

Course list

The programme includes the following courses, which are each 15-point courses, except for ENCM 682 (30 points) and ENCM 690 (120 points). Note that 120 points constitutes a full-time load for one year.

Course list

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| ENCM 610 | Construction Management |
| ENCM 620 | Construction Procurement & Contract Administration |
| ENCM 630 | Project Management, Planning & Control Techniques |
| ENCM 640 | Strategic Management in Construction |
| ENCM 650 | Cost Engineering |
| ENCM 671 | Special Topic in Construction Management |
| ENCM 673 | Independent Course of Study |
| ENCM 682 | Research Project |
| ENCM 690 | Construction Management Thesis |
| ENCI 601 | Risk Management |

Note: With the approval of the Director of the Construction Management Programme, students may credit up to 30 points offered in the Construction Management Programme at the University of Auckland or other approved University and/or credit other relevant courses taught in the Department of Civil and Natural Resources or elsewhere on campus (e.g. The Department of Management, Marketing and Entrepreneurship).

Note: Some of the above courses might not be offered every year, and you should check which courses will be offered in the current year.



Block Mode Teaching

Construction Management courses are taught in 'block mode' so working professionals can participate while remaining in employment.

A course taught in 'block mode' typically involves:

- Attending two 2-3 day blocks about six weeks apart;
- Reading background material and completing assignments;
- An exam to replace the assignment at the end of the course.

Support is provided for off-campus students via our library distance service and on-line teaching content system.

Contact Details

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www.civil.canterbury.ac.nz/construction

Construction Management



Construction Management Programme

Why Construction Management?

There is a shortage of people with the appropriate construction management knowledge and skills both in New Zealand and overseas. The demand for such skills is expected to grow, given the increasing emphasis on creating new infrastructure and managing existing infrastructure assets.

Construction management prepares qualified students for responsible engineering and management roles in all phases of the development of major constructed facilities.

Construction management has an emphasis on management techniques useful in organising, planning, and controlling the activities of diverse specialists working within the unique project environment of the construction industry. It covers construction engineering aspects of heavy, industrial and building construction.

Construction Management at UC

The Construction Management programme at the University of Canterbury is taught at the postgraduate level, from postgraduate certificates through to doctoral study, and as single, one-off courses for professional development.

Construction Management is taught within the Department of Civil and Natural Resources Engineering Department, which is ranked in the top 1% in the world according to the latest QS rankings*.

The programme caters for a wide variety of students, including practicing engineers, architects, construction management professionals, and recent graduates (from New Zealand or overseas) wishing to acquire or upgrade their knowledge and skills.

The programme is monitored and supported by industry representatives to ensure that it meets the needs of the industry, and enhances employment opportunities for graduates.

*QS subject rankings 2014/2015

Department of Civil and Natural Resources Engineering



Postgraduate Study

- **Postgraduate Certificate in Engineering PGCertEng**
Four courses
1 semester full-time or up to 4 years part-time
- **Master of Engineering Studies MEngSt**
Eight courses
1-2 years full-time or up to 5 years part-time
- **Master of Engineering ME**
Four courses and a research thesis
1-2 years full-time or up to 4 years part-time
- **Doctor of Philosophy PhD**
Research thesis only
3 years full-time or up to 7 years part-time
- **Certificate of Proficiency COP**
Single one-off courses for professional development

The PGCertEng, MEngSt and ME can be awarded with a Construction Management endorsement.

How do I apply to enrol?

If you are interested in further studies your first step is to make contact with the Departmental Administrator.

Email: postgrad-enquiries@civil.canterbury.ac.nz

Phone: +64-3-3642 987 Ext: 45540

Visit our website at www.civil.canterbury.ac.nz/construction

What will I learn?

The Construction Management programme provides students with an extensive knowledge through courses such as project management, cost engineering, and contract administration and procurement. Students will not only develop their engineering, problem solving and communication skills but also learn how to achieve desired changes in the building industry and assess the consequences for the construction process and its organisation. There is also a strong focus on how to lead people and build teams.

Entry Requirements

A Bachelor of Engineering with Honours degree is the preferred entry qualification, but candidates with other relevant degrees and/or suitable work experience will also be considered for admission to a PGCertEng, with the right to transfer to the MEngSt or ME if they perform well in the PGCertEng.

Academic Staff

The programme uses both teaching staff from the University of Canterbury and recurring specialised staff from overseas universities as well as presenters from the construction industry. See our website for staff details.

Research

The ME and PhD degrees include a research thesis in a relevant area of Construction Management, under the supervision of an academic staff member. A topic will be chosen in discussion between staff and the candidate after which appropriate supervision is found.