Bachelor of Design (Architectural Studies) (DE40)

Year offered: 2011
Admissions: Yes
CRICOS code: 056386C
Course duration (full-time): 4 years
Domestic Fees (indicative): 2011: CSP $3,878 (indicative) per semester
International Fees (indicative): 2011: $11,500 (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.qut.edu.au/assumed-knowledge
Total credit points: 384
Standard credit points per full-time semester: 48
Course coordinator: Mr Andrew Scott
Discipline coordinator: Dr Anoma Kumarasuriyar
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. 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.

Practical teaching
You will undertake real world projects often with real clients. This increases your practical experience and brings 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.

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.

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: http://www.bee.qut.edu.au/study/current/2majormin/.

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
Domestic students can defer their offer in this course for one year. In exceptional circumstances up to 12 months of additional deferment may be granted.

Find out more on deferment.

Limits on grades of 3
A new policy concerning grades of 3 came into effect from 1 January 2009 (QUT MOPP C/5.2). With effect from this date grades of 3 are no longer considered a conceded or low pass but are classified as a fail grade. Any grades of 3 awarded prior to 1 January 2009 retain the conceded pass status and will be counted for graduation purposes up to the maximum number of grades of 3 permitted for your course. Grades of 3 incurred in units that commence after 1 January 2009 will not count towards your degree. Further information is available on the Student Services website

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 2011

Year 1 - Semester 1
DEB100  Design and Sustainability
DAB110  Architectural Design 1
DEB101  Introducing Design
DEB103  Visualisation 1

Year 1 - Semester 2
DAB210  Architectural Design 2
DAB220  Placemaking in Architecture
DEB202  Introducing Design History
DEB203  Visualisation 2

Year 2 - Semester 1
DAB310  Architectural Design 3
DAB325  Architecture in the 20th Century
DAB330  Integrated Technologies 1

Second Major/Minor unit

Year 2 - Semester 2
DAB410  Architectural Design 4
DAB420  Architecture, Culture and Space
DAB435  Architectural Technology 1

Second Major/Minor unit

Year 3 - Semester 1
DAB510  Architectural Design 5
DAB525  Architecture and the City
DAB530  Integrated Technologies 2

Second Major/Minor unit

Year 3 - Semester 2
DAB610  Architectural Design 6
DAB635  Architectural Technology 2
DEB601  Collaborative Design

Second Major/Minor unit

Year 4 - Semester 1
DAB710  Architectural Design 7
DEB701  Design and Research

Second Major/Minor unit

Year 4 - Semester 2
DAB810  Architectural Design 8
DEB801  Professional Practice

Second Major/Minor unit

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

Potential Careers:
Architect.

UNIT SYNOPSES

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:** 2011 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 and (DEB203 or DLB210 or DNB201 or DTB201). DEB203 can be studied in the same teaching period as DAB210. **Equivalents:** ADB002. **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 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. **Assumed knowledge:** DEB103 is assumed knowledge **Credit points:** 12 **Contact hours:** 4 per week **Campus:** Gardens Point **Teaching period:** 2011 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:** 2011 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 points:** 12 **Contact hours:** 3 per week **Campus:** Gardens Point **Teaching period:** 2011 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:** 2011 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:** 2011 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 place, time and makers. This unit aims to promote awareness of how architecture is both a product and an emblem of socio-cultural conditions. In particular it explores the interdependency between how architecture is conceived and made, and the way people structure their worldview and organise their institutions in a range of cultural contexts and settings.

**Assumed knowledge:** DAB220 is assumed knowledge.
**Credit points:** 12  |  **Contact hours:** 4 per week  |  **Campus:** Gardens Point  |  **Teaching period:** 2011 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:** 2011 SEM-2

**DAB510 ARCHITECTURAL DESIGN 5**
This unit offers a focused 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:** 4 per week  |  **Campus:** Gardens Point  |  **Teaching period:** 2011 SEM-2

**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:** 2011 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:** 2011 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:** 2011 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 hours:** 3 per week  |  **Campus:** Gardens Point  |  **Teaching period:** 2011 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:** 2011 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:** 2011 SEM-2

**DEB100 DESIGN AND SUSTAINABILITY**

This unit, with its special focus on the role and impact of designers to shift society toward a more environmentally sustainable way of living, introduces you to essential academic and professional skills and practices for learning to become a designer.

**Antirequisites:** ENB100  **Equivalents:** BEB100 and UDB100  **Credit points:** 12  **Contact hours:** 3 per week  **Campus:** Gardens Point  **Teaching period:** 2011 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:** 2011 SEM-1

**DEB103 VISUALISATION 1**

Designers work in three dimensions and thus employ a variety of tools to think about and communicate three-dimensional ideas. This unit introduces you to the skills and techniques you’ll need to support this design visualisation with a focus on analogue media, drawing skills and simple model making. Some of them are common to all the disciplines in the course while others are specific to one or more disciplines of architecture, industrial design, interior design and landscape architecture.

**Credit points:** 12  **Contact hours:** 4 per week  **Campus:** Gardens Point  **Teaching period:** 2011 SEM-1

**DEB202 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, DEB102  **Credit points:** 12  **Contact hours:** 3 per week  **Campus:** Gardens Point  **Teaching period:** 2011 SEM-2

**DEB203 VISUALISATION 2**

DEB103 Visualisation 1 introduced you to the skills and techniques needed to support design visualisation with a focus on analogue media and drawing skills. This unit continues that process and integrates digital and analogue approaches. Content will be divided between common and discipline specific techniques and traditions.

**Prerequisites:** DEB103  **Credit points:** 12  **Contact hours:** 4 per week  **Campus:** Gardens Point  **Teaching period:** 2011 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:** 2011 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

**Credit points:** 12  
**Contact hours:** 3 per week  
**Campus:** Gardens Point  
**Teaching period:** 2011 SEM-1

**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:** 2011 SEM-2