

Australian
Graduate
School of
Engineering



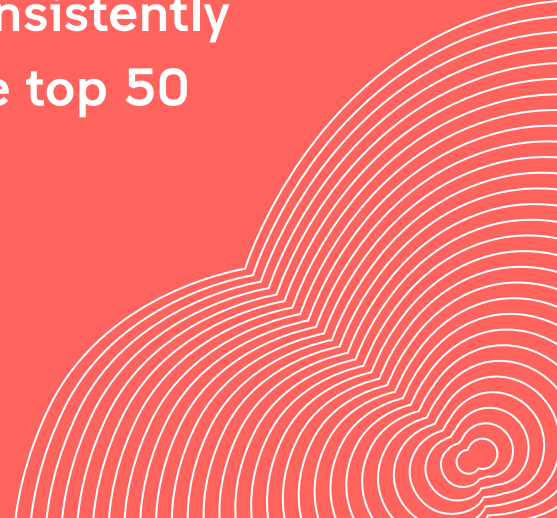
UNSW
SYDNEY

AGSE
Industry
PhD

Doctor of Philosophy
Master of
Industrial Research



The Australian Graduate School of Engineering (AGSE) was established by the UNSW Faculty of Engineering to redefine the future of postgraduate education. It builds upon the faculty's strong reputation and track record for excellence: UNSW Engineering is consistently ranked #1 in Australia and among the top 50 engineering faculties in the world.



AGSE Research Programs

AGSE is pioneering a new mode of experiential learning to bridge the gap between research and industry. Our Industry PhD and Master of Industrial Research programs are designed for mission-driven learners—whether a recent graduate or an experienced professional—fast-tracking their path from research to real-world impact. Students collaborate with industry and academic experts to develop their theoretical inquiry and ability to turn original ideas into action.

As an industry partner, you'll contribute to cutting-edge research in your field to tackle society's biggest issues. Projects will feature collaboration with a dedicated researcher - whether a current employee or fresh talent - alongside a UNSW academic supervisor with world-class technical expertise. You'll play a leading role in shaping the research to solve real challenges for your organisation while developing Australia's sharpest minds.

Industry PhD Program

Completed in a minimum of 3 years full-time equivalent, students undertake:

- a research thesis enrolled in one of our eight Engineering Schools under the guidance of a UNSW academic supervisor
- a minimum of 60-days of engagement with your organisation, such as accessing facilities and engaging with in-house experts
- a tailored professional development program



AGSE students and industry partners at mentoring event

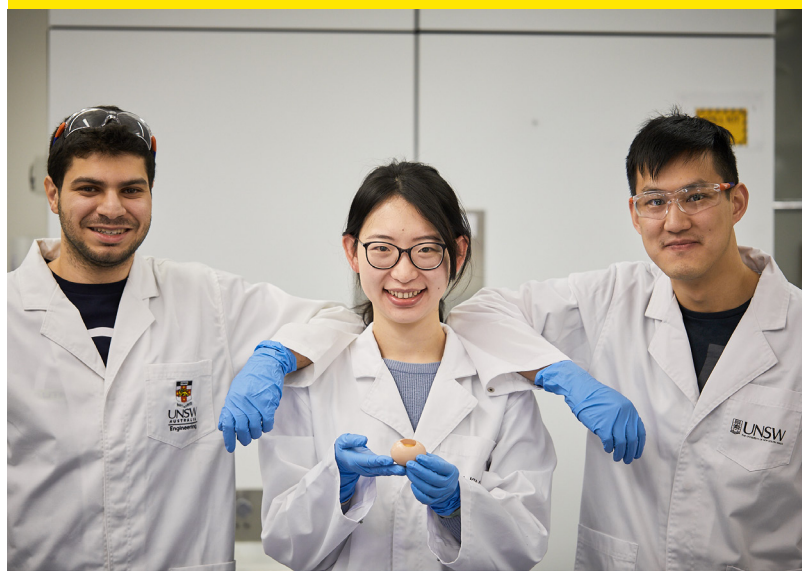
Master of Industrial Research

Completed in a minimum of 18 months full-time equivalent, students are embedded in your organisation and undertake:

- coursework to advance their disciplinary knowledge
- a research thesis enrolled in one of our eight Engineering Schools under the guidance of a UNSW academic supervisor and an industry supervisor
- a tailored professional development program

"These PhD students are highly skilled people, so we gain access to their academic expertise. They really help us to innovate... We're proud to invest in them."

Dr Lidija Kotula,
industry supervisor,
Sanitarium Health Foods





"Working with my industry partner has revealed the deep complexities of transforming lab discoveries into commercially viable solutions. This Industry PhD not only keeps my research industry-relevant but also fosters a deeper appreciation for the commercialisation process, ultimately bridging the critical gap between innovation and translation."

Nathan Trinh,
Industry PhD candidate in
Biomedical Engineering

AGSE students on site visit to State Asphalts NSW

Program benefits

For industry

- Collaborate with a dedicated research student and UNSW supervisor of your choice who can expand your R&D capability to solve an intractable challenge through a co-designed project
- Access to UNSW's world-class technical expertise, research facilities and research infrastructure
- Access to intellectual property developed during the project
- Upskill and retain talented current or potential future employees
- Grow your professional networks through attending program events alongside other industry partners, academics and research students
- Experience professional and personal growth from undertaking the role of industry supervisor, as well as involvement in student mentoring and serving on the program's Industry Advisory Board
- Add technical credibility to your work through presentations at conferences and publications in peer-reviewed journals.

For students

- An opportunity to work on an industry challenge with near-term impact
- Experience working across both academic and industry environments
- Join a community of like-minded professionals and expand networks through site visits, mentoring and networking events.
- Expand employability skills in collaboration, relationship management, business management, innovation, commercialisation, entrepreneurship, and career planning
- Develop leadership skills, such as serving on the program's student advisory board
- Professional development grant, top-up scholarship and Engineers Australia membership opportunities.



Professor Megan Lord, Academic Director of the AGSE Industry PhD Program, was recognised nationally for the program with an Australian Council of Graduate Research Award for Excellence in Graduate Research Leadership in 2024.

“The more we can encourage researchers and industry to collaborate in taking an idea from conception to the marketplace, the more we will realise products and services that will ensure society’s continued prosperity.”

Professor Megan Lord

How to get involved

01 Identify
Identify the challenge for your organisation that requires a collaborative research project with UNSW.

02 Contact
Contact UNSW to discuss your needs, either directly with a UNSW academic in your network or via the AGSE Industry PhD program office.

03 Partnership
In partnership with the collaborating UNSW academic, set up the project, recruit the research student and the research begins!

Students enter our programs at different life and career stages. We recognise that everyone’s situation is unique, so we created three **flexible models of engagement**:

Industry Engaged



Students receive a university scholarship to work on a project with engagement from an external organisation

Industry Sponsored



Students receive an industry sponsored scholarship (minimum rates apply) to work on a co-designed project

Industry Employed



Student undertakes a project integrated with employment with an external organisation

Industry contributions

Cash

Optional:

- top-up scholarship
- paid internship (minimum rates apply)
- research support (e.g. consumables)

Optional:

- research support (e.g. consumables)

Employee's salary

In-kind

Optional:

- supervision
- research support (e.g. consumables, infrastructure and expertise access)

How AGSE can support you

Undertaking a research degree can be both challenging and rewarding, and the role of the industry partner is crucial to the project's success. Whether you have an advanced degree or are new to the world of postgraduate research, we provide you with the support to succeed in this unique partnership:

- Connection with leading academic scholars in your field
- Training and resources to support your development as an industry supervisor
- Networking with other industry partners, PhD candidates, and academics in the program
- Dedicated office to discuss your needs.

Contact us

We are always happy to answer questions.
Contact us at



AGSEindustryPhD@unsw.edu.au



unsw.edu.au/engineering/our-schools/agse/industry-phd



au.linkedin.com/showcase/unswagse/

"The program allows students to solve complex problems that the company does not have the time or resources to solve themselves. It's not just beneficial for the student, it's beneficial for the industry partner as well."

Dr Michael Stevens,
UNSW academic

Shefali is
the future of
Australian
engineering.

You can join her.

