Bachelor of Urban Development (Honours) (Quantity Surveying and Cost Engineering)

Year: 2021
QUT code: UD01
QTAC code: 412312
CRICOS: 080479J
Duration: 4 years full time
OP: 14
Rank: 70
Total credit points: 384
International fee: $33,900 per year full-time (96 credit points)

Quantity surveyors and cost engineers provide advice to the construction industry on the financial and legal aspects of new constructions, and operation of existing buildings. They are involved in the construction process from the feasibility stage to post-completion, and they manage and administer construction costs and contracts for a variety of levels and types of construction. Tasks may include preparing cost plans and estimates, bills of quantities, tender appraisals, valuations, project audits, property taxation and life cycle cost advice.

Quantity surveyors and cost engineers work closely with other professionals including architects, financiers, project managers, engineers, contractors, suppliers, solicitors and with all levels of government.

Why choose this course?
Studies are offered in building management, cost planning and cost control, building development techniques, building research, computer software applications, measurement of construction and legal issues. There are opportunities for field trips, site visits, and practical and laboratory-based work and the flexible structure of the course allows you to choose a second major or group of minor units to match your career aspirations and personal goals and maximise employment opportunities.

Subject prerequisites
- General Mathematics, or Mathematical Methods, or Specialist Mathematics (Units 3 & 4, C)

You must have achieved this study at a level comparable to Australian Year 12 or in recognised post-secondary studies.

Minimum English requirements
Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)
- Overall: 6.5
- Listening: 6.0
- Reading: 6.0

Anika Gill
Real graduate

‘Studying quantity surveying gave me invaluable and broad-ranging industry experience on a diverse range of projects at every stage of the construction process. The opportunity to apply core technical knowledge together with my internship experience equipped me to tackle projects across any sector, from infrastructure to mining, oil and gas.’
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Course structure
Your QUT Bachelor of Urban Development (Honours) (Quantity Surveying and Cost Engineering) degree consists of 384 credit points (32 units) arranged as follows:

a) 72 credit points (6 units) of Urban Development Core units, which includes a Professional Practice unit that requires completion of workplace learning.

b) 216 credit points (18 units) of Quantity Surveying and Cost Engineering discipline units

c) 96 credit points of complementary studies comprising of either a Second Major (8 unit set) or two Minors (4 unit set each).

Urban Development Core Units
These units will engage you in understanding Urban Development from a range of disciplinary and multidisciplinary perspectives, expose you to the various outcomes available for pursuing studies in this field and introduce the fundamental basis for policy and practice. Later core units, together with the discipline specific units, will progress your learning development through experiential and enquiry based learning in collaborative environments.

Quantity Surveying and Cost Engineering Major Discipline Units
These units give you discipline level knowledge, skills and application competencies from introductory through intermediate, culminating with advanced graduate level units. They focus on developing your knowledge, practice and higher-order thinking to an advanced level.

Complementary Studies Options
Complementary studies may be taken as a Second Major of 96 credit points or two Minors of 48 credit points each. Experiential minors in Work Integrated Learning as well as student exchange are also available.

Second Majors
A second major provides the opportunity for you to undertake significant studies in a second Urban Development discipline such as Property Economics, Urban and Regional Planning, Architectural Studies, Accountancy or Applied Economics and Finance. Second majors are also designed to provide diverse professional skills and knowledge beyond the traditional reaches of the built environment curriculum and can offer a range of study options in other fields.

Minors
Minors will allow you undertake studies in a companion discipline. They are designed to provide you with introductory to intermediate level knowledge and skills in areas complementary to your studies. You can choose a minor from other built environment disciplines. There are also minors designed to distinguish students in the employment marketplace with complementary 'non-discipline' skills and competencies that you can choose from a range of inter- and intra-faculty disciplines.

Pathways to Further Study
The (UD01) Bachelor of Urban Development (Honours) is located at Level 8 of the Australian Qualifications Framework (AQF). Graduates may be eligible for discipline relevant Masters and/or Doctoral level programs.

Careers and outcomes
As a quantity surveyor and cost engineer you will be employed predominantly on major building and construction projects as a consultant to the owner, in both the public and private sectors. You may find employment with consulting firms, local, state or federal government departments or authorities, and increasingly with building contractors, financiers, property developers, project managers and universities.

Specialisation pathway
Quantity surveying and cost engineering is a specialist discipline within the construction industry. To become a quantity surveyor and cost engineer, apply for the Bachelor of Urban Development (Honours) (Construction Management), QTAC code 412312. Your first year will provide you with important foundation units in construction. From second year you begin specialising in quantity surveying and cost engineering, and graduate with the degree Bachelor of Urban Development (Honours) (Quantity Surveying and Cost Engineering).

Professional recognition
The course maintains various accreditations with the Australian Institute of Quantity Surveyors and the Royal Institution of Chartered Surveyors.

Work Integrated Learning
You are required to undertake 30 days of approved quantity surveying and cost engineering work experience as part of your Work Integrated Learning core unit.