Civil Engineering

About this area of study

Civil engineers usually work in one of the following areas: structural, water resources, soil and foundation, transport, town planning or construction. Civil engineers are involved in the design, construction and management of our roads, airports and railways; water supply and sewerage systems; water resources management; and buildings and facilities.

As their jobs can cover a variety of projects, civil engineers can have many different tasks including: producing designs and documentation used for construction, project planning, supervising construction and testing of completed structures, preparing reports and ensuring designs and construction work comply to required standards and laws.

Civil Engineering at Deakin University covers the broad range of civil engineering disciplines including engineering materials, structural engineering, water engineering, geotechnical engineering and transport engineering.

Key skills that Civil Engineering graduates demonstrate include

- Technical and engineering skills
- Communication and interpersonal skills
- Problem-solving and analytical proficiency
- Investigation and research techniques
- Teamwork skills

Courses offered at Deakin University include

- Bachelor of Engineering (with civil engineering major)

Labour market information

Grads online has information regarding graduate salaries and where graduates go after completing their course www.gradsonline.com.au

Job Outlook has information about the labour market outlook http://joboutlook.gov.au

Related occupations

- Agricultural Engineer
- Building Contractor
- Building Surveyor
- Civil and Structural Engineering Associate
- Civil Engineering Technologist
- Construction Project Manager

- Environmental Engineer
- Surveyor
- Urban and Regional Planners

An industry career profile, salary and other employment information can be obtained from the My Future website www.myfuture.edu.au

Descriptions of occupations can be found at The Job Guide www.jobguide.thegoodguides.com.au

Employers

Victorian Government http://jobs.careers.vic.gov.au

Vic Roads www.vicroads.vic.gov.au

Department of Infrastructure, Transport, Regional Development and Local Government www.infrastructure.gov.au

BHP Billiton www.bhpbilliton.com

BlueScope Steel www.bluescopesteel.com/graduates

MWH www.mwhglobal.com

Parsons Brinckerhoff Australia www.pb.com.au

Transport Infrastructure Development Corporation www.tidc.nsw.gov.au

URS www.ap.urscorp.com

Worley Parsons www.worleyparsons.com/graduates

Barwon Water www.barwonwater.vic.gov.au

Transurban www.transurban.com.au

For specific employment opportunities visit the following sites

Engineering Jobs www.engineeringjobs.com.au

Technical Resources www.techresourses.com.au

Deakin University Jobshop www.deakin.edu.au/jobshop

Graduate Opportunities www.graduateopportunities.com

Uni Grad www.unigrad.com.au

Seek www.seek.com.au

My Career www.mycareer.com.au

Career One www.careerone.com.au

Professional associations

Engineers Australia www.engineersaustralia.org.au

Engineers Australia (Vic Division) www.vic.engineersaustralia.org.au

Association of Professional Engineers, Scientists and Managers,

Australia (APESMA) www.apesma.asn.au

Institute of Public Works Engineering Australia (IPWEA) www.ipwea.org.au

Australian Constructors Association www.constructors.com.au

CPG Australia http://au.cpg-global.com