Bachelor of Design (Architectural Studies) (DE40)

Year offered: 2010
Admissions: Yes
CRICOS code: 056386C
Course duration (full-time): 4 years
Domestic fees (indicative): 2010: CSP $3,784 (indicative) per semester
International Fees (indicative): 2010: $11,000 (indicative) per semester
Domestic Entry: February
International Entry: February
QTAC code: 412372
Past rank cut-off: 92
Past OP cut-off: 5
OP Guarantee: Yes
Assumed knowledge: English (4, SA)
Preparatory studies: For information on acquiring assumed knowledge visit http://www.studentservices.qut.edu.au/apply/ug/info/knowledge.jsp
Total credit points: 384
Standard credit points per full-time semester: 48
Course coordinator: Mr Andrew Scott (as of July 2010 - previously Ms Sheona Thomson)
Discipline coordinator: Mr Paul Sanders
Campus: Gardens Point

Why choose this course?
If you undertake Architectural Studies you will have the opportunity to undertake workplace learning as part of your course.

Career outcomes
The Bachelor of Design (Architectural Studies) is a four-year full-time pre-professional degree in architecture. On graduating from this course you may enter the workforce as an architectural technician or you may choose to articulate into the Master of Architecture, which will qualify you as an Architect.

Practical teaching
You will undertake real world projects often with real clients. This increases your practical experience bringing you one step closer to your chosen career.

Industry links
You will be exposed to the ideas of guest lectures and industry professionals. Our academic staff are industry experienced and are also members of international networks and collaborative research projects.

Course structure
You will have the opportunity to undertake studies in other disciplines or take part in workplace integrated learning.

Facilities / technology
You will have first-hand experience of the latest technologies used in the industry by evaluating your projects and building prototypes in QUT’s state-of-the-art 3-D Visualisation Laboratory.

Convenience
You will study at QUT’s Gardens Point campus in the centre of Brisbane, within easy walking distance to public transport, including buses, trains and ferries.

Who should do this course?
If you enjoy the following Architectural studies could be for you
- interest in design
- creative flair
- able to analyse problems logically
- good communication skills.

Career Outcomes
The Bachelor of Design (Architectural Studies) is a four-year full-time pre-professional degree in architecture. Graduates of this course may articulate into the Master of Architecture.

Architects design buildings, provide concepts, specifications, detailed drawings and plans. They oversee construction, negotiate with planning authorities and inspect the work in progress. They are required to have design skills and technical knowledge of materials and processes used in construction. Architects can be employed in general practice or choose to specialise. Some of the specialisations available are commercial, industrial and institutional developments, historic building conservation and housing renovation. They can also be involved in project feasibility studies and strategic asset investigations. Architecture embraces art, technology and service. Architects play a leading role in interdisciplinary teams to solve problems of the built environment. A Bachelor of Architecture gives graduates exciting career choices and the opportunity to travel and work in Australia or overseas.

Overview
Design is the focus of this course; these studies are supported by studies in architectural technology, history and culture of architecture, ethical and legislative frameworks, and the study of architecture in practice.
QUT Entry Bonus Scheme
The QUT Entry Bonus Scheme applies to students completing Year 12 or equivalent in 2009 and applying for entry in 2010.

QUT will award two bonus QTAC ranks for students who successfully complete Maths C or LOTE (Language Other Than English) in secondary school and apply to start a Bachelor of Urban Development at QUT in 2010.

QUT will also award one bonus rank to students who, while at school, successfully complete one or more university-level subjects at any Australian university.

Professional Recognition
DE40 Bachelor of Design (Architectural Studies) has received preliminary assessment from the Architects Accreditation Council of Australia (AACA) and will undergo full-assessment in early 2011.

Second majors and minors
You will be able to select from two 4 unit approved minors or one 8 unit approved second major to enhance and broaden your knowledge in a related field or area of interest. Please refer to the rules at the following location before making your selection:

ARCHITECTURAL STUDIES Second Major and Minor Options
Second Major:
A 2nd major from anywhere in QUT.

Minors:
A minor from anywhere in QUT.
Please remember that one minor must be from outside of your course.
(Design students interested in enrolling in the BEE Applications minor, must first consult and obtain approval from the Subject Area Coordinator/Course Coordinator.)

International Student Entry
International students must maintain an enrolment program that will allow them to complete their course within the specified timeframe of their eCoE (electronic Confirmation of Enrolment).

Deferment
QUT allows current Year 12 school leavers to defer their undergraduate admission offer for one year, or for six months if offered mid-year admission, except in courses using specific admission requirements such as questionnaires, folios, auditions, prior study or work experience.

Non-year 12 students may also request to defer their QTAC offer on the basis of demonstrated special circumstances.

Find out more on deferment.

Further Information
The School of Design - Phone +61 7 3138 2626, Fax +61 7 3138 5280, email: bee.enquiries@qut.com

Course structure - Commencing February 2010

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<tbody>
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<td>DEB100</td>
<td>Introducing Professional Learning</td>
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<tr>
<td>DAB110</td>
<td>Architectural Design 1</td>
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<td>DEB101</td>
<td>Introducing Design</td>
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<td>DEB102</td>
<td>Introducing Design History</td>
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<tr>
<td>DEB200</td>
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<td>Architectural Design 2</td>
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<td>DAB220</td>
<td>Placemaking in Architecture</td>
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<td>DEB201</td>
<td>Digital Communication</td>
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<tr>
<td>DAB310</td>
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<tr>
<td>DAB325</td>
<td>Architecture in the 20th Century</td>
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<tr>
<td>DAB330</td>
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<td>DAB420</td>
<td>Architecture, Culture and Space</td>
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<td>DAB435</td>
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<td>Architectural Design 5</td>
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<td>DAB525</td>
<td>Architecture and the City</td>
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<td>DAB530</td>
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<tr>
<th>Year 3 - Semester 2</th>
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<tbody>
<tr>
<td>DAB610</td>
<td>Architectural Design 6</td>
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<td>DAB635</td>
<td>Architectural Technology 2</td>
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<td>DEB601</td>
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Second Major/Minor unit

Year 4 - Semester 1

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<th>Contact Hours</th>
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<td>DAB710</td>
<td>Architectural Design 7</td>
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Year 4 - Semester 2

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Second Major and Minor Options

Please refer to Second Major and Minor information under Course Summary.

Potential Careers:
Architect.

UNIT SYNOPSISES

DAB110 ARCHITECTURAL DESIGN 1
This unit offers a broad introduction to the field of design as applied to architecture. It uses developmental exercises to enhance student perceptions of the built environment in a problem based learning environment. Analysis of the constructed environment leads to a number of design projects that engage with issues of context, tectonics, planning, form, and spatial quality. Orthogonal drawing exercises, freehand sketching, presentation graphics and model making all form part of the unit content. Teaching and learning activities are spread across lectures, tutorials, and studio based activities.

Prerequisites: DEB103 or DLB130 or DNB101 or DTB101. DEB103 can be studied in the same teaching period as DAB110. Equivalents: ADB001

Credit points: 12  Contact hours: 4 per week  Campus: Gardens Point  Teaching period: 2010 SEM-1

DAB210 ARCHITECTURAL DESIGN 2
This unit offers a focused introduction to the field of design through engagement with the explicit process of design as applied to architecture. It uses developmental exercises to enhance student perceptions of the built environment in a problem based learning environment. Architectural design as a manageable process in explored through a number of exercises and design projects. Discrete steps in the process of architectural design are made explicit through staged activities that build to a complete design project. Orthogonal drawing exercises, freehand sketching, presentation graphics, and model making all form part of the unit content. Teaching and learning activities are spread across lectures, tutorials, and studio based activities.

Prerequisites: DAB110  Equivalents: ADB002

Credit points: 12  Contact hours: 4 per week  Campus: Gardens Point  Teaching period: 2010 SEM-2

DAB220 PLACEMAKING IN ARCHITECTURE
The unit aims to promote students’ awareness of concepts of environmental psychology such as territory, community, privacy, personal space and spatial perception from a variety of cultural perspectives. It also includes an introduction to the ways in which architecture is practiced and the concept of professionalism as it pertains to architectural practice. Further the unit explores social and cultural relationships between people and the institutions of society through the study of introductory sociology, cultural analysis and political economy. Teaching and learning activities are spread across lectures, tutorials, and studio based activities.

Credit points: 12  Contact hours: 4 per week  Campus: Gardens Point  Teaching period: 2010 SEM-2

DAB310 ARCHITECTURAL DESIGN 3
This intermediate level unit in architectural design uses developmental exercises to enhance student perceptions of the built environment in a problem based learning environment. Design problems of increased complexity are tackled through a process of abstraction, experimentation, representation, imagination, and testing. Advanced orthogonal drawing, freehand sketching, presentation graphics, documentation techniques, and model making all form part of the unit content. Teaching and learning activities are spread across lectures, tutorials, workshops and studio based activities.

Prerequisites: DAB210  Equivalents: ADB003

Credit points: 12  Contact hours: 4 per week  Campus: Gardens Point  Teaching period: 2010 SEM-1

DAB325 ARCHITECTURE IN THE 20TH CENTURY
Designers in any discipline should possess the ability to appreciate the history of art, design and architecture. In addition, they should be able to analyse developments in design history from multiple perspectives. This unit is a survey course of the history and theory of architecture from the beginning of the 20th century to the present. Teaching and learning takes place through three forms of structured activity: lectures, tutorials, and online.

Assumed knowledge: DAB220 is assumed knowledge.

Equivalents: ADB011

Credit hours: 3 per week  Campus: Gardens Point  Teaching period: 2010 SEM-1
DAB330 INTEGRATED TECHNOLOGIES 1
This is the first discipline-based unit in the Technology and Science design stream, through the introduction and application of the architectural principles for Environmental Design (including sustainability, lighting, and acoustics), Construction, and Structures. It introduces students to the basic technologies and sciences associated with architectural practice and in particular technical skills required for simple design projects.

Thermal characteristics of building materials, bioclimatic chart analysis, climate and climatic elements as environmental factors influencing architectural design, basic climatic regions and climate responsive building design, solar heating and cooling of buildings, thermal performance analysis, environmentally sustainable building materials, colour, natural and artificial lighting, ventilation, and condensation will be forming the Environmental Design topics.

Credit points: 12  Contact hours: 4 per week  Campus: Gardens Point  Teaching period: 2010 SEM-1

DAB410 ARCHITECTURAL DESIGN 4
This unit offers an intermediate level investigation into the field of design as applied to architecture. It uses developmental exercises to enhance student perceptions of the built environment in a problem based learning environment. Complex design problems deal with issues of social context, ethics, values, as well as the physical constraints of site, materials, climate, and technology. Design projects require the management of conflicting constraints to achieve optimal design proposals. Precedence, typologies, research and analysis, and representation techniques all form part of the unit content. Teaching and learning activities are spread across lectures, tutorials, and studio based activities.

Prerequisites: DAB310  Equivalents: ADB004  Credit points: 12  Contact hours: 4 per week  Campus: Gardens Point  Teaching period: 2010 SEM-2

DAB420 ARCHITECTURE, CULTURE AND SPACE
Architecture is, arguably, a measure of a community's cultural mores; it reflects the attitudes, values and beliefs of its period. In this unit students are introduced to the diverse architectural traditions of Australasia, and an appreciation of architecture through the understanding of Asian cultures, as well as the development of architectural culture through the processes of historical colonial expansion into the region. It will give students an overview of both the history and current trends of Australian architecture and locate it within the context of the larger Asia-Pacific region. Teaching and learning is conducted through problem-based learning with supporting lectures and tutorials.

Assumed knowledge: DAB220 is assumed knowledge.

Credit points: 12  Contact hours: 4 per week  Campus: Gardens Point  Teaching period: 2010 SEM-2

DAB435 ARCHITECTURAL TECHNOLOGY 1
The unit will explore various forms of domestic construction with particular reference to general properties of building materials, common construction practices used in dwellings, single storey and class 10 buildings. Comparison of building systems and their effect on domestic building design will be explored in detail. Students will be introduced to the construction aspects of the BCA including its housing provisions and associated codes for all types of buildings to assist to achieve the requirements for building approvals.

Assumed knowledge: DAB330 is assumed knowledge.

Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  Teaching period: 2010 SEM-2

DAB510 ARCHITECTURAL DESIGN 5
This unit offers an intermediate level investigation into the field of design as applied to architecture. It uses developmental exercises to enhance student perceptions of the built environment in a problem based learning environment. A particular emphasis is placed on the introduction of knowledge and skills to design a technologically enhanced architectural space with the aid of digitally mediated tools and methods while design theory, sustainability, sociology, history and critique, as they all apply to architectural design, all form part of the unit content. Design projects require synthesis of a range of abstract issues to achieve focused architectural proposals. Teaching and learning activities are spread across lectures, tutorials, and studio based activities.

Prerequisites: DAB410  Equivalents: ADB005  Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  Teaching period: 2010 SEM-1

DAB525 ARCHITECTURE AND THE CITY
This unit aims to give a comprehensive overview of issues and techniques relevant to architectural design at an urban scale. Teaching and learning activities are spread across lectures, tutorials, and studio based activities.

Assumed knowledge: DAB325 and DAB420 are assumed knowledge.  Equivalents: ADB013  Credit points: 12  Contact hours: 3 per week  Campus: Gardens Point  Teaching period: 2010 SEM-1

DAB530 INTEGRATED TECHNOLOGIES 2
The aim of the structure segment of the unit is to familiarize students with the qualitative influences of structural systems on the design development of buildings. In particular the possibilities and limits of building structure are explored in relation to architectural intention through the use of exemplar. The aim of the construction segment is to familiarize students with various construction systems used in medium-rise commercial buildings. Here the emphasis is
on the criteria to be used for the selection of appropriate systems and their associated materials.

Assumed knowledge: DAB330 and DAB435 are assumed knowledge. Equivalents: ADB024 Credit points: 12
Contact hours: 4 per week Campus: Gardens Point Teaching period: 2010 SEM-1

DAB610 ARCHITECTURAL DESIGN 6
This unit will develop greater complexity in architectural design skills in an urban context with a focus on ethical and sustainable design solutions and practice. This requires the synthesis of issues, ideas, knowledge and techniques of architectural design as a holistic practice.
Prerequisites: DAB510 Equivalents: ADB006 Credit points: 12 Contact hours: 4 per week Campus: Gardens Point Teaching period: 2010 SEM-2

DAB635 ARCHITECTURAL TECHNOLOGY 2
It is a fundamental task of architectural design to achieve the comfort requirements of the users. This unit aims to promote students’ understanding and awareness of the control of indoor conditions through the effective design and integration of building services. Students will participate in a simulated office practice, producing Building Code of Australia compliant construction documentation for low-rise buildings.
Assumed knowledge: DAB435 is assumed knowledge. Equivalents: ADB025 Credit points: 12 Contact hours: 3 per week Campus: Gardens Point Teaching period: 2010 SEM-2

DAB710 ARCHITECTURAL DESIGN 7
This unit offers an advanced level investigation into the field of design as applied to architecture, with particular focus on Urban Design issues that come to bear in the design of a building.
On completion of this unit you should be able to: demonstrate, through your project work, your understanding of cities and an awareness of the forces shaping their development. Demonstrate that you have developed critical, analytical and speculative research skills applicable to urban situations. Adopt a reasoned position in relation to an architectural problem and to argue, speculate and design from that position. Demonstrate judgement that enables the identification of design opportunities at an urban scale that inform architectural design decisions.
Prerequisites: DAB610 Equivalents: ADB007 Credit points: 12 Contact hours: 4 per week Campus: Gardens Point Teaching period: 2010 SEM-1

DAB810 ARCHITECTURAL DESIGN 8
This unit offers an advanced level investigation into the field of design as applied to architecture, with particular building type or architectural topic. The unit draws on the breadth of knowledge students have attained through the process of their architectural education.
On completion of this unit you will be able to: Demonstrate your understanding of the design process. Demonstrate your development of a range of critical, analytical and speculative research skills applicable to architectural design projects. Establish a defensible position in relation to an architectural problem and to speculate, design and argue from that position. Demonstrate your development of judgement that enables the identification of opportunities that inform architectural design decisions.
Prerequisites: DAB710 Equivalents: ADB008 Credit points: 12 Contact hours: 4 per week Campus: Gardens Point Teaching period: 2010 SEM-2

DEB100 INTRODUCING PROFESSIONAL LEARNING
This unit will introduce students to a range of skills and knowledge sets required to support professional practice in design disciplines. It will include information literacy and communication skills and knowledge development. In addition, the unit will provide orientation to design professions through an introduction to their history, their place in society, the importance of ethical conduct to their practice and to the particular qualities of professional knowledge especially with regard to practice knowledge. The importance of integrated scholarship and collaborative links with other professions will be highlighted.
Equivalents: BEB100 Credit points: 12 Contact hours: 3 per week Campus: Gardens Point Teaching period: 2010 SEM-1

DEB101 INTRODUCING DESIGN
Please note: this unit is only available to First Year DE40 students.

This unit offers a uniquely broad introduction to the field of design as applied across the design disciplines. It uses exercises to enhance student perceptions of the natural and human made environments in a problem based learning context. The unit is block taught over several weeks during the semester and will include students from a range of design disciplines participating in a four day field trip (students unable to attend participate in an alternative program). Students work individually and in cross-disciplinary teams in a stimulating and immersive environment. This unit covers content of problem solving, team work, visualisation and communication, and environmental awareness.
Credit points: 12 Contact hours: 4 per week Campus: Gardens Point Teaching period: 2010 SEM-1

DEB102 INTRODUCING DESIGN HISTORY
This unit encompasses a broad survey of the history of design from the civilizations of antiquity to the opening of the 20th century – including architecture, industrial design, interior design and landscape architecture. It is a first year
foundation unit and serves as preparation for more detailed and specialized studies in history and theory in subsequent years. Key designs, ideas and artefacts and the aesthetic, environmental, technological, socio-cultural and political factors that related to their production will be analysed. **Equivalents:** ADB931  **Credit points:** 12  **Contact hours:** 3 per week  **Campus:** Gardens Point  **Teaching period:** 2010 SEM-1

**DEB200 INTRODUCING SUSTAINABILITY**
This unit will enable you as a graduating Built Environment and Engineering professional to take active and positive steps to transform professional practice in ways that promote the sustainability of our planet, our economy and our society. As future professionals in the fields of Design, Urban Development and Engineering Systems, you will need to understand and apply the concepts of sustainability in your professional practice if we are to achieve sustainable development in the 21st Century. **Equivalents:** BEB200  **Credit points:** 12  **Campus:** Gardens Point  **Teaching period:** 2010 SEM-2

**DEB201 DIGITAL COMMUNICATION**
This unit introduces students to the foundational aspects of digital design communication, placing generic design in context and focusing on multidisciplinarity in the stages of the design process. This unit is an approach to the theory and practice of digital media, exploring the translation from manual to digital media in design communication and presentation. **Credit points:** 12  **Contact hours:** 3 per week  **Campus:** Gardens Point  **Teaching period:** 2010 SEM-2

**DEB601 COLLABORATIVE DESIGN**
The experience of cross-disciplinary design collaboration is considered a significant aspect of the preparation of design students for future professional practice. This unit provides such an experience through a collaborative design studio. Collaboration will be addresses and fostered by students working on a design studio project that facilitates cross-disciplinary collaboration and introduces them to various forms of collaboration. Through the projects student will be exposed to the discourse of design disciplines other than their own while at the same time being able to build on discipline specific skills, knowledge and attitudes. **Assumed knowledge:** First and second year DE40 design units is assumed knowledge  **Credit points:** 12  **Contact hours:** 4 per week  **Campus:** Gardens Point  **Teaching period:** 2010 SEM-2

**DEB701 DESIGN AND RESEARCH**
This unit is a core unit common to architectural studies, landscape architecture, industrial design and interior design. The unit is project based and introduces students to research methods and methodologies that have relevance in design practice. It also provides a foundation for higher degree research. The content covered in this unit includes:  
• philosophical context of research in, of and through design  
• qualitative research incorporating methodologies and methods of relevance to design  
• research rigour and ethics  
• developing a research plan  
• literature searching and review  
• data gathering and analysis  
• research dissemination and reporting

**DEB801 PROFESSIONAL PRACTICE**
This unit introduces and consolidates key issues in discourses about the design professions: the differences between discipline and professional knowledge, the organisation and roles of the regulatory and professional bodies that govern the professions, the cultural context for contemporary design practice, and the values and attitudes which govern professional practice. Teaching and learning takes place through a variety of structured activities: lectures, tutorials, seminars, workshops and online.  
**Assumed knowledge:** Assumed knowledge is completion of years 1 to 3 of DE40  
**Equivalents:** ADP217  
**Credit points:** 12  **Contact hours:** 3 per week  **Campus:** Gardens Point  **Teaching period:** 2010 SEM-2