



ENGINEERS
AUSTRALIA

Engineers Australia

*“Engineers Australia is the trusted voice of the profession.
We are the global home for engineering professionals
renowned as leaders in shaping a sustainable world.”*

Engineers Australia is the peak body of the engineering profession. We are a professional association with about 100,000 individual members. Established in 1919, Engineers Australia is a not-for-profit organisation, constituted by Royal Charter to advance the science and practice of engineering for the benefit of the community.

Advocacy

Engineers create solutions for our sustainable future. A robust pipeline of engineers to help lead innovation, policy, planning and delivery is in the national interest. Engineers Australia advocates for the importance of engineers and engineering matters to government, and builds recognition for the profession. With the support of members, we do this through a focus on the following nationally significant issues:

- › Energy and the transition to a low carbon future
- › Infrastructure and the value of long term integrated planning
- › Technology and industry in a changing global economy

Our brands

Engineers Australia manages a suite of well-known brands:



National
Engineering
Register



AUSTRALIAN
ENGINEERING
EXCELLENCE
AWARDS



The Young Engineers Guide to Getting Ahead



ENGINEERING
EDUCATION
AUSTRALIA



ENGINEERING IDEAS INTO REALITY



INSURANCE + RISK SERVICES



ENGINEERS
AUSTRALIA
CHARTERED

What is engineering?

Engineering is about the creation or application of technology to produce goods and services for the community. It involves finding solutions to human and environmental problems while making things for people to use. Engineers are involved in the research, design, production, operation and maintenance of many things that we take for granted in our everyday lives.

Engineers by numbers

Engineers in the Australian labour force:¹

329,957

Engineers are qualified professionals who work in the following industries:⁴

Professional, Scientific and Technical Services⁵
46,478 | 15.0%

Manufacturing
38,803 | 12.5%

Construction
28,851 | 9.3%

Public Administration and Safety
22,894 | 7.4%

Transport, Postal and Warehousing
20,743 | 6.7%

Computer Systems Design⁵
16,358 | 5.3%

Mining
15,702 | 5.1%

Inadequately described or not stated
14,462 | 4.7%

Retail Trade
13,268 | 4.3%

Education and Training
13,254 | 4.3%

Electricity, Gas, Water and Waste Services
12,512 | 4.0%

Wholesale Trade
12,223 | 3.9%

Information Media and Telecommunications
11,295 | 3.6%

Accommodation and Food Services
8,340 | 2.7%

Financial and Insurance Services
8,035 | 2.6%

Health Care and Social Assistance
7,031 | 2.3%

Administrative and Support Services
6,456 | 2.1%

Other Services
6,231 | 2.0%

Rental, Hiring and Real Estate Services
3,259 | 1.0%

Agriculture, Forestry and Fishing
2,620 | 0.8%

Arts and Recreation Services
2,036 | 0.7%

⁴ Unemployed engineers are not included.

⁵ The Computer Systems Design sub industry is separated from Professional Services and presented individually.

More than half work in engineering roles



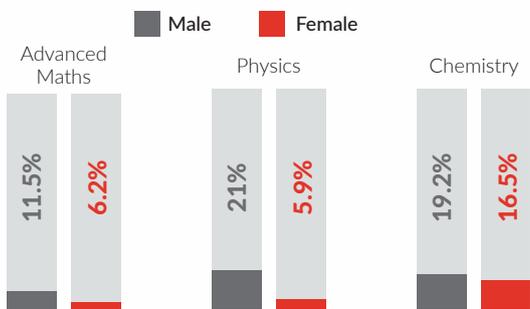
It is a multicultural profession



A growing percentage of engineers are women



Alarming few students take the foundation studies at school (2015)²



Entry-level graduate numbers (2016)³



¹ ABS, Census, 2016.

² Engineers Australia, *Engineers Make Things Happen*, 2017.

³ Engineers Australia analysis of Department of Education and Training data, 2016.

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