



### BACHELOR OF ENGINEERING (CIVIL) (C050)

For entry and admission requirements for Bachelor of Engineering (Civil) go to the Swinburne website [www.swinburne.edu.au](http://www.swinburne.edu.au) and click on the Courses toolbar.

#### What can I do with this degree?

Civil engineering is an international profession that involves the design, construction, operation and improvement of the built environment. Civil engineers provide the technical expertise and management skills to plan, design, construct, maintain and rehabilitation such facilities as buildings, bridges, dams, water supply systems, waste treatment systems, road and rail networks, air and sea ports in a sustainable manner to reduce the impact on the environment.

Civil engineering offers a creative and rewarding career for men and women in many different areas, which are essential to modern life. Currently career prospects for civil engineers are excellent, both in Australia and overseas with near 100% employment. Because Civil Engineers are responsible for many of Australia's essential services and infrastructure they will provide a vital role in the nation's future. The development and management of large infrastructure systems in a sustainable manner is emerging as a new challenge for Civil Engineering graduates.

Civil engineering provides excellent preparation for many general managerial positions in a wide range of businesses. Swinburne graduates are in strong demand and are highly respected across all sectors of professional employment.

#### Graduates may be employed as

- Account Manager
- Assistant Project Manager
- Building Surveyor
- Catchment Planning Engineer
- Civil Engineer
- Construction Engineer
- Construction Supervisor/Consultant
- Contractor Supervisor
- Design Engineer
- Draftsman
- Engineer
- Executive Officer
- Graduate Engineer
- Graduate Site Engineer
- Junior Structural Engineer
- Policy officer
- Project Engineer
- Project Manager
- Project Supervisor/Manager
- Regional Project Engineer
- Site Engineer
- Structural Engineer
- Teacher – TAFE
- Traffic Engineer

#### Examples of where you may find employment:

Civil Engineering is an increasingly challenging and satisfying career with opportunities as planners, designers, contractors, construction managers or researchers. Civil Engineers are employed in both the private and public sectors including public authorities, local government, consulting firms, industry whilst some develop their own business.

Civil engineering provides excellent preparation for many general managerial positions in a wide range of businesses. Swinburne graduates are in strong demand and are highly respected across all sectors of professional employment.

#### What industry do Engineering graduates work in?

Private	90.1%
Government	5.6%
Other	2.4%
Education	1.2%
Health	0.7%

Source: [www.gradsonline.com.au](http://www.gradsonline.com.au)

## The skills and attributes required by Bachelor of Engineering (Civil) graduates

In addition to a Bachelor of Engineering degree, employers look for

- Good communication skills
- Good presentation skills
- Ability to build rapport with clients
- Ability to analyse and solve problems
- Good organisational skills
- Professional and ethical employees
- Excellent numeracy skills
- Attention to detail and accuracy
- Ability to work independently

### You also need

A strong grasp of both the practical and theoretical sides of science. An eye for detail and an aptitude for technical matters are also required.

- Computing skills, as computer-aided design (CAD) has transformed engineering in recent years
- Ability to precisely observe and measure
- Patience and imagination
- Good at design

### Swinburne Graduate Attributes

Bachelor of Engineering (Civil) graduates will potentially be

- Entrepreneurial in contributing to innovation and development within their business, workplace, or community
- Capable in their chosen professional, vocational or study areas
- Able to operate effectively in work and community situations
- Adaptable and able to manage change
- Aware of environments in which they will be contributing

### What do Engineering graduates do after finishing their courses? *Source: www.gradsonline.com.au*

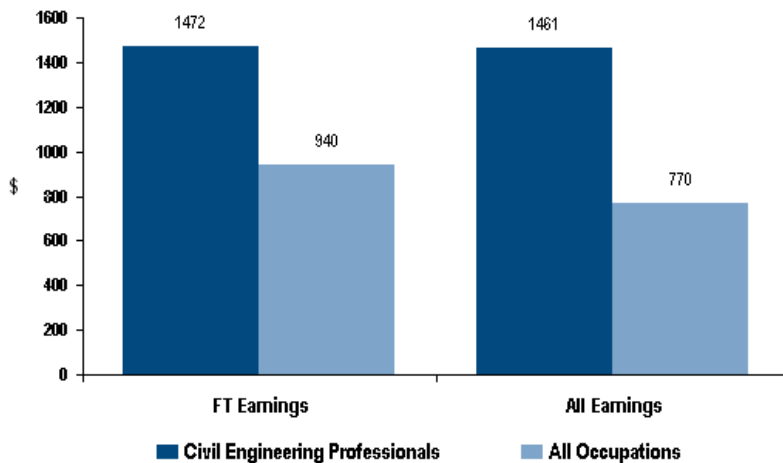
Working 90.8%  
Studying 11.3%  
Searching 9.2%

### Job Prospects for Civil Engineering graduates

- Job prospects for Civil Engineering Professionals are GOOD
- Employment for Civil Engineering Professionals to 2012-13 is expected to GROW SLIGHTLY. Employment in this large occupation (34,900 in August 2008) rose moderately in the past five years, and rose slightly in the long-term (ten years).
- Civil Engineering Professionals have a high proportion of full-time jobs (93 per cent). For Civil Engineering Professionals working full-time, average weekly hours are 42.0 (compared to 41.8 for all occupations) and earnings are high – in the tenth decile. Unemployment for Civil Engineering Professionals is below average
- Civil Engineering Professionals are employed across several industries including: Professional, Scientific and Technical Services, Construction, Public Administration and Safety, and Electricity, Gas, Water and Waste Services.
- The vacancy level for Civil Engineering Professionals is MODERATE. Vacancies arising from job changing (Civil Engineering Professionals changing employers) are expected to provide 31.5 per cent of vacancies, compared with 64.7 per cent from job openings (Civil Engineering professionals leaving the occupation) and 3.7 per cent from new jobs (employment growth for Civil Engineering Professionals).
- The mix of industries employing Civil Engineering Professionals is very favourable for employment growth prospects.

*Source: Australian Government job search [www.jobsearch.gov.au/Careers](http://www.jobsearch.gov.au/Careers)*

## Civil Engineering Professionals Weekly Earnings (full time and before tax)



The graph shows weekly earnings both total and full-time - before tax - for workers of all ages for this occupation, compared with all occupations and the broad occupational group. These figures cannot be used in determining a particular wage rate or as a indication of what a particular person will earn in that job.

Source: ABS Employee Earnings, Benefits and Trade Union Membership, August 2007

Source: Australian Government jobsearch [www.jobsearch.gov.au/Careers](http://www.jobsearch.gov.au/Careers)

### Some employers who have recently employed Swinburne Civil Engineering graduates

Delta Group Australia  
[www.deltagroup.com.au/default.aspx](http://www.deltagroup.com.au/default.aspx)  
 Project Engineer

Theiss Pty Ltd  
[www.thiess.com.au](http://www.thiess.com.au)  
 Site Engineer

Geotechnical Engineering  
[www.geotech.net.au](http://www.geotech.net.au)  
 Graduate Engineer

VicRoads  
[www.vicroads.vic.gov.au](http://www.vicroads.vic.gov.au)  
 Graduate Engineer/ Road Access Planner

Parsons Brinckerhoff  
[www.pb.com.au](http://www.pb.com.au)  
 Civil Engineer

WorkSafe Victoria  
[www.workcover.vic.gov.au](http://www.workcover.vic.gov.au)  
 Graduate Engineer

Stablime Distributors Pty Ltd  
[www.stabil-lime.com.au/careers.htm](http://www.stabil-lime.com.au/careers.htm)  
 Engineer

### The following Employers offer Graduate Programs to Civil Engineering Graduates

Adelaide Brighton Ltd  
[www.adbri.com.au](http://www.adbri.com.au)  
 Abigroup Contractors  
[www.abigroup.com.au](http://www.abigroup.com.au)

Fluor Australia  
[www.fluorcareers.com/graduates.html](http://www.fluorcareers.com/graduates.html)  
 Fulton Hogan  
[www.fultonhogancareers.com.au/jobcentre](http://www.fultonhogancareers.com.au/jobcentre)

Parsons Brinckerhoff  
[www.pb.com.au](http://www.pb.com.au)  
 Queensland Alumina Limited  
[www.qal.com.au](http://www.qal.com.au)

Anglo Coal Australia (ACA)  
[www.anglocoal.com.au](http://www.anglocoal.com.au)  
 Arup Pty Ltd  
[www.arup.com/careers.cfm](http://www.arup.com/careers.cfm)

GHD Pty Ltd  
[www.ghd.com.au/careers](http://www.ghd.com.au/careers)  
 GKN Aerospace Engineering Services Pty Ltd  
[www.ukes.aerospace.gknplc.com](http://www.ukes.aerospace.gknplc.com)

RailCorp  
[www.railcorp.nsw.gov.au](http://www.railcorp.nsw.gov.au)  
 Rio Tinto  
[www.graduates.riotinto.com](http://www.graduates.riotinto.com)

AUSENCO  
[www.ausenco.com](http://www.ausenco.com)

Goulburn-Murray Water  
[www.g-mwater.com.au/careers](http://www.g-mwater.com.au/careers)

Roads and Traffic Authority NSW  
[www.rta.nsw.gov.au/careers](http://www.rta.nsw.gov.au/careers)

Australian Nuclear Science and Technology Organisation (ANTSO) [www.ansto.gov.au](http://www.ansto.gov.au)  
 Boulderstone Hornibrook  
[www.bh.com.au/careers](http://www.bh.com.au/careers)

Grogan Richards P/L [www.grorich.com.au](http://www.grorich.com.au)

Santos  
[www.santos.com](http://www.santos.com)

GTA Consultants  
[www.gta.com.au](http://www.gta.com.au)

Shedden Uhde Pty Ltd  
[www.uhdshedden.com/Careers](http://www.uhdshedden.com/Careers)

Beca  
[www.becagraduates.com](http://www.becagraduates.com)

BHP Billiton  
[www.bhpbilliton.com](http://www.bhpbilliton.com)  
BlueScope Steel  
[www.bluescopesteel.com](http://www.bluescopesteel.com)  
BMD Constructions  
[www.bmd.com.au/Careers.aspx](http://www.bmd.com.au/Careers.aspx)  
Boral  
[www.boral.com.au](http://www.boral.com.au)  
Bovis Lend Lease  
[www.bovislendlease.com](http://www.bovislendlease.com)  
Brown Consulting  
[www.brownconsulting.com.au](http://www.brownconsulting.com.au)  
Cardno Grogan Richards  
[www.cardno.com/careers.htm](http://www.cardno.com/careers.htm)  
Castalia  
[www.castalia.fr](http://www.castalia.fr)  
Chevron  
[www.chevron.com/careers](http://www.chevron.com/careers)  
City Wide Service Solutions  
[www.citywide.com.au](http://www.citywide.com.au)  
Clough Limited  
[www.clough.com.au](http://www.clough.com.au)

Coffey Geotechnics  
[www.coffeygeosciences.com.au](http://www.coffeygeosciences.com.au)  
Connell Wagner  
[www.conwag.com](http://www.conwag.com)  
Department of Human Services  
[www.dhs.vic.gov.au](http://www.dhs.vic.gov.au)  
Department of Transport and  
Regional Services  
[www.dotars.gov.au/department/careers/graduate](http://www.dotars.gov.au/department/careers/graduate)  
Department of Defence  
[www.defence.gov.au](http://www.defence.gov.au)  
Department of the Environment  
and Heritage  
[www.deh.gov.au/jobs/graduate](http://www.deh.gov.au/jobs/graduate)  
Ergon Energy  
[www.ergon.com.au](http://www.ergon.com.au)

### Other Potential Employers

AGB Group  
[www.agbgroup.com.au](http://www.agbgroup.com.au)  
AMOG Consulting  
[www.amogconsulting.com](http://www.amogconsulting.com)  
ARRB Group Ltd  
[www.arrb.com.au](http://www.arrb.com.au)

Asia Pacific Rail  
[www.asiapacificrail.com.au](http://www.asiapacificrail.com.au)  
Atkins Engineering  
(03) 9770 8277

Halcrow Australia  
[www.halcrow.com](http://www.halcrow.com)

Hatch Associates Pty Ltd  
[www.hatch.com.au](http://www.hatch.com.au)  
Hyder Consulting Pty Ltd  
[www.hydercareers.com.au](http://www.hydercareers.com.au)  
IrwinConsult  
[www.irwinconsult.com.au](http://www.irwinconsult.com.au)  
Jemena  
[www.jemena.com.au](http://www.jemena.com.au)  
John Holland  
[www.johnholland.com.au](http://www.johnholland.com.au)  
Kellogg Brown & Root Pty Ltd (KBR)  
[www.kbr.com](http://www.kbr.com)  
Lend Lease Corporation  
[www.lendlease.com](http://www.lendlease.com)  
Leighton  
[www.leighton.com.au](http://www.leighton.com.au)  
Main Roads Western Australia  
[www.mainroads.wa.gov.au](http://www.mainroads.wa.gov.au)  
Maunsell Australia Pty Ltd  
[www.maunsell.com](http://www.maunsell.com)  
McConnell Dowell Corporation Limited  
[www.macdow.com.au/people\\_and\\_careers.asp](http://www.macdow.com.au/people_and_careers.asp)

Meinhardt  
[www.meinhardt.com.au/graduate.php](http://www.meinhardt.com.au/graduate.php)  
Melbourne Water  
[www.melbournewater.com.au](http://www.melbournewater.com.au)  
Newcrest Mining Limited  
[www.newcrestgraduates.com.au](http://www.newcrestgraduates.com.au)  
Onesteel  
[www.onesteel.com/jobshome.asp](http://www.onesteel.com/jobshome.asp)

Origin Energy  
[www.originenergy.com.au](http://www.originenergy.com.au)  
Opus International Consultants  
<http://recruitment.opusinternational.com>

Orica  
[www.orica.com](http://www.orica.com)

Darebin City Council  
[www.darebin.vic.gov.au](http://www.darebin.vic.gov.au)  
Dalton Consulting Engineers  
[www.dceprofile.com](http://www.dceprofile.com)  
East Gippsland Water Corporation  
[www.egwater.vic.gov.au](http://www.egwater.vic.gov.au)

Fisher Dowell  
(03) 9894 2828  
FM Global  
[www.fmglobal.com](http://www.fmglobal.com)

Schlumberger Oilfield Australia  
[www.slb.com/content/careers](http://www.slb.com/content/careers)

Simmonds Homes  
[www.simonds.com.au](http://www.simonds.com.au)  
Sinclair Knight Merz  
[www.skmconsulting.com](http://www.skmconsulting.com)  
South East Water  
[www.southeastwater.com.au](http://www.southeastwater.com.au)  
Technip Oceania  
<http://careers.technip.com.au>  
Theiss Pty Ltd [www.thiess.com.au](http://www.thiess.com.au)

TransGrid  
[www.transgrid.com.au](http://www.transgrid.com.au)  
Transfield Pty Ltd  
[www.transfieldservices.com](http://www.transfieldservices.com)  
WorkSafe Victoria  
[www.workcover.vic.gov.au](http://www.workcover.vic.gov.au)  
Worley Parsons  
[www.worleyparsons.com](http://www.worleyparsons.com)  
Woodside Energy Ltd  
[www.woodside.com.au](http://www.woodside.com.au)  
United Group Limited  
[www.unitedgrouppltd.com](http://www.unitedgrouppltd.com)

URS  
[www.ap.urscorp.com](http://www.ap.urscorp.com)  
United Water  
[www.uwi.com.au](http://www.uwi.com.au)  
VicRoads [www.vicroads.vic.gov.au](http://www.vicroads.vic.gov.au)

Victorian Government  
[www.graduates.vic.gov.au](http://www.graduates.vic.gov.au)

Wood & Grieve Engineers  
[www.wge.com.au](http://www.wge.com.au)  
Xstrata  
[www.xstratacareers.com.au](http://www.xstratacareers.com.au)

Nillumbik Shire Council  
[www.nillumbik.vic.gov.au](http://www.nillumbik.vic.gov.au)  
Northern Territory Government  
[www.makeyourmark.nt.gov.au](http://www.makeyourmark.nt.gov.au)  
Parioisien Grant & Associates Pty  
Ltd  
[www.pga.net.au/employment.php](http://www.pga.net.au/employment.php)  
Pioneer Road Services  
[www.prs.com.au](http://www.prs.com.au)  
Production Services Network Pty  
Ltd [www.psnwater.com.au](http://www.psnwater.com.au)

Australian Tailings Consultant  
[www.webforum.com/mpaw](http://www.webforum.com/mpaw)  
Australand  
[www.australand.com.au](http://www.australand.com.au)

Frankston City Council  
[www.frankston.vic.gov.au](http://www.frankston.vic.gov.au)  
Gardner Group  
[www.gardner.com.au](http://www.gardner.com.au)

Port of Melbourne Corporation  
[www.portofmelbourne.com](http://www.portofmelbourne.com)  
Red R Australia  
[www.redr.org.au](http://www.redr.org.au)

Barry Coulthard  
(03) 9735 5200  
Bonacci Group  
[www.bonaccigroup.com](http://www.bonaccigroup.com)  
Brimbank City Council  
[www.brimbank.vic.gov.au](http://www.brimbank.vic.gov.au)  
City of Bendigo  
[www.bendigo.vic.gov.au](http://www.bendigo.vic.gov.au)  
City of Casey  
[www.casey.vic.gov.au](http://www.casey.vic.gov.au)  
City of Greater Geelong  
[www.geelongaustralia.com.au](http://www.geelongaustralia.com.au)  
City of Kingston  
[www.kingston.vic.gov.au](http://www.kingston.vic.gov.au)  
City of Melbourne  
[www.melbourne.vic.gov.au](http://www.melbourne.vic.gov.au)  
City of Monash  
[www.monash.vic.gov.au](http://www.monash.vic.gov.au)  
City of Stonnington  
[www.stonnington.vic.gov.au](http://www.stonnington.vic.gov.au)  
City of Whittlesea  
[www.whittlesea.vic.gov.au](http://www.whittlesea.vic.gov.au)  
Coliban Water  
[www.coliban.com.au](http://www.coliban.com.au)  
CSIRO  
[www.csiro.au](http://www.csiro.au)

Gippsland Water  
[www.gippswater.com.au](http://www.gippswater.com.au)  
Golder Associates  
[www.golder.com.au/mining](http://www.golder.com.au/mining)  
Goulburn Valley Water  
[www.gvwater.vic.gov.au](http://www.gvwater.vic.gov.au)  
Halliburton  
[www.halliburton.com/careers](http://www.halliburton.com/careers)  
Hendry Group  
[www.hendrygroup.com.au](http://www.hendrygroup.com.au)  
John Mullen & Partners Pty Ltd  
[www.jmp.com.au](http://www.jmp.com.au)  
Lambert & Rehbein  
[www.lar.net.au/careers.cfm](http://www.lar.net.au/careers.cfm)  
LEK Consulting  
[www.lek.com/careers/index.cfm](http://www.lek.com/careers/index.cfm)  
Lower Murray Water  
[www.lmw.vic.gov.au](http://www.lmw.vic.gov.au)  
Manningham Council  
[www.manningham.vic.gov.au](http://www.manningham.vic.gov.au)  
Mckenzie Group  
[www.mckenzie-group.com.au](http://www.mckenzie-group.com.au)  
Metro Building Surveyors  
[www.metrobs.com.au](http://www.metrobs.com.au)

Risk & Reliability Assoc (R2A)  
[www.r2a.com.au](http://www.r2a.com.au)  
Miller & Merrigan  
[www.millarmerrigan.com.au](http://www.millarmerrigan.com.au)  
ML Traffic Engineers  
[www.mltraffic.com.au](http://www.mltraffic.com.au)  
MWH Australia Pty Ltd  
[www.mwhglobal.com.au](http://www.mwhglobal.com.au)  
Shell  
[www.shell.com](http://www.shell.com)  
Stratco Australia Pty Ltd  
[www.stratco.com.au](http://www.stratco.com.au)  
SunWater  
[www.sunwater.com.au](http://www.sunwater.com.au)  
Syfon Systems  
[www.syfon.com](http://www.syfon.com)  
Thinc Projects  
[www.thincprojects.com](http://www.thincprojects.com)  
Water Technology Pty Ltd  
[www.watech.com.au](http://www.watech.com.au)  
WBCM Pty Ltd  
[www.wbcm.com.au](http://www.wbcm.com.au)  
Yarra Valley Water  
<http://careers.yvw.com.au>

### Engineering Websites and Jobs

- [www.civilconstructioncareers.com.au](http://www.civilconstructioncareers.com.au)
- [www.reflections.com.au/MiningandExploration](http://www.reflections.com.au/MiningandExploration)
- [www.engineeringjobs.net.au](http://www.engineeringjobs.net.au)
- [www.engaust.com.au](http://www.engaust.com.au)
- [www.jobstreet.com/uni/engineer.htm](http://www.jobstreet.com/uni/engineer.htm)
- [www.smec.com.au/employment](http://www.smec.com.au/employment)
- [www.justengineers.net](http://www.justengineers.net) – UK site

### Recruitment Agencies

AAAI Group  
[www.aaai.com.au](http://www.aaai.com.au)  
Adecco  
[www.adecco.com.au](http://www.adecco.com.au)  
Adesse  
[www.adesse.com.au](http://www.adesse.com.au)  
AK Advantage  
[www.akerkvaerner.com](http://www.akerkvaerner.com)  
AndersElite  
[www.AndersElite.com.au](http://www.AndersElite.com.au)  
Australian Recruiting  
[www.australianrecruiting.com](http://www.australianrecruiting.com)  
Australia Wide Personnel  
[www.australiawide.com.au](http://www.australiawide.com.au)  
Bayside Group  
[www.baysidegrp.com.au](http://www.baysidegrp.com.au)  
BDS Recruit  
[www.bdsglobal.com](http://www.bdsglobal.com)

Chandler Macleod  
[www.chandlermacleod.com](http://www.chandlermacleod.com)  
Davidson Recruitment  
[www.davidsonrecruitment.com.au](http://www.davidsonrecruitment.com.au)  
Design & Build  
[www.designandbuild.com.au](http://www.designandbuild.com.au)  
Downing Teal & DT Workforce  
[www.downingteal.com](http://www.downingteal.com)  
Drake Industrial  
[www.drakeintl.com](http://www.drakeintl.com)  
Engineerjobs  
[www.EngineerJobs.com.au](http://www.EngineerJobs.com.au)  
ERS  
[www.ersaustralia.com.au](http://www.ersaustralia.com.au)  
Fusion People  
[www.fusionpeople.com](http://www.fusionpeople.com)  
Hays  
[www.hays.com.au](http://www.hays.com.au)

Just Engineers  
[www.justengineers.net](http://www.justengineers.net)  
Manpower  
[www.manpower.com.au](http://www.manpower.com.au)  
Nizza Recruitment Services  
[www.nizza.com.au](http://www.nizza.com.au)  
Now Careers  
[www.nowcareers.com.au](http://www.nowcareers.com.au)  
PCA Personnel Pty Ltd  
[www.pcapersonnel.com.au](http://www.pcapersonnel.com.au)  
Peter Norman Personnel  
[www.peternorman.com.au](http://www.peternorman.com.au)  
ReadyWorkforce  
[www.readyworkforce.com.au](http://www.readyworkforce.com.au)  
SKILLED  
[www.skilled.com.au](http://www.skilled.com.au)  
Swann Group  
[www.swannglobal.com](http://www.swannglobal.com)

Beilby  
www.beilby.com.au  
Beresford Blake Thomas Professional  
and Technical Recruitment }  
www.bbtglobal.com.au

Hudson  
www.hudson.com  
John Davidson & Associates  
www.jda.com.au

TAD  
www.tad.com.au  
Tanner Menzies  
www.tannermenzies.com

CDS Personnel  
www.cdspersonnel.com.au

John Davidson & Associates  
www.jda.com.au

TSM Selection  
www.tsmselection.com.au

**General employment sites:**

- www.careerone.com.au
- www.graduateopportunities.com
- www.jobsearch.com.au
- www.jobsearch.gov.au
- www.mycareer.com.au
- www.myfuture.edu.au
- www.seek.com.au
- www.unigrad.com.au

**Professional associations**

Professional associations may conduct conferences, seminars, presentations and social functions to help members keep abreast of current practices and for networking purposes. For students, these events can be an excellent source of contacts and relevant information. Membership is usually open to students at a reduced rate.

- APESMA - Association of Professional Engineers  
Scientists Managers Australia  
www.apesma.asn.au
- Association of Consulting Engineers Australia  
www.acea.com.au
- Australian Institute of Refrigeration, Air  
Conditioning and Heating  
www.airah.org.au
- Engineers Australia  
www.engineersaustralia.org.au
- Engineers Without Borders  
www.ewb.org.au
- Institute of Industrial Engineers Australia  
www.iie.com.au
- National Professional Engineers Register  
www.nerb.org.au
- Young Engineers Australia (YEA)  
www.youngengineers.com.au

**Postgraduate study options:**

Postgraduate programs for Engineering students are offered by coursework and research at Swinburne University. Programs are offered as a nested suite, offering students the opportunity to exit at the graduate certificate, graduate diploma or master stage.

- **Graduate Certificate of Engineering (Civil) (C101)**
- **Master of Technology (Civil) (C102)**
- **Master of Engineering (Civil) (C103)**
- **Master of Engineering (Civil – Honours) (C104)**

Career opportunities: The skills attained from the program should assist graduates gaining employment in a range of industries including, consulting engineering, construction, local government and public and private infrastructure owners.

- **Graduate Certificate of Technology (Construction Management) (C062Y)**
- **Graduate Diploma of Technology (Construction Management) (C082Y)**
- **Master of Technology Management (Construction Management) (C092Y)**

Career Opportunities: Graduates can follow careers in a large range of industries including consulting engineering, construction, research organisations, private sector, local and other government authorities as:

- Construction Manager
- Project Engineer/ Manager
- Civil Engineer
- Asset Management Engineer

**New Study Option:** Swinburne now offers students an opportunity to undertake the Master of Technology (Civil) in conjunction with the Master of Technology Management (Construction Management) and reduce the study length from two and a half years to only two years.

- **Graduate Certificate of Technology (Risk Management) (MO77)**
- **Graduate Diploma of Technology (Risk Management) (MO78)**
- **Master of Technology (Risk Management) (MO97)**

Career Opportunities: There are many ways in which organisations can suffer loss. Consequently a number of organisations employ professionals to ensure that adequate loss prevention management processes and strategies are in place to ensure that losses are avoided or kept to a minimum. Career opportunities therefore exist throughout the broad field of commerce and industry.

▪ **Graduate Certificate in Sustainability (H21545VIC)**

Career Opportunities: Graduates will be sought after by local, state and federal governments, and by organisations operating in areas such as:

- Land and water management
- Energy
- Design eg. Building, manufacturing, engineering
- Sustainable production
- Plastics and chemicals
- Change management
- Environmental sustainability
- Social sustainability

The following research degrees are offered by Swinburne University to Engineering students:

- **Master of Engineering (by research) (EIS190)**
- **Master of Science (by research) (EIS195)**
- **Master of Mathematics (by research) (EIS197)**
- **Doctor of Philosophy (Engineering) (EIS001)**
- **Doctor of Philosophy (Science) (EIS002)**
- **Doctor of Philosophy (Mathematics) (EIS003)**

A full listing of all postgraduate courses offered by Swinburne is available at: [www.swinburne.edu.au/postgrad/courses](http://www.swinburne.edu.au/postgrad/courses)

**What help does Careers and Employment offer?** [www.swinburne.edu.au/careers](http://www.swinburne.edu.au/careers)

- Career Counselling for Students
- Career Seminars
- Career Resource Library
- Interactive Programs
- Voluntary Work Experience Program
- **SwinEmploy** offers the following resources:
  - All job offers for graduate placements, casual, vacation, part-time and full-time employment
  - Links to employer websites
  - Enables students to book online for events such as workshops, employer information sessions and interviews
  - Access to Going Global (Over 10,000 job vacancies listed across Europe, Asia-Pacific, UK, US. Global key employer directories, work permits & visa regulations, country specific cultural & interviewing advice & more)

**Careers & Employment**

Swinburne Place  
West Building, Ground Floor  
Wakefield Street, Hawthorn

Telephone: 9214 5360  
Email: [careers@swin.edu.au](mailto:careers@swin.edu.au)

**Download Careers and Employment job search handouts**

- Addressing Selection Criteria
- Assessment Centres
- Cover Letters or Letters of Application
- Curriculum Vitae or Resume
- Interviews - How to Plan, Prepare and Perform
- Informational Interviewing
- Job Hunting
- Networking: What Is It and How Do You Do It?
- Online Applications
- Psychometric Tests
- Skills and Attributes
- Thinking About Changing Your Course?

*This material has been produced from the Graduate Destinations Survey, Swinburne University and Graduate Careers Council of Australia material, Graduate Opportunities, Australian Job Search, The Job Guide, Professional Associations and Careers and Employment research.*



## Traffic Engineer

**Graduate Opportunity**  
**\$50,479 p.a. (Band 5) plus super**  
**Permanent Full-Time**

Hume City Council is a dynamic and leading local government that prides itself on achieving the highest quality outcomes while ensuring it supports and encourages staff in their career. Hume is one of the fastest growing and most diverse municipalities in Australia.

We're seeking an enthusiastic and motivated Traffic Engineer to join the Infrastructure Planning team.

The role requires you to provide solutions to traffic management, parking and transportation matters, prepare designs for traffic treatments, prepare functional plans for road and intersection improvements, undertake Local Area Traffic Management studies, assess Town Planning applications, interact with internal departments and liaise with external authorities.

You'll have tertiary qualifications in Civil Engineering and demonstrate knowledge and ability in Civil Engineering design principals and computer skills. Good written and verbal communication skills are essential. Graduates are encouraged to apply.

Please download an Application Form, Information Kit and Position Description from our website:  
[www.hume.vic.gov.au](http://www.hume.vic.gov.au)

For further information regarding this position contact, Jonnie Missos, Team Leader Traffic on 9205 2416.

Hume City Council – a great choice for you and your career.

***Taken from seek.com, Dec 2008***



## Graduate Programme 2009

**ASX listed growth company**  
**Excellent career opportunities for six graduates**  
**Brisbane, Melbourne, North Sydney or Perth**

Savcor Group Ltd (ASX SAV) is an industrial technology company that is a market leader in the application of surface protection technologies. Its' subsidiaries Savcor ART Pty Ltd and Savcor Finn Pty Ltd are Australia's leading companies in the area of rehabilitation and protection of buildings, infrastructure and industrial assets.

Savcor Graduate Program offers a permanent, full time position including:

- 2-3 year programme with continued learning and development
- Opportunities for future career and career path in an international growth company
- A nominated mentor for support and advice
- Competitive remuneration

As the successful applicant you will:

- Have completed a degree in civil, materials, or chemical engineering, applied science, construction management or similar within the last 3 years or be graduating before December 2008
- Hold an academic record
- Be ambitious and driven with "can do" attitude
- Have a current drivers license
- Have the legal right to work in Australia

Please email your resume and copy of your academic record with covering letter indicating preference for location to [graduate@savcor.com.au](mailto:graduate@savcor.com.au) before applications close 5th December 2008.

For more information visit our website <http://www.savcor.com.au/graduate>

***Taken from seek.com, Dec 2008***

# Graduate - Civil / Environmental Infrastructure Focus

- Graduate Opportunity
- International Environmental Specialist
- Environmental Infrastructure Design
- Career Development Opportunity

One of the largest environmental consulting firms worldwide is urgently seeking your expertise as a Civil or Environmental Engineer to work across specialist environmental infrastructure projects in Victoria. Ideally your experience has involved civil design in connection with roads & drainage infrastructure, exposure to concrete structures and slope design would be highly advantageous. You will be seeking to move into a specialist environmental sector and work within the rapid growth industry of waste management.

This position requires engineering design work focusing primarily on providing professional and technical services in the engineering and construction services. This consulting group is urgently seeking a Civil or Environmental Engineer to service their stable long term clients. Experience in solid waste management is preferred but not required.

In this role your function will be:

Project Management  
Feasibility and details project design  
Tender preparations  
Preparation of quantity estimates and tenders for construction  
Design, operation of waste transfer stations  
Landfill design and construction  
Environmental monitoring

In order to be successful in this role you will ideally have the following

A degree in Environmental Engineering or Civil Engineering  
Design experience or exposure to a design office  
Minimum of 2 years of civil infrastructure experience  
Competent in engineering design using AutoCAD, and 3D modelling  
Experience in studies or projects management  
A good team member  
A desire to work in the specialist environmental sector

This role presents an exceptionally unique opportunity to become involved with one of the largest environmental engineering consulting firms globally, on going career development within a STABLE industry group is guaranteed along with an open and friendly working environment and a competitive salary. Further enquires can be made to Clint Harrison on 9696 9111. Please apply for this position using the links below.

TSM Selection Pty Ltd  
Level 5, 150 Albert Road, South Melbourne, 3205  
Phone 03 9696 9111 • Fax 03 9923 6198  
Email: Please click the 'Apply Now' button below.  
Website: [www.tsmselection.com.au](http://www.tsmselection.com.au)

***Taken from seek.com, Dec 2008***