



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.”*

With more than 100,000 individual members, Engineers Australia is the profession’s peak body. We are the voice of the profession, and exist to advance the science and practice of engineering for the benefit of the community. Our high standards, globally recognised credentials and international agreements enable Engineers Australia members to live and work around the world, with our members currently in more than 120 countries.

Founded in 1919 as the Institution of Engineers Australia, our work has underpinned the progress of our nation for more than a century. Engineering plays a pivotal role in society and will continue to shape the future of Australia, creating healthy, just, prosperous, secure and sustainable communities.

## 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
- › Registration of Engineers to ensure high professional standards that meet community expectations

## Our offers

Engineers Australia manages a suite of products, services and offers:



## 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:<sup>1</sup>

# 329,957

More than half work in engineering roles



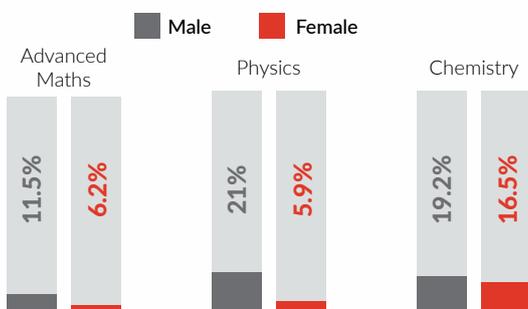
It is a multicultural profession



A growing percentage of engineers are women



Alarming few students take the foundation studies at school (2015)<sup>2</sup>



Entry-level graduate numbers (2016)<sup>3</sup>



Engineers are qualified professionals who work in the following industries:<sup>4</sup>

Professional, Scientific and Technical Services<sup>5</sup>  
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 Design<sup>5</sup>  
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%

<sup>4</sup> Unemployed engineers are not included.

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

Contact Engineers Australia:

1300 653 113  
memberservices@engineersaustralia.org.au

[engineersaustralia.org.au](http://engineersaustralia.org.au)

<sup>1</sup> ABS, Census, 2016.

<sup>2</sup> Engineers Australia, *Engineers Make Things Happen*, 2017.

<sup>3</sup> Engineers Australia analysis of Department of Education and Training data, 2016.