

UNSW'S CIVIL AND ENVIRONMENTAL ENGINEERING SOCIETY

CEVSOC 2020



CAREERS GUIDE



UNSW
SYDNEY

Civil & Environmental
Engineering

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CIVIL AND ENVIRONMENTAL ENGINEERING INDUSTRY PARTNERS AND SUPPORTERS

Funders of Academic Positions

Advisian
Workley Group



ANSTO

VICTORIA
State Government

Melbourne Water



School Industry Partners

ARUP

aurecon



CIMIC

CMS
SURVEYORS

E3 Advisory

LAING O'ROURKE

**MACQUARIE
GEOTECH**

MULTIPLEX

SMEC
Member of the Surbana Jurong Group

TTW Taylor
Thomson
Whitting

WSP

School Industry Supporters

Cardno



Jacobs Challenging today.
Reinventing tomorrow.

rps MAKING
COMPLEX
EASY

**TURNBULL
ENGINEERING**
INFRASTRUCTURE DESIGN

INDUSTRY SECTORS

With a degree in civil and/or environmental engineering, a graduate can enter the workforce with the possibility to explore a vast array of industry sectors. Each industry sponsor specialises in certain sectors with the most common explained below:

CONSULTING

In this field, engineers are primarily involved in the design of buildings and infrastructure, encompassing various disciplines of engineering. Roles within these firms range from purely technical design work to project management. Consulting work is mostly office-based, however particular roles require site visits to aid design and to ensure the construction stage accurately follows its plans.

CONTRACTING

Contractors are responsible for the construction of projects, which involves transforming designs into a physical structure. These roles involve the management of labour and material resources to ensure projects are run safely, on time and within budget. They usually work in conjunction with consulting companies to interpret their designs and plan construction stages. Contracting work is primarily based on-site.

GOVERNMENT

Engineers and technical staff working in the public sector and government policy development plan, organise, direct, control, coordinate and advise on the engineering and technical operations. The public sector is composed of 10 departments that, in partnership with external agencies, develop policy and deliver important services such as health, education, housing, transport and infrastructure. These organisations include the Roads and Maritime Service or Sydney Water.

RESEARCH

Engineering researchers study a very diverse range of areas within the field of civil and environmental engineering, and surveying and geospatial engineering. It all comes back to one thing – helping the industry do things better, make smarter choices and advance the thinking of those working in the field. The UNSW School of Civil and Environmental Engineering contributes significantly to this field.

INDUSTRY SPECIALISATIONS

Within the sectors listed on the previous page, professional engineers usually specialise in a specific area of interest. The most common are listed below:

ENVIRONMENTAL

This broad field encompasses the four major areas of civil engineering. The role of an environmental engineer can range from carbon mapping to remediation works on a project.

GEOTECHNICAL

Using the soil and rock mechanics, geotechnical engineers examine subsurface material composition. Their results are used in consulting and contracting to ensure that projects are delivered safely and efficiently.

PROJECT MANAGEMENT

Project managers are high-level employees responsible for overseeing works from the initiation phase to planning, executing and handover.

STRUCTURAL

Contributing significantly in the design phase, structural engineers provide technical advice on the design of a weight-bearing structure such as buildings, bridges and tunnels.

SURVEYING

Surveyors determine the three-dimensional compositions of terrain to assist in design development and construction.

TRANSPORT

Engineers often work with governmental agencies to construct new or improve existing transport infrastructure including roads and rail commonly working with traffic engineers to produce an optimised solution.

TUNNELLING

An in-depth knowledge of structural, transport and geotechnical engineering is required for a tunnelling engineer whose role is to strategically plan the excavation of tunnels and construction of their supporting structures.

WATER

Forming part of both engineering in the built and natural environment, a water engineer's role can range from environmental contamination of water to the infrastructure required for water transport.

NETWORKING TIPS

Research & Ask Relevant Questions

Having a purpose is the key to successful networking. Before attending any networking event, research the companies that will be in attendance or of interest. Based on your findings, you would have gathered useful information and be able to prepare specific questions to ask, which results in a more engaging conversation and a better first impression.



Dress for the Occasion

What one wears to a networking event is a physical representation of the value that person places on the experience which may translate into the quality of new connections and partnerships. Based on your appearance, industry representatives may perceive you as ambitious, intelligent, successful and so on. Aim to wear a formal shirt paired with an appropriate skirt or trousers and nice shoes.



Attend Multiple Networking Events

Attending multiple networking events contributes to developing rapport with your contacts as you may meet the same industry representatives more than once and become recognisable. It will also build your confidence when speaking to professionals resulting in more effective networking.



Use LinkedIn

LinkedIn is a social and networking medium used by professionals to connect with one another. Besides your resume, it is common practice for HR to reference your LinkedIn profile to better understand your portfolio. Come prepared with an up-to-date LinkedIn profile as you may connect with some of the professionals you need on the platform.



Follow up on Contacts

If you have a specific interest in a company or person, follow up after the networking event using professional networking tools such as LinkedIn or email. Remember to consider the following:

- Stating where you met and what was discussed
- Have a photo on your LinkedIn, faces are easier to remember than names
- An appropriate time of day to reach out
- Have a goal for reaching out, whether it is to find out more about a company's program or to inform the contact that you have applied for one of their roles.



COMPANY INFORMATION





A leading global provider of professional project and asset services in the energy, chemicals and resources sectors. Worley delivers projects, provides expertise in engineering, procurement and construction and offers a wide range of consulting and advisory services.

We cover the full lifecycle, from creating new assets to sustaining and enhancing operating assets, in the hydrocarbons, mining, mineral, metals, chemicals, power and infrastructure sectors.

Our resources and energy are focused on responding to and meeting the needs of our customers over the long term and thereby creating value for our shareholders.

Size:

60,000

Specialisation:

Consulting, Water, Transport

Website:

www.worley.com

Accepting International Students?

Yes, if Graduates have suitable work rights

Student Opportunities:

Advisian offers both Undergraduate and Graduate opportunities

2019 Intern/Graduate Intake:

60 Graduates Nationally

2020 Intern/Graduate Application Dates:

Graduates: Mid March - 30 April 2020
Vacation Program: Opens in July





ANSTO is one of Australia's largest public research organisations and custodian of much of our country's important science infrastructure.

More than 1000 scientists, engineers and experts work at ANSTO to answer the significant environmental, medical and industrial questions using nuclear techniques. ANSTO's international collaborations, including partnerships with the European Organization for Nuclear Research (CERN) and the Shanghai Institute for Applied Physics, ensure Australian scientists are connected to a global network of experts and research projects.

ANSTO has both graduate and undergraduate employment opportunities which are accessible from the website.

Size:
1000+

Specialisation:
Research

Website:
www.ansto.gov.au

Accepting International Students?
No

Student Opportunities:

ANSTO offers both Undergraduate and Graduate Opportunities



ARUP

Arup is an independent firm of designers, planners, engineers, consultants and technical specialists offering a broad range of professional services. Arup brings together broad-minded individuals from a wide range of disciplines and encourages them to look beyond the constraints of their own specialisations.

Arup offers both graduate and internship opportunities, with applications through the online recruitment portal opening in February and June respectively.

Size:

14,000+

Specialisation:

Advisory Services, Buildings Engineering, Digital, Infrastructure, Planning, Technical Consulting

Website:

www.arup.com/offices/australia

Accepting International Students?

No

Student Opportunities:

Arup offers both Undergraduate and Graduate Opportunities

2019 Intern/Graduate Intake:

140 in Australasia

2020 Intern/Graduate Application Dates:

Graduates: Opens February

Intern: Opens June

“

I chose Arup because of the amazing projects, technical niche, and the vast engineering knowledge and capabilities within Arupians. One of my main motivational drivers is having the opportunity to work on ground-breaking projects and ability immerse myself in a large network of specialists to push the boundaries of my career and experiences. After being with Arup for a year, one thing I really enjoy is the amount of knowledge and networking across various sectors through project co-ordination on multi-disciplinary projects. The added bonus is that most projects don't go unnoticed once complete!”

-Anthony Kittikhoun
Façade Access Consultant
(UNSW Alumni)

”



Aurecon provides global engineering, management and specialist technical services to government and private sector clients. With an office network extending across 27 countries, Aurecon has been involved in projects in over 80 countries worldwide.

Aurecon offers both internship and graduate opportunities through the Aurecon online recruitment portal. Internship programme applications open 25th February and close 28th July. Graduate programme applications open 25th February and close 14th April.

Size:
8,000

Specialisation:
Consulting, Water, Transport, Structural, Geotechnical, Environmental, Mechanical Engineering, Electrical Engineering

Website:
www.aurecongroup.com

Accepting International Students?
Yes

Student Opportunities:
Aurecon offers both Undergraduate and Graduate Opportunities

2019 Intern/Graduate Intake:
160 Nationally

2020 Intern/Graduate Application Dates:
Graduates: 24 February - 5 April
Interns: 24 February - 9 August

“

It was exciting and honestly a little scary how quickly I got put onto a real project. However, I was surprised and grateful that people at all levels of seniority were extremely approachable and took the time to make sure I understood what was going on, both with technical tasks and the bigger picture of how projects coordinate and ultimately get delivered.

”

-Alex Chi,
Undergraduate Mechanical Engineer



Bouygues Construction Australia Pty Ltd (BYCA) is a construction and civil engineering company dedicated to providing world-class services. Bouygues has grown to become one of the world's most influential industrial groups active in over 60 countries including a strong presence in Europe and in the Asia-Pacific region.

Bouygues Construction offers both graduate and internship opportunities, and applications are made through the Bouygues Construction careers portal.

Size:

50,000

Specialisation:

Civil Works, Building, Energy & Services

Website:

www.bouygues-construction.com/en

Accepting International Students?

No

Student Opportunities:

Bouygues offers both Undergraduate and Graduate Opportunities

2019 Intern/Graduate Intake:

30-40 in both Melbourne & Sydney

2020 Intern/Graduate

Application Dates:

February-April 2020 for a February 2021 start





Cardno is a global infrastructure, environmental and social development company operating in more than 100 countries and powered by a talented 4,000-strong workforce. Our diverse team of technical experts and professionals builds on a 75-year track record of experience in designing, developing and delivering sustainable projects and community advancement programs.

We deliver infrastructure, environment and social solutions to our clients across a broad range of sectors: Buildings, Land, Coastal and Ocean, Environment, Emerging Markets, Water and Transport.

Cardno offers both undergraduate and graduate opportunities, including the Asia Pacific Graduate Development Program.

Size:
4,000

Specialisation:
Consulting, Water, Geotechnical, Transport, Structures, Environmental

Website:
www.cardno.com

Accepting International Students?
Yes, if students have valid work rights for permanent employment in Australia/New Zealand

Student Opportunities:
Cardno offers both Undergraduate and Graduate Opportunities

2019 Intern/Graduate Intake:
79 Students across APAC Region

2020 Intern/Graduate Application Dates:
Opens March 2020



“

Since joining Cardno as a graduate, I have been provided opportunities to work on a range of different projects with different clients, objectives and outcomes. This range has allowed me to expand my knowledge across a broad range of disciplines, encouraging me to approach projects from a holistic view while simultaneously providing me with the knowledge and tools to progress my career into the future.

”

-Kirsten,
Graduate Civil Engineer



CIMIC Group is a global company with over 50,000 employees. We are an engineering-led construction, mining, services and private partnerships leader working across the lifecycle of assets, infrastructure and resources projects.

CIMIC Group includes our construction businesses CPB Contractors, Leighton Asia and Broad, our mining and mineral processing companies Thiess and Sedgman, our services specialist UGL and our public private partnerships arm Pacific Partnerships – all supported by our in-house engineering consultancy EIC Activities.

“

I have been exposed to learning opportunities, support networks and interactions with senior management which have been invaluable development opportunities that will assist me for the rest of my career

”

-James Mallett

Size:

50,000+

Specialisation:

Construction, Infrastructure, Transport, Geo-technical, Tunnelling, Environmental, Surveying, Resources

Website:

www.cimic.com.au

Accepting International Students?

No

Student Opportunities:

CIMIC offers both Undergraduate and Graduate Opportunities

2019 Intern/Graduate Intake:

220 Graduates (Across Australia, New Zealand, Indonesia, Chile and Canada)

2020 Intern/Graduate Application Dates:

2 March 2020 - 15 April 2020

“

The highlight of the graduate program for me was experiencing diverse workplace including the opportunity to work with three different teams, in three different areas, on three different projects

”

-Brittany Bell





CMS Surveyors, established in 2001 in Sydney, is a multi-disciplinary surveying practice focused on land development. They undertake a wide breadth of projects within NSW, ranging from small residential surveys to multi-million dollar commercial projects.

Applications are submitted to hr@cmssurveyors.com.au. Alternatively, vacant positions are posted on their website.

Size:
70

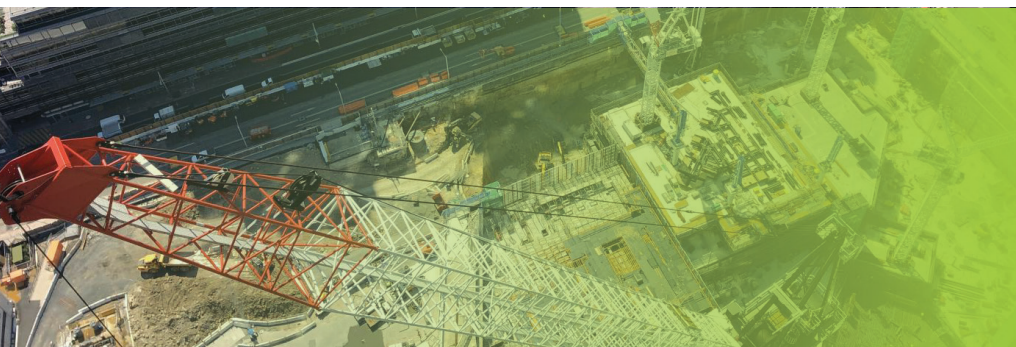
Specialisation:
Construction, Land Surveying, BIM/Scanning

Website:
www.cmssurveyors.com.au

Accepting International Students?
CMS gives precedence to employing Australian Citizens and Permanent Residents or those with the appropriate work visa

Student Opportunities:
CMS does not offer an undergraduate program.

Interested Graduates are able to apply throughout the year and are employed as determined by the needs and goals of the business.





E3 Advisory is a select group of professionals with strong technical skills, commercial acumen and 'first-hand' knowledge of project development and delivery.

We bring a deep understanding of contracts accompanied by appreciation of broader business and government context.

The deep expertise of the E3 Advisory team provides our clients with confidence that solutions to their problems will be effective and contribute to successful project outcomes. Our broad experience extends across the asset lifecycle ensuring our advice comes with a genuine understanding of the challenges faced by the owners, operators and developers of complex infrastructure projects.

“ What do you want to do once you graduate from university or where do you see yourself in the next 5 years? ”

-Avishek Kumar

Size:
70-80

Specialisation:

Transport (Road, Rail, Ports, Airports), Energy, Renewables, Water and Wastewater, Mining and Resources, Hydrocarbons, Buildings and Construction

Website:
www.e3advisory.com

Accepting International Students?
Yes

Student Opportunities:

E3 Advisory offers both Undergraduate and Graduate opportunities

2019 Intern/Graduate Intake:

Graduates - 1
Interns - 1

2020 Intern/Graduate Application Dates:

Graduates (2021): Opening end of March
Interns: Now - End of March

“ With a desire to be a versatile and well-rounded individual, I am glad to say E3 Advisory has given me the confidence answer these questions, especially by providing a challenging work environment and the opportunity to hold significant responsibilities on a variety of infrastructure projects alongside highly experienced professionals. ”

-Avishek Kumar,
Undergraduate



GHD is one of the world's leading professional services companies operating in the global markets of water, energy and resources, environment, property and buildings and transportation. GHD provides engineering, architecture, environmental and construction services to private and public sector clients.

GHD offers both undergraduate and graduate opportunities, including the GHD Graduate Development Program.

Size:

11,000

Specialisation:

Consulting, Water, Transport, Geotechnical, Environment, Digital & Advisory, Energy & Resources, Property and Buildings

Website:

www.ghd.com

Accepting International Students?

No

Student Opportunities:

GHD offers both Graduate and Intern Opportunities

2019 Intern/Graduate Intake:

46 Graduates, 19 Interns

2020 Intern/Graduate Application Dates:

24.02.2020 - 28.03.2020

“

I had a fantabulous time and am grateful to have learned so much from the incredible team at GHD! Working together on exciting projects enabled me to directly interact with clients and key stakeholders. I also gained valuable insight to the interplay between transport planning and traffic engineering.

”

- Junyi Joanne Deng,
Intern

Jacobs

At Jacobs, we're challenging today to reinvent tomorrow by solving the world's most critical problems for thriving cities, resilient environments, mission-critical outcomes, operational advancement, scientific discovery and cutting-edge manufacturing, turning abstract ideas into realities that transform the world for good.

With \$13 billion in revenue and a global talent force of approximately 52,000, Jacobs provides a full spectrum of professional services including consulting, technical, scientific and project delivery for the government and private sector. Jacobs offers both Undergraduate and Graduate Development Programs.

Size:
52,000

Specialisation:
Water, Transportation, Power, Buildings, Defence, Environment

Website:
www.jacobs.com

Accepting International Students?
No

Student Opportunities:
Jacobs offer both Undergraduate and Graduate opportunities

2019 Intern/Graduate Intake:
Graduates: 106
Interns: 86

2020 Intern/Graduate Application Dates:
Graduates: Late Feb - Mid March
Interns: Late July - Mid August

“

One thing I wasn't aware of when I started at Jacobs but am pleased to have discovered is how active the extracurricular scene is. The Jacobs Careers Networking regularly organises events, from social gatherings to professional development sessions, and I enjoy meeting people who I don't usually work with at these events

”

-Richard Hao,
Undergraduate Transport
Structures/Bridge Engineer


LAING O'ROURKE

Laing O'Rourke is a \$6 billion international operation with 50 years of involvement in Australian construction and infrastructure including more than a decade under the Laing O'Rourke banner.

The business is currently delivering some of Australia's most exciting projects across the transport, building construction, defence, airports, and mining, civil and social infrastructure sectors.

Laing O'Rourke - which has been recognised three times on the AFR's Most Innovative Australian Companies index - is committed to becoming the recognised leader for innovation and excellence in the construction industry. Laing O'Rourke has a full integrated offering where they deliver single source solutions for some of the world's most prestigious organisations.

Size:

15,300

Specialisation:

Construction, Defence, Transport, Infrastructure, Buildings, Roads, Rail

Website:www.laingorourke.com**Accepting International Students?**

No

Student Opportunities:

Laing O'Rourke offers both Graduate and Intern Opportunities

2019 Intern/Graduate Intake:

20-30 Graduates, 30-40 Interns

2020 Intern/Graduate Application Dates:

Opens April-May 2020

“

Over 2 years as an undergraduate at Laing O'Rourke, I've had the opportunity to work on project-specific and business-wide solutions across multiple functions, ranging from environmental management to design modelling. Despite not having the tertiary qualifications for the environmental team, the business provided the support and knowledge to shape me into a well-articulated engineer entering the workforce. To anyone driven by the tangibility of engineering construction, I would highly recommend Laing O'Rourke to help realise your true potential.

”

-Smeet Shah,
Graduate

MACQUARIE GEOTECH

Macquarie Geotechnical is the largest Geotechnical Company located west of Sydney who regularly work on projects throughout Western NSW, The Blue Mountains and Sydney.

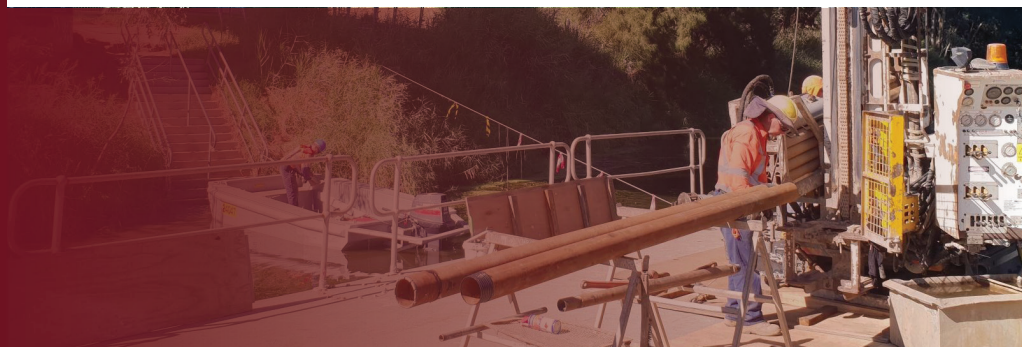
Founded in 2002, Macquarie Geotechnical offer a wide range of geotechnical testing services including testing of soils, aggregates, rock, concrete, shotcrete and coal. They also undertake a wide range of chemical testing on soils and water.

Testing is undertaken in accordance with Australian Standards, NSW RMS Testing specifications as well as international standards where required.

Size:
200

Specialisation:
Specialised Earthworks, Rock, Concrete Testing

Website:
www.macgeo.com.au



Melbourne Water is owned by the Victorian Government and is involved with the management of water supply catchments, treatment of drinking and recycled water, removal of most of Melbourne's sewage, and management of waterways and major drainage systems.

Melbourne Water builds strong relationships with customers, stakeholders and suppliers in the community, government and industry with a focus on health and wellbeing.

Graduate opportunities will be available in the middle of 2020 and the program involves three rotations over a two-year period. Further details can be found on the careers portal on the website.

Size:
1,000+

Specialisation:
Consulting, Water, Construction, Structural, Environmental

Website:
www.melbournewater.com.au

Student Opportunities:
Melbourne Water offers Graduate Opportunities only



MULTIPLEX

Multiplex has been delivering landmark property and infrastructure assets for more than 55 years. They are a leading international contractor with a focus on sustainable long-term growth and innovation. They are at their best in creating large-scale and complex landmark buildings, commercial structures and infrastructure projects. Forward-thinking and focused, they build sustainable futures and enrich communities.

Multiplex offers cadetship and graduate opportunities; applications close 27th March.

Size:
1,500

Specialisation:
Contracting, Construction

Website:
www.multiplexglobal.com

Accepting International Students?
Yes, with PR or fully unrestricted work rights

Student Opportunities:
Multiplex offers both Undergraduate and Graduate opportunities

2019 Intern/Graduate Intake:
200 Nationally

2020 Intern/Graduate Application Dates:
Cadetship and Graduate Program applications are open until 27th March

“

Multiplex has provided me with great opportunities and an amazing culture as a graduate. From learning from subcontractors on site to feeding off the knowledge of senior managers in the business, I have always felt well supported and am constantly learning more about the construction industry.

”

-Annika Sisavat



PSM provides design, investigation and construction services in all aspects of geotechnical, surface water and groundwater engineering. Major projects include tunnel design for Sydney Metro and Brisbane Cross-River Rail, mine geotechnical design for Ok Tedi and Lihir and civil infrastructure design for Western Sydney Airport and Transmission Gully in NZ.

The company was established in 1993 and brings together 160 technical specialists in engineering geology, mining, rock mechanics, soil mechanics, hydrology and hydrogeology. PSM has offices in Sydney, Perth and Brisbane as well as secondment positions in design offices and mine sites across Australia and overseas.

PSM does not have a dedicated training programs. However, graduates and industrial training students are rapidly integrated into normal operations including proposal preparation, site inspections, numerical and data analysis and reporting.

Size:
180

Specialisation:
Consulting, Water, Structural, Design, Tendering, Construction

Website:
www.psm.com.au

Accepting International Students?
No

Student Opportunities:
PSM offers informal Graduate and Intern Opportunities

2019 Intern/Graduate Intake:
18 UNSW Students





Member of the Surbana Jurong Group

SMEC is a professional services firm recognised around the world for providing high-quality consultancy services on major infrastructure projects. With a rich Australian history, SMEC is now also partnered with the Singaporean Surbana Jurong Group, providing a talent pool of over 16,000 people working across a network of more than 120 offices across Australia, Asia, Africa, the UK, Middle East and the Americas.

SMEC provides full project life cycle engineering services across Infrastructure, Urban Development, Management Services and Energy sectors. SMEC offers both an ANZ Undergraduate Summer Program and an ANZ Graduate Development Program.

Size:

16,000 in 120 offices across 40+ countries

Specialisation:

Water, Hydropower & Dams, Environment and Waste, Geotech, Tunnels, Roads & Highways, Transport Planning, Logistics & Analytics, Asset Management, Urban Design & Engineering Construction Services (Independent Verification)

Website:

www.smec.com

Accepting International Students?

Yes, however, sponsorships are not offered for graduate roles

2019 Intern/Graduate Intake:

80

2020 Intern/Graduate Application Dates:

Graduates - 9th March

Interns - 7th September

“

SMEC has an award winning Graduate Development Program that provides online modules, regular seminars, workshops rotation and mentoring opportunities, which I found really beneficial as young graduate planning my future career development. If you want to learn more about SMEC's industry leading graduate program then reach out to our diverse and energetic teams who will support you to succeed.

”

- Sheena Chai,
Graduate



Taylor Thomson Whitting is a wholly owned Australian company, providing consultancy engineering services to Australia and Asia since 1958. TTW's six offices provide clients with a wide range of specialised services in Structural, Civil, Facade and Traffic Engineering.

They have helped produce some notable Sydney buildings including the NSW Art Gallery and The State Library.

TTW offers internship opportunities. Applications are submitted to careers@ttw.com.au. Internship applications open 1st March and close 31st May.

Size:

200+

Specialisation:

Consulting, Structural, Transport

Website:

www.ttw.com.au

Accepting International Students?

No, unless they have full-time working rights

Student Opportunities:

TTW offers both Undergraduate and Graduate Opportunities

2019 Intern/Graduate Intake:

4 Interns in NSW

**2020 Intern/Graduate
Application Dates:**

1st March - 31st May



TURNBULL ENGINEERING

Turnbull Engineering is a select team of highly motivated civil engineering professionals. They specialise in the design of transport infrastructure, land development and renewable energy projects – from feasibility and concept through to detailed design and construction support.

Interested students should email their CV, Academic Transcript and Cover Letter to join.the.team@turnbullengineering.com.au

Size:

200

Specialisation:

Project Management, Transport, Structures, Water

Website:

www.turnbullengineering.com.au

Accepting International Students?

No

Student Opportunities:

Turnbull offers both Undergraduate and Graduate opportunities

2019 Intern/Graduate Intake:

14 Graduates in NSW

2020 Intern/Graduate
Application Dates:

Graduate and Intern applications are open until April

Prospective intake of 50 in 2020

“

Working at Turnbull Engineering has been an amazing experience learning what it takes to be a transport engineer. The company has a unique culture promoting fast paced on the job training in a really enjoyable working environment. Everyone's looking to help you out and make you the best engineer you can be, making the teams development astounding.

-Brian Au,
UNSW and CEVSOC Alumni

”



WSP is one of the world's leading engineering professional services consulting firms. We bring together approximately 50,000 talented people globally.

We are technical experts who design comprehensive and sustainable solutions and engineer projects that will help societies grow for lifetimes to come.

Size:

50,000

Specialisation:

Property & Buildings, Transportation & Infrastructure, Resources (including Mining and Industry), Water, Power and Environmental Solutions

Website:

www.wsp.com

Accepting International Students?

No

Student Opportunities:

WSP offers both Undergraduate and Graduate Opportunities

2019 Intern/Graduate Intake:

117 Graduates Nationally, 42 in NSW
63 Casual Interns

2020 Intern/Graduate Application Dates:

Mid February - End of March



WSP has been an incredible place to do industrial training at. I find that the companies work culture is extraordinarily inclusive with their own young professionals, LGBTQI+ and other groups. They have provided me with opportunities to learn practical work skills, that aren't taught at university and provided a key insight into the challenges and tasks faced in day to day work. Being a large global company WSP also has a very large range of teams to try or gain and understanding of how these integrate together.



-Phoebe Hill,
Intern

CV TIPS

Structure

Use a template, clear headers for each section and bullet points to communicate information

As a guide, use the following headings:

- Heading
- Career profile
- Education
- Relevant Projects
- Experience
- Extracurricular activities
- Technical skills
- Referees

General Appearance and Formatting

- No need for a photo - let the words do the talking
- Word/PDF format - keep file size low
- Keep font and font size consistent with your cover letter
- Keep the email address you use professional, make one if you do not have one
- Name/contact details and page number in footer
- Proofread multiple times and have others critique your CV

Contents:

- Write your CV specifically to the job you're applying for - use phrases from the role requirements/advert. Be specific with the similarities your skills have in line with what the company wants
- Demonstrate your unique skills and experience by including work experience, volunteering and any co curricular activities, ensuring that you provide a brief description of your role, noting relevant skills and accomplishments to demonstrate teamwork, leadership, etc.
- Include hobbies - it gives you character and makes you more memorable
- Include referees- make sure they are relevant and ready to provide a positive impression
- The average recruiter spends approximately 30 seconds for each CV, this is especially prevalent for graduate positions due to the sheer volume they receive. Make yours stand out
- Limit to 2 pages (as a grad, this may increase as your career develops)

COVER LETTER TIPS

A cover letter introduces your CV and provides additional information on your skills and experience

A cover letter is often the first part of an application an employer will read, here are some key ideas to keep in mind while preparing a cover letter:

- Write a new cover letter tailored to the job for each application
- Research and understand the company and position you're applying for - everything from company values to recent projects
- Personal and specific anecdotes will make you relevant and engaging while demonstrating your abilities in various situations
- Demonstrate to the company why you are of value to them by sharing your skills and experience

Formatting

- Limit to 1 page
- Word/PDF format
- Use easy to read font and font size
- Check spelling and grammar - ask someone to proofread your cover letter.

Tailor your cover letter and CV for each application to help stand out in the crowd.

Check out the Industrial Training moodle page and UNSW Careers and Employment for more tips and information on cover letters and CVs.

USEFUL INFO

UNSW Careers And Employment

UNSW Careers and Employment provides one on one career advice appointments with careers consultant for:

- Resume, cover letter and online application assistance
- Interview preparation
- Career planning
- Job advice

Careers and Employment can also assist with:

- Job opportunities- Find hundreds of casual, part time, full time, internship, graduate and volunteer opportunities.
- Job application resources - Login to Careers Online for job application resources, career planning advice and International student career resources.
- Creating Your Career- Develop a better understanding of recruitment practices, expectations of professionals and future opportunities
- Career development programs - Build skills and experiences that make you more employable

To book your consultation, log on to the UNSW Careers Portal with your zPass and follow the links on the 'Appointments' tab.

Website: <https://student.unsw.edu.au/careers>

UNSW Learning Centre

The Learning & Career Hub offers academic and career development skills support to all students enrolled at UNSW by providing:

- Individual consultations- individual help with academic writing
- Academic skills workshops- essays writing, oral presentations, assignments, reports and research papers, exam tips, time management and more
- Conversation cafe groups - an opportunity to practice 'everyday' English speaking and build social networks
- Online academic resources- academic writing, exam tips, time management, referencing and plagiarism, oral presentation, note taking and more

Location: Lower ground floor, Chancellery Building, directly behind Student Central.

Contact: learningcentre@unsw.edu.au.

Website: <http://www.lc.unsw.edu.au/>

Engineers Australia Student Membership

Engineers Australia is a professional not-for-profit organisation dedicated to the field of engineering. Its Student Membership offers exclusive opportunities to networking events, information sessions, competitions, educational workshops and more. It is completely free and is available to undergraduate students studying engineering.

Benefits:

- Career centre
- Resume writing tips
- Interview techniques
- Events and networking
- Access to networking events
- Develop your engineering skills



Resources:

- Assistance with tertiary studies and research with its collection of online learning tools.
- Access world-class technical databases including journals and handbooks.

Opportunities:

- Volunteer groups across different career stages, interests, disciplines and locations.

Website: <http://frontier.engineersaustralia.org.au/student-membership/>

Taste of Research Scholarships

The Taste of Research program was set-up by UNSW Engineering to allow undergraduate students to work with a research group to understand what real research is about at university and in industry.

Project Details:

45 days project with an existing research team
Receive \$5,000 in total period of 45 days projects (tax exempt)
Contribute towards industrial training (up to 6 weeks)

Website: <https://www.engineering.unsw.edu.au/study-with-us/future-students/scholarships/taste-of-research-scholarships>

INDUSTRIAL TRAINING

As a student of the School of Civil and Environmental Engineering, you are required to complete a minimum of **60 days** of industrial training in order to graduate. This compulsory requirement ensures that UNSW students are equipped with the required skill to prepare them for the workplace after graduating.

Industrial training can be a combination of both a traditional a paid internship and non-traditional an unpaid or volunteering position, both of which require pre-approval for the days completed in your placement to count towards the 60-day requirement.

1. Enrol in the Industrial Training Moodle course
2. Complete the 5 prerequisite models
3. Create/update your resume and cover letter according to the tips on the Moodle course
 - Get your resume and cover letter checked by family/friends or UNSW Careers and Employment
4. Enrol on your School group on Moodle
5. Apply for internships, cadetships and undergraduate roles
6. Once a job offer is secured, apply for pre-approval on Moodle
7. Provide the supporting documentation from your employer and supervisor
8. Commence your industrial training with approval
9. Begin your Employer Evaluation form
10. Complete 60 days of Industrial Training
11. Finalise your Employer Evaluation form
12. Write and submit an Industrial Training Report to Moodle

If you are struggling to find companies to apply to, ensure that you read CEV-SOC's weekly newsletter CEVNews as it contains up to date information on application dates.

For more information visit:

<https://www.engineering.unsw.edu.au/study-with-us/engineering-students-industrial-training>



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