): 70
Mature Age: STAT - E, and either V or Q

Duration and Availability

Four years full-time or the equivalent part-time study.

Intakes: February and July
Campus: Bentley

Construction Management and Economics prepares students for a wide range of exciting professional roles in building and construction-related industries.

The course provides professional training for work as a project manager, quantity surveyor, construction manager, estimator, contract administrator and building surveyor. It includes 80 days of work experience, and is led by a small dedicated team of professionals with qualifications in construction-related disciplines.

The course has been designed in conjunction with the construction industry and its professional associations to ensure recognition within the industry and high levels of employability.

Course Organisation

The course is management-orientated and focuses on a broad range of interrelated disciplines covering domestic, commercial and civil construction.

The core subject areas are:

Technology

Considers the physical elements of construction and how they go together to form a complete structure. Material components are discussed and their impact on the natural environment is examined.

Measurement and Estimating

Calculates the cost of materials and work in building the construction project and describes the techniques and principles employed in arriving at these figures.

Project Management

Reviews the management of projects, examining industrial relations, safety and health issues, time management, site management, quality management and property development.

Contracts Administration

Presents the legal aspects applied to construction and building contracts while the project is in progress.

Cost Management

Illustrates contemporary techniques appropriate to cost planning and building design options. Sets out the economic framework of construction including value management.

Communication

Fundamental to construction. All forms, written, visual and oral, are assessed. Students also gain knowledge of computer applications. This unit underpins all the above subject areas.

Career Opportunities

Graduates have excellent employment opportunities and often start on high pay rates (the average salary for a Construction Manager as at April 2009 is \$130,000 according to www.mycareer.com.au).

Graduate employment opportunities include: project management consultants; quantity surveying consultants; building construction companies; facility management; property



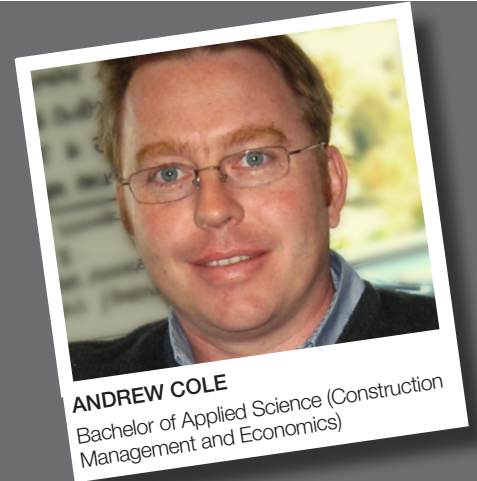
Graduate Profile

ANDREW COLE

Bachelor of Applied Science
(Construction Management and Economics)
Senior Contracts Officer

"I worked in construction contracting for a short time after graduating, then accepted a position with a large mining company where I have worked on several projects and contracts for capital works, and now focus on contract management in IT and other technology systems projects.

The course equipped me with valuable skills and knowledge. Doing an Honours project allowed me to specialise slightly in a field of interest and that has been quite helpful."



ANDREW COLE
Bachelor of Applied Science (Construction Management and Economics)

Course Structure

BACHELOR OF APPLIED SCIENCE (CONSTRUCTION MANAGEMENT AND ECONOMICS)

development; civil engineering; local, state and federal government agencies. Self-employment opportunities are also available if small business is a favoured career choice. For example, it is possible to become a registered builder and establish a building construction business once suitable experience has been gained.

Real World Practice

Students are required to complete 80 days of approved professional work experience in the construction industry, prior to their final year. Students studying full-time often do this over their semester breaks. Students studying part-time and working in this industry may find this requirement has been met as an outcome of their employment.

Regular site visits to major development sites within the Perth metropolitan area are conducted throughout the course.

Professional Recognition

This course has been designed in conjunction with the construction industry and professional associations:

- Australian Institute of Building (AIB) and Australian Institute of Quantity Surveyors (AIQS) - accredited by both Institutes, upon graduation students may become a corporate member of these Institutes. Experience requirements include two years approved field practice after graduation and an assessment of professional competence.
- Internationally the course is recognised by the Board of Quantity Surveyors Malaysia and the Royal Institution of Chartered Surveyors.

Year 1 Semester 1	hrs/wk	credits
Project Management 141	3	25
Building Technology 145	4	25
Communication for Architecture and Planning 111	3	25
Cost Management 141	4	25

Year 1 Semester 2	hrs/wk	credits
Project Management 144	3	25
Building Technology 146	4	25
Building Measurement 144	3	25
Structures 144	4	25

Year 2 Semester 1	hrs/wk	credits
Building Measurement 241	4	25
Building Law 242	2	12.5
Project Management 241	3	25
Structures 241	2	12.5
Building Technology 245	4	25

Year 2 Semester 2	hrs/wk	credits
Building Surveying 244	2	12.5
Building Measurement 242	2	25
Cost Management 244	3	25
Building Technology 246	4	25
Professional Practice 241	2	12.5

Year 3 Semester 1	hrs/wk	credits
Building Surveying 341	2	12.5
Building Technology 343	4	25
Contract Administration 343	4	25
Cost Management 341	2	12.5
Building Measurement 345	3	25

Year 3 Semester 2	hrs/wk	credits
Building Technology 344	3	25
Integrated Project 344	2	12.5
Project Management 344	2	12.5
Quality in Building 344	3	25
ELECTIVE		25

Year 4	hrs/wk	credits
Construction Management and Economics Fourth Year Stream		200
or		
Honours Stream Construction Management and Economics		200

Please refer to the Curtin Online Handbook for information regarding units: handbook.curtin.edu.au

All about: Bachelor of Arts (Urban and Regional Planning)



Course Code: 153899
Cricos Code: 003903C
TISC Code: CUAPC

Entry Requirements

Prerequisites: None
ATAR (TER): 70
Mature Age: STAT - E, and either V or Q

Duration and Availability

Four years full-time or the equivalent part-time study

Intakes: February and July
Campus: Bentley

Professional Recognition

Fulfills the academic requirement for accreditation by the Planning Institute of Australia (PIA). After graduation and a period in the workforce, students are eligible for admission as members of this professional body.

Be part of a growing field of activity: protect the public interest in development decisions, and have a meaningful involvement with enhancing your surroundings and improving the quality of life for everyone.

The issues involved when deciding how a piece of land should be used or an area is developed are complex and the planner requires considerable breadth of knowledge and a wide range of skills to explore and resolve them.

Urban and regional planning is not only about land use and the environment, but also involves communication, design, economics, law, and the needs of people and communities.

Course Organisation

First and second year introduces students to the fundamentals of planning including planning systems, political, social, economic and environmental issues as well as skills in graphics and computing for analysis in a suburban context and in a central city area. Specialist studies include transport, tourism, heritage, landscape and participatory planning.

In third year students develop evaluation techniques, regional and rural resource planning, and urban regeneration and development assessment. Students look at professional practice and how to tackle individual research.

In the final year, planning law, theory, integrated planning and development processes are addressed. Students also study research methods, and undertaken a dissertation.

Teaching Methods

Most units include a planning project, closely integrated with the lecture program connecting theory and practice. Projects may include a subdivision design, urban change analysis, a local authority planning scheme and a regional development study.

Group projects enable students to learn to work as part of a team, while individual projects and the dissertation develop independence and initiative. The teaching staff maintains contact with the profession by carrying out research and consultancy projects for such agencies as the Ministry for Planning and local authorities.

Career Opportunities

Curtin graduates have an excellent reputation with employers and over the last few years have achieved an excellent employment record and tend to enjoy generous salaries.



Field work

Course Structure

BACHELOR OF ARTS (URBAN AND REGIONAL PLANNING)

Year 1 Semester 1			hrs/wk	credits	Year 3 Semester 1			hrs/wk	credits
Suburban Analysis 111	3	25			Planning Evaluation Techniques 311	3	25		
Planning Graphics and Design 111	3	25			Regional Planning 311	3	25		
Introduction to Planning 101	2	25			Urban Regeneration 311	3	25		
Communication for Architecture and Planning 111	3	25			Rural Resource Planning 311	3	25		
Year 1 Semester 2			hrs/wk	credits	Year 3 Semester 2			hrs/wk	credits
Urban Analysis 112	3	25			Professional Practice 312	3	25		
Transport and Society 112	1.5	12.5			Development Assessment 312	3	25		
Environmental and Coastal Planning 112	3	25			Planning Report 314	2	25		
Governance for Planning 112	3	25			ELECTIVE		25		
Diversity & Cultural Planning	2	12.5			Year 4 Semester 1			hrs/wk	credits
Year 2 Semester 1			hrs/wk	credits	Planning Research Methods 413	3	25		
Local Planning 211	3	25			Planning Law 413	3	25		
Planning for Housing 211	3	25			Planning Theory 413	3	25		
Planning for Sustainability 211	3	25			International Perspectives for Planning 413	3	25		
Planning for Economic Development 211	3	25			Year 4 Semester 2			hrs/wk	credits
Year 2 Semester 2			hrs/wk	credits	Planning Dissertation 414	1	50		
Participatory Planning 212	3	25			Integrated Plan Making 414	3	25		
Transport Planning 212	5	25			Development Processes 414	3	25		
Site Planning 212	3	25							
Landscape Planning and Heritage 212	3	25							

Please refer to the Curtin Online Handbook for information regarding units: handbook.curtin.edu.au

Real World Practice

Includes regular field work with practical planning projects each semester. Students also have the opportunity to participate in an international study trip to investigate and explore urban planning solutions employed in overseas countries

Students often take the final year on a part time basis while working in a planning office in the public or private sector.

Graduate Profile

MARTIN KEEN

Bachelor of Arts (Urban and Regional Planning)
Senior Planner, East Perth Redevelopment Authority (EPRA)

Winner, Urban Development Institute of Australia (UDIA) (WA) Young Development Professional Scholarship in 2008

"I chose to study urban and regional planning due to the diversity of the career paths it offered me. I chose Curtin because it offered a Planning Institute of Australia (PIA) accredited course and I respected the University's reputation for quality."



MARTIN KEEN
Bachelor of Arts
(Urban and Regional Planning)

International Students

International students studying in Australia on a student visa can only study full-time and there are also specific entry requirements that must be met. Please refer to www.international.curtin.edu.au or phone +61 8 9266 7331 for further information, as some information contained in this booklet may not be applicable to international students. Australian citizens and permanent residents, and international students studying outside Australia, may have the choice of full-time, part-time and external study. Information about TISC only applies to Australian residents.

Information in this publication is correct at the time of printing and is valid for 2009, but may be subject to change. In particular, the University reserves the right to change the content and/or method of assessment to change or alter tuition fees of any unit of study, to withdraw any unit of study or program which it offers, to impose limitations or enrolment in any unit or program and or to vary arrangements for any program. Part time and external study is only available to Australian resident students and international students studying outside Australia. Full details of units an course structure can be obtained by contacting the above or electronically from <http://handbook.curtin.edu.au>

General Enquiries

Future Students
Curtin University of Technology
GPO Box U1987
Perth Western Australia 6845

Tel: +61 8 9266 1000
Email: futurerstudents@curtin.edu.au
W: humanities.curtin.edu.au

International Enquiries

Tel: +61 8 9266 7331
Fax: +61 8 9266 2605
W: international.curtin.edu.au

CRICOS Provider Code 00301J (WA), 02637B (NSW)

FURTHER STUDY OPPORTUNITIES

Honours

An Honours program is available for the Construction Management and Economics, Interior Architecture and Urban and Regional Planning undergraduate degree programs for students whose academic performance exceeds a given level throughout their undergraduate degree program. The Honours programs includes a specific year of study embedded within the final year of the undergraduate program.

Postgraduate Courses

Postgraduate programs are available in the areas of:

- Project Management
- Development Planning
- Urban and Regional Planning

For details about the programs visit:

humanities.curtin.edu.au

Research

Research degrees at the Masters and PhD level are available in all areas of the Faculty. Advice and assistance for prospective and current postgraduate research students is available from the Humanities Graduate Studies Office.

Visit: hgso.curtin.edu.au or email: humanities.postgrad@curtin.edu.au

Curtin also operates a number of university-wide grant and fellowship programs. Further information on these opportunities can be obtained from Research and Development at Curtin.

Visit: research.curtin.edu.au

humanities.curtin.edu.au

Curtinnovation

Curtin aspires to be a leading edge university of technology. To fulfil this vision, we strive to be innovative and forward-looking in everything we do. It's in our approach to teaching and learning. It's in our research. It's in our staff, our students and our graduates. It's in the way we think and act. It's what we call Curtinnovation.