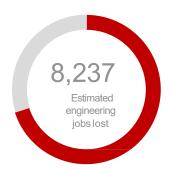




Massive engineeringworkforce reskilling task

Australian engineering jobs – changes forecast for 2028



Automated

27% of jobs will disappear

With over an estimated 14% of existing engineering jobs having 85% of human tasks replaced by technology some



Augmented

Major reskilling task ahead

With 35% of tasks being augmented by technology, based on the industry average of 49%, a conservative estimate suggests, reskilling the existing professional engineering workforce is a major task



Created

22% that don't exist today added

Through job convergence and technology disruption



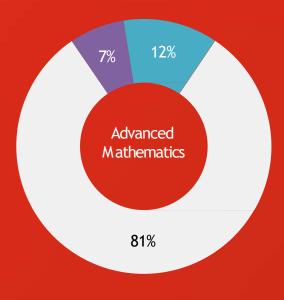
Growth

5% job growth p.a.

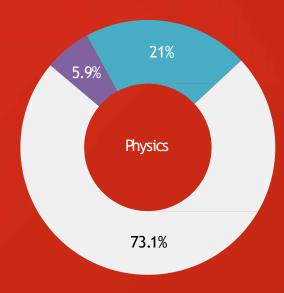
Half again as many engineering professionals will be in the Australian workforce

Sources: Australian Bureau of Statistics (ABS, August 2018) data on engineering professionals (ANZSCO 233 Professional Engineers), standard industry automation averages (Faethm, 2017). Estimates are forecast from the August 2018 total of 149,500 engineering professional employed in Australia.

Year 12 students - nationally



- Students not takingAdvancedMaths
- Girls taking Advanced Maths
- Boys takingAdvancedMaths



- Students not taking Physics
- Girls takingPhysics
- Boys takingPhysics