Associate Degree of Construction (ADCN) - ADegConstruction

QTAC code (Australian and New Zealand applicants): Toowoomba campus: 907072; Distance education: 907075; Springfield campus: 927072

CRICOS code (International applicants): 072517G

This program is offered from Semester 1, 2011.

<table>
<thead>
<tr>
<th></th>
<th>On-campus</th>
<th>Distance education</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester intake:</strong></td>
<td>Semester 1 (March)</td>
<td>Semester 1 (March)</td>
</tr>
<tr>
<td></td>
<td>Semester 2 (July)</td>
<td>Semester 2 (July)</td>
</tr>
<tr>
<td><strong>Campus:</strong></td>
<td>Springfield, Toowoomba</td>
<td>–</td>
</tr>
<tr>
<td><strong>Fees:</strong></td>
<td>Commonwealth supported place</td>
<td>Commonwealth supported place</td>
</tr>
<tr>
<td></td>
<td>Domestic full fee paying place</td>
<td>Domestic full fee paying place</td>
</tr>
<tr>
<td></td>
<td>International full fee paying place</td>
<td>International full fee paying place</td>
</tr>
<tr>
<td><strong>Standard duration:</strong></td>
<td>2 years full-time, 4 years part-time or external</td>
<td></td>
</tr>
<tr>
<td><strong>Program articulation:</strong></td>
<td>To: Bachelor of Construction; Bachelor of Engineering Technology (Infrastructure Management)</td>
<td></td>
</tr>
</tbody>
</table>

Contact us

Future Australian and New Zealand students

Ask a question
Freecall (within Australia): 1800 269 500
Phone (from outside Australia): +61 7 4631 5315
Email: studyeng@usq.edu.au

Future International students

Ask a question
Phone: +61 7 4631 5543
Email: international@usq.edu.au

Current students

Ask a question
Freecall (within Australia): 1800 007 252
Phone (from outside Australia): +61 7 4631 2285
Email: usqassist@usq.edu.au

Program focus

Students gain the knowledge and skills to operate as construction management para-professionals and other entry level construction management positions involved in significant infrastructure and engineering projects. Graduates can expect careers at a less technical and more practical level than more highly trained management professionals. Students acquire a range of core skills such as problem-solving, analysis, engineering design, construction and management as well as specialised skills in built environment, quantity surveying and building services design.

Career opportunities

Building or construction supervisor, site manager, facilities manager, building services design, quantity surveying, cost estimating, property development, general management. Government, consultant or self-employed.

Professional accreditation

No professional accreditation will be sought for this program.
Program aims
The program aims to produce para-professional standard graduated for entry level management positions in the building and construction industry who have a broad range of relevant technical skills and well developed skills in communication, team work and communication. The program is designed to capitalise on growing demand for this level of specialist on construction projects and the program's primary aims are to:

- enable graduates to attain a diverse range of practical skills and competence to successfully coordinate and supervise a wide range of construction processes;
- develop skills in planning, monitoring and controlling the technical and logistical, aspects associated with building and construction projects;
- take an active role in planning, managing and organising people and other resources on construction projects in the built environment to support other construction management professionals.

Program objectives
At the completion of the program the graduate will be able to:

- apply building principles and methods;
- prepared documentation for building development and construction;
- liaise with other members of the building team, clients and other external stakeholders;
- apply relevant legislation and technical standards at the appropriate level in building work;
- take responsibility for the practical and logistical aspects of the human relations, resources, scheduling, quality control, environmental factors and social impacts involved in building projects.

Admission requirements
Applicants shall normally:

- have studied four semester units and achieved an exit assessment of 'Sound Achievement' or better in the Queensland Senior Secondary School subject: English. It is recommended that applicants should also have satisfactorily completed the subject: Mathematics B (Mathematics A is assumed)

or

- be able to demonstrate that they have achieved an equivalent standard in these subjects at another institution and

Australian applicants: have achieved a Queensland Overall Position (OP) band, or an equivalent Rank based on qualifications and previous work experience, at or above the specified cut-off level

International applicants: must have met the University's English language requirements or have completed the University's ELICOS/EAP programs.

How to apply
Domestic students
Application for undergraduate programs may be made through the Queensland Tertiary Admissions Centre (QTAC). The same procedure applies whether you plan to study on-campus or by distance education.

If you completed Year 12 at a Queensland secondary school you will be assessed for entry on the basis of your Overall Position (OP) or equivalent score. Year 12 students from other states or territories are considered for entry on the basis of their UAI, ENTER or TER and the subject prerequisites indicated. Other applicants will be based on their overall Rank.
International students

This program is offered to international students. An international student is a person who is not an Australian or New Zealand citizen and not an Australian permanent resident. Please refer to USQ International for information about entry requirements, visa arrangements and how to apply.

Program fees

Commonwealth supported place
A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of your higher education and you as a student pay a student contribution amount, which varies depending on the courses undertaken. You are able to calculate the fees for a particular course via the Course Fee Finder. Commonwealth Supported students may be eligible to defer their fees through a Government loan called HECS-HELP.

Domestic full fee paying place
Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. You are able to calculate the fees for a particular course via the Course Fee Finder.
Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who reside outside Australia pay full tuition fees.
Domestic full fee paying students may be eligible to defer their fees through a Government loan called FEE-HELP.

International full fee paying place
International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, via distance education/online. You are able to calculate the fees for a particular course via the Course Fee Finder.

Program structure
The two year Associate Degree of Construction requires 16 academic courses at undergraduate level, plus a minimum of one (1) core practice course. The Associate Degree of Construction consists of core, major study and elective components. The 16 academic courses include 8 core courses and 8 major courses (including electives). Students enrolled in the Associate Degree of Construction may undertake a specialisation in the following major discipline areas:

- Civil
- Management

Required time limits
Full-time students have a maximum of four years to complete this program. Part-time students have a maximum of eight years to complete this program. A pro-rata adjustment of the maximum time period will apply for those students who transfer from one mode of study to another. A pro-rata reduction in the maximum time period will apply to students who are admitted to a program with advanced standing.

Core courses
The courses that comprise the core students program are shown in the following table:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG1002</td>
<td>Introduction to Engineering and Spatial Science Applications</td>
</tr>
<tr>
<td>ENG1500</td>
<td>Engineering Fundamentals</td>
</tr>
<tr>
<td>ENG1101</td>
<td>Introduction to Engineering Problem Solving</td>
</tr>
<tr>
<td>MGT1000</td>
<td>Organisational Behaviour</td>
</tr>
<tr>
<td>ENG1100</td>
<td>Introduction to Engineering Design</td>
</tr>
</tbody>
</table>
IT requirements

Students should refer to the section entitled Access to Information Technology Facilities in the General Faculty and Program Information section of this Handbook.

Residential schools

External students are required to attend a number of residential schools during their program. These are associated with Practice courses and are normally conducted at the end of Semester 3 (February), or during the mid-semester recess in Semester 2 (September/October).

On-campus students will be able to undertake some Practice Courses in the normal on-campus mode where the classes are scheduled throughout the semester, at either the Toowoomba or Springfield campus. However, some Practice Courses for on-campus students will need to be undertaken in the residential school mode at the Toowoomba campus.

Practice Courses

The major practical work requirements associated with each of the Faculty's programs are contained within a series of Practice courses. These courses are designed to enhance learning, communication and practical skills through laboratory sessions, workshops, seminars, field trips and group activities.

Practice courses may be undertaken in either on-campus or external mode. Students enrolling externally will be required to attend a compulsory residential school. However, students who enrol in Practice courses in on-campus mode may be required to undertake a series of weekly activities and/or attend a compulsory residential school. The only final grades available in these courses are Pass (P) or Fail (F).

Practice courses are zero unit courses that are a compulsory part of the program. However, they do not attract a student contribution charge for Australian residents or a tuition fee for international students. External students should ensure that they are able to attend the residential school prior to enrolling in a Practice course.

The recommended enrolment pattern for Practice courses is shown in the Recommended Enrolment Pattern in each program entry in this Handbook.

Safety boots are compulsory in engineering laboratories for several of the Practice courses and are strongly recommended for all other Practice courses.

ENG1901 Engineering Practice 1 is the first in a series of Practice courses designed to enable students to acquire engineering and professional practice skills, including practical and teamwork skills, problem solving and engineering judgement. It is designed principally to cater for the needs of recent school leavers and those lacking any significant experience of the engineering work force. Students who have a trade certificate and have been employed in the engineering industry for some time may be able to claim exemption from the course.

Articulation

Students will be able to articulate into the Bachelor of Construction (Management) program. Students will also be able to articulate into the Bachelor of Engineering Technology (Infrastructure Management) program but this may require careful selection of elective courses and may require study longer than the minimum duration.
Exit points

Students who, for whatever reason, are unable to complete the Diploma of Engineering Studies may be permitted to exit with that award.

Honours

Honours will not be awarded in this program

Other information

Full-time, on-campus students may, with the permission of the appropriate Program Coordinator, undertake courses by external study. This may be desirable if students wish to extend the range of courses open to them in the Elective areas.

In exceptional cases, a Head of Discipline, may permit a student to enrol in an Elective course other than those specified for the accredited program, provided the course is drawn from another accredited associate degree program offered by the Faculty of Engineering and Surveying. Students who wish to enrol in courses other than those listed, must obtain written approval prior to enrolling in the course.

To satisfy the requirements of the program students must complete all of the Academic courses and the Practice courses in the following tables that show the recommended enrolment patterns for on-campus and external students. Students following a non-standard enrolment pattern should consult the course synopses section of this Handbook to ascertain if a course is offered in another term.

Academic and Practice Courses

To satisfy the requirements of the program students must complete all of the Academic and Practice courses in the following table that shows the recommended enrolment patterns for on-campus and external students for our Toowoomba and Springfield campuses. Students following a non-standard enrolment pattern should consult the course synopses section of this Handbook to ascertain if a course is offered in another term.

Students enrolled in the external offer of a Practice course must attend the Residential School for that course. In some cases students enrolled in the on-campus mode may also be required to attend the residential school. Students should only enrol in a Practice course when they are able to attend the residential school for that course.

Elective courses

Elective courses are included in the list of Academic courses. Students should select these courses from the Electives table.

Civil Major recommended enrolment pattern

<table>
<thead>
<tr>
<th>Course</th>
<th>Year</th>
<th>Sem</th>
<th>Year</th>
<th>Sem</th>
<th>On-campus (ONC)</th>
<th>External (EXT)</th>
<th>Online (WEB)</th>
<th>Enrolment requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG1002 Introduction to Engineering and Spatial Science Applications</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG1500 Engineering Fundamentals*</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGT1000 Organisational Behaviour</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG1101 Introduction to Engineering Problem Solving</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CMG1001 Introduction to Construction Management and the Built Environment</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIV1501 Engineering Statics</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>Pre-requisite: ENG1500 or MAT1500 or Students must</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Major study: Major Study: Civil (Major Study Code: 16562)

<table>
<thead>
<tr>
<th>Course</th>
<th>Year</th>
<th>Sem</th>
<th>On-campus (ONC)</th>
<th>External (EXT)</th>
<th>Online (WEB)</th>
<th>Enrolment requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG1100 Introduction to Engineering Design</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td></td>
<td>be enrolled in the following Program: MEPR</td>
</tr>
<tr>
<td>ENG2102 Engineering Problem Solving and Analysis</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td></td>
<td>Pre-requisite: ENG1101</td>
</tr>
<tr>
<td>CIV2605 Construction Engineering</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEC1201 Engineering Materials</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>2</td>
<td>1</td>
<td>4</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elective</td>
<td>2</td>
<td>1</td>
<td>4</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CMG2001 Job Organisation</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIV2502 Structural and Building Technology</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CIV2403 Geology and Geomechanics</td>
<td>2</td>
<td>2</td>
<td>4</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SVY1500 Spatial Science for Engineers</td>
<td>2</td>
<td>2</td>
<td>4</td>
<td>2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Practice Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Year</th>
<th>Sem</th>
<th>On-campus (ONC)</th>
<th>External (EXT)</th>
<th>Online (WEB)</th>
<th>Enrolment requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG1901 Engineering Practice 1</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>2,3</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>CIV3906 Civil Materials Practice</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td>3</td>
<td></td>
<td>C</td>
</tr>
<tr>
<td>CIV2901 Geology and Geomechanics Practice</td>
<td>2</td>
<td>2</td>
<td>4</td>
<td>3</td>
<td></td>
<td>C</td>
</tr>
</tbody>
</table>

Footnotes

* Students who achieve a high level in Year 12 Mathematics, or an equivalent mathematics program, may be eligible to replace the study of ENG1500 Engineering Fundamentals with MAT1500 Engineering Mathematics 1. Please refer to the notes in the General Information — Undergraduate Program Section of the Faculty's entry in this Handbook.

Notes: For students transferring from one program to another a complete list of enrolment requirements are available in the synopses of courses.

Elective courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Year</th>
<th>Sem</th>
<th>On-campus (ONC)</th>
<th>External (EXT)</th>
<th>Online (WEB)</th>
<th>Enrolment requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMG3001 Measurement and Estimating</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG2002 Technology, Sustainability and Society</td>
<td>1</td>
<td>2,3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENV2201 Land Studies</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FIN1101 Introduction to Corporate Finance</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>Pre-requisite: Students enrolled in one of the following Programs: BLAW or BABL or BBLA or BCLA not eligible for enrolment</td>
</tr>
<tr>
<td>LAW1101 Introduction to Law</td>
<td>1,2</td>
<td>1,2,3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAT1500 Engineering Mathematics 1</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGT2001 Management of Workplace Health and Safety</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MGT2203 Project Management Fundamentals</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SVY1104 Survey Computations A</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td>Pre-requisite: SVY1102 or SVY1500 or Students must be enrolled in one of the following Programs: GCST or GDST</td>
</tr>
<tr>
<td>SVY2303 Construction Surveying</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td>Pre-requisite: SVY1104</td>
</tr>
</tbody>
</table>

Notes: Other courses may be admissible as an Elective. However students must obtain approval from the relevant Head or Program Coordinator prior to enrolling in the course.
Management Major recommended enrolment pattern

<table>
<thead>
<tr>
<th>Course</th>
<th>Year of program and semester in which course is normally studied</th>
<th>Residential school (compulsory /optional)</th>
<th>Enrolment requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>On-campus (ONC)</td>
<td>External (EXT)</td>
<td>Online (WEB)</td>
</tr>
<tr>
<td></td>
<td>Year</td>
<td>Sem</td>
<td>Year</td>
</tr>
</tbody>
</table>

**Academic Courses**

- **ENG1002 Introduction to Engineering and Spatial Science Applications**
  - Year 1, Semester 1

- **ENG1500 Engineering Fundamentals**
  - Year 1, Semester 1

- **MGT1000 Organisational Behaviour**
  - Year 1, Semester 1

- **ENG1101 Introduction to Engineering Problem Solving**
  - Year 1, Semester 1

- **CMG1001 Introduction to Construction Management and the Built Environment**
  - Year 1, Semester 1

- **LAW1101 Introduction to Law**
  - Year 1, Semester 1

- **ENG1100 Introduction to Engineering Design**
  - Year 1, Semester 1

- **ENG2102 Engineering Problem Solving and Analysis**
  - Year 2, Semester 1

- **MGT2001 Management of Workplace Health and Safety**
  - Year 2, Semester 1

- **MEC1201 Engineering Materials**
  - Year 2, Semester 1

- **Elective**
  - Year 2, Semester 1

- **CMG2001 Job Organisation**
  - Year 2, Semester 1

- **CIV2403 Geology and Geomechanics**
  - Year 2, Semester 1

- **CIV2605 Construction Engineering**
  - Year 2, Semester 1

- **CMG3001 Measurement and Estimating**
  - Year 2, Semester 1

- **ENG2802 Technology, Sustainability and Society**
  - Year 1, Semester 1

- **ENV2201 Land Studies**
  - Year 1, Semester 1

- **FIN1101 Introduction to Corporate Finance**
  - Year 1, Semester 1

- **MAT1500 Engineering Mathematics 1**
  - Year 1, Semester 1

**Practice Courses**

- **ENG1901 Engineering Practice 1**
  - Year 1, Semester 1

**Footnotes**

* Students who achieve a high level in Year 12 Mathematics, or an equivalent mathematics program, may be eligible to replace the study of **ENG1500 Engineering Fundamentals** with **MAT1500 Engineering Mathematics 1**. Please refer to the notes in the General Information — Undergraduate Program Section of the Faculty's entry in this Handbook.

**Notes:**

For students transferring from one program to another a complete list of enrolment requirements are available in the synopses of courses.

**Elective Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Year of program and semester in which course is normally studied</th>
<th>Enrolment requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>On-campus (ONC)</td>
<td>External (EXT)</td>
</tr>
<tr>
<td></td>
<td>Year</td>
<td>Sem</td>
</tr>
</tbody>
</table>

- **CIV1501 Engineering Statics**
  - Pre-requisite: **ENG1500** or **MAT1500** or Students must be enrolled in the following Program: MEPR

- **CIV2403 Geology and Geomechanics**

- **CIV2605 Construction Engineering**

- **CMG3001 Measurement and Estimating**

- **ENG2802 Technology, Sustainability and Society**
  - Year 2, Semester 1

- **ENV2201 Land Studies**
  - Year 1, Semester 1

- **FIN1101 Introduction to Corporate Finance**
  - Year 1, Semester 1

- **MAT1500 Engineering Mathematics 1**
  - Year 1, Semester 1
Notes:
Other courses may be admissible as an Elective. However students must obtain approval from the relevant Head or Program Coordinator prior to enrolling in the course.