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Engineering

Emerging trends in Engineering



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Engineering Trends

12.9% projected job growth over 5 years

Job growth in highly skilled engineering professions is well above the national average of 9.1%.

Resiliency in the Australian economy

Skilled engineering professions are leaders in occupational resilience following the pandemic. This includes Civil, IT, Software, Mining, Chemical, and Management Engineers.

Among the highest salaries

Engineering undergraduate salaries are among the highest in Australia at **\$70,000AUD**

Driving the energy transition

Photovoltaic and Renewable Energy Engineers, Chemical Engineers, Mining Engineers, Electrical Engineers are the drivers of Australia's energy transition and integral in achieving Australia's emission targets

Impending shortage of Engineers

Shortages predicted in the areas of Civil Engineering, along with photovoltaic and renewable energy Engineering due to significant government infrastructure commitments.

Engineering Field Requiring Bachelor or higher	Projected employment growth - 2021-2026 (Percentage)
Construction Managers	10.2
Engineering Managers	11.7
Manufacturers	8.0
Surveyors and Spatial Scientists	14.6
Chemical and Materials Engineers	7.7
Civil Engineering Professionals	13.4
Electrical Engineers	9.5
Electronics Engineers	2.2
Industrial, Mechanical and Production Engineers	5.5
Mining Engineers	17.1
Other Engineering Professionals	8.4
Engineering Professionals	10.1
Design, Engineering, Science and Transport Professionals	12.2
Software and Applications Programmers	27
ICT Support and Test Engineers	43.7
Telecommunications Engineering Professionals	17.6
Average Growth	12.9

Meet the experts!



Professor Rita Henderson

Associate Dean, Equity and Diversity

Professor, Chemical Engineering



A/Prof Oliver Diessel

Associate Professor,
Computer Science and Engineering



A/Prof Kristen Splinter

Associate Professor,
Civil and Environmental Engineering



Professor Alistair Sproul

Head of School,
Photovoltaics and Renewable Energy Engineering