

# Australia and Engineering

## 21% projected job growth over 10 years

Job growth across all highly skilled engineering professions

## Among the highest salaries

Engineering undergraduate salaries are among the highest in Australia at **\$71,500AUD\*** (national average \$68,000AUD).  
Postgraduate **\$100,000 AUD\*** (national average \$91,600AUD).

## Leading Innovation

Some of the newest jobs to emerge in Australia require Engineering: Quantum Hardware Engineer, Sustainability Engineer, Data Scientist, Nuclear Safety Engineer, Senior Advisor - Decarbonisation

## Impending shortage of Engineers

Shortages predicted in the areas of Civil Engineering, along with photovoltaic and renewable energy. Driven by significant government infrastructure commitments and investment in technology, heightened interest in minerals, and the transition to clean energy.

## Occupations highest in demand

IT professionals, Mining Engineers, Civil Engineering, Engineering Managers, Renewable Energy Engineers and Telecommunications Engineers\*\*

| Engineering related occupations requiring a tertiary qualification                         | Projected employment growth -10 years (2023 - 2033) |
|--|---|
| Construction Managers  | 16%   |
| Engineering Managers   | 18%   |
| ICT Managers   | 22%   |
| Design, Engineering, Science and Transport Professionals nfd                               | 20%   |
| Surveyors and Spatial Scientists   | 19%   |
| Engineering Professionals (Biomedical, Clean Energy, Renewable, Decarbonisation and other) | 21%   |
| Chemical and Materials Engineers   | 23%   |
| Civil Engineering Professionals  | 18%   |
| Electrical and electronics Engineers   | 22%   |
| Industrial, Mechanical, Manufacturers, Production Engineers                                | 23%   |
| Mining Engineers   | 23%   |
| Chemists, and Food and Wine Scientists   | 21%   |
| ICT Professionals  | 19%   |
| Software and Applications Programmers  | 22%   |
| Database and Systems Administrators, and ICT Security Specialists                          | 22%   |
| ICT Support and Test Engineers   | 23%   |
| Telecommunications Engineering Professionals   | 21%   |
| <b>Average Growth</b>  | <b>21%</b>  |

Occupation classification is defined by Jobs and Skills Australia. Percentages have been rounded up to the nearest whole number. Full data available <https://www.jobsandskills.gov.au/data/employment-projections>  
QILT 2022 Graduate Outcome Survey <https://www.qilt.edu.au/>. \*Salaries are based on domestic student responses.  
\*\*[https://www.professionalsaustralia.org.au/PA/Latest\\_News/Australia\\_faces\\_engineering\\_skills\\_crisis-by\\_2040.aspx](https://www.professionalsaustralia.org.au/PA/Latest_News/Australia_faces_engineering_skills_crisis-by_2040.aspx)