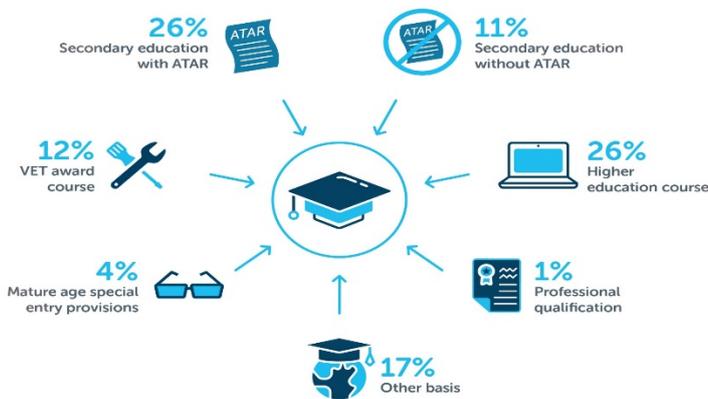


## CAREER INFORMATION AND LABOUR MARKET DATA: A summary of Information presented to staff 24/03/19

Images are from a presentation by Ian Neville, Labour Market Research and Analysis Branch, Canberra

Latest research alerts us to just how different the world of study and work has become. In a recent paper from the Mitchell Institute, "Crunching the Numbers", the authors discuss the increasing disconnectedness between the role ATAR plays in universities and schools:

### Basis of admission for commencing domestic undergraduate enrolments, 2016



Mitchell Paper No 01/2018  
Crunching the Number  
S Pilcher & K Torii  
Victoria University

ATAR is not the only factor that gains students' admission to University. Increasingly there are other ways. Many universities now see that students' performance at Year 11 can be a good indicator of their final grades at Year 12. As a result, students who were high achieving at Year 11 can apply for early offers to many universities- a number of our current Year 12s have just completed their applications to ANU and the University of Melbourne, the two most highly ranked Australian Universities.

#### Other means of gaining entry:

- STAT offered to students who are 18+ years: based on Problem solving and analysis: <https://stat.acer.org/>
- uniTEST, (online test offered at school- ATAR ^)%; Unitest 40% for entry to Flinders.
- Uni Leap (free 4 week intensive program)
- Flinders Uni: Research Project B: 60% ATAR; 40% research (automatic calculation)
- School Recommendation program
- Foundation Courses- no fee
- College courses- no fee
- Adjustment Factors
- ATAR +
- Interview
- Portfolio
- UMAT is no longer used for medicine entry; it is now UCAT check the website- NB lots of Practice questions are on this website. Applications are now open and close May 17 <https://www.ucat.edu.au/>
- Project especially for Fashion, Architecture RMIT
- VET- Cert III and above can contribute 20 credits to ATAR SACE Review- this may change but still has merit
- Credit transfer eg Uni Adelaide <https://www.adelaide.edu.au/study/undergraduate/entry-pathways/tafe-vet/credit-calculator/>
- Credit transfer from TAFESA to University <https://www.tafesa.edu.au/apply-enrol/uni-pathway-programs/tafe-to-uni-credit-transfer>

Getting a good ATAR is the easiest way but not the only one! It is a good predictor of success at University if it is greater than 80: below that the data is varied

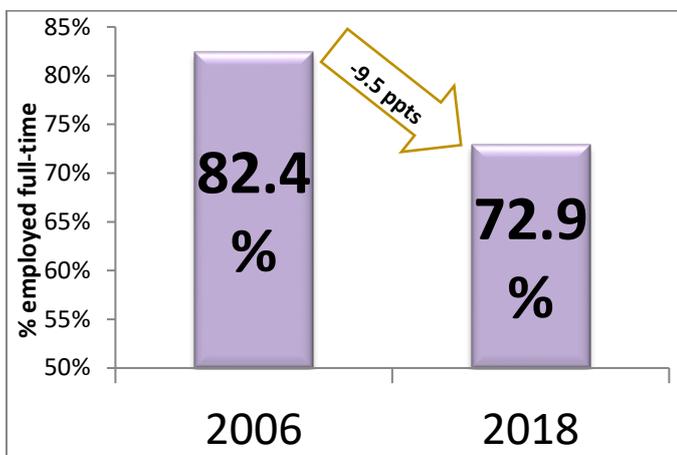
## Overseas Options:

Students are looking further afield- not just interstate also Britain, USA, NZ (domestic) NB NZ Universities accept Australian students as Domestic, hence they do not have to pay the more expensive international fee. Note also that our dollar is worth more than the NZ dollar that means relatively cheaper costs.

- Overseas institutions accept SACE but sometimes there are extra processes eg
- SAT test for USA
- Note that the College Board Request reports from **Year 9** onwards- what students do in Year 9 counts towards tertiary education!
- Interest is not just in academics but **also co-curricular** activities, team sport/ performing arts, **leadership** and **service**- Round Square and Duke of Edinburgh activities very useful

## THE LABOUR MARKET

Has become increasingly competitive for University graduates:

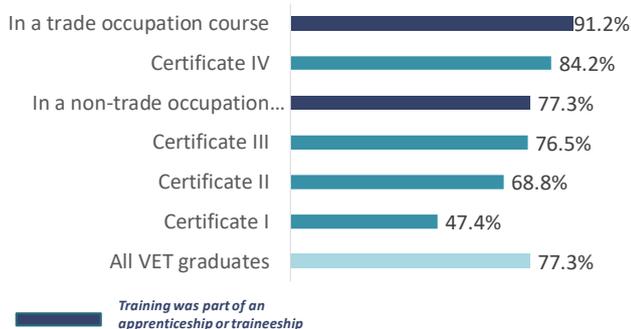


Undergraduates who found full-time employment within four months, not necessarily in their field of study

Source: Graduate Outcomes Survey 2018 (percentage of undergraduates who were looking for employment and found it)

## ...VET can be a good option...

### % employed after graduation



Source: NCVER, VET Student Outcomes 2018

Department of Jobs and Small Business, Feb 2019

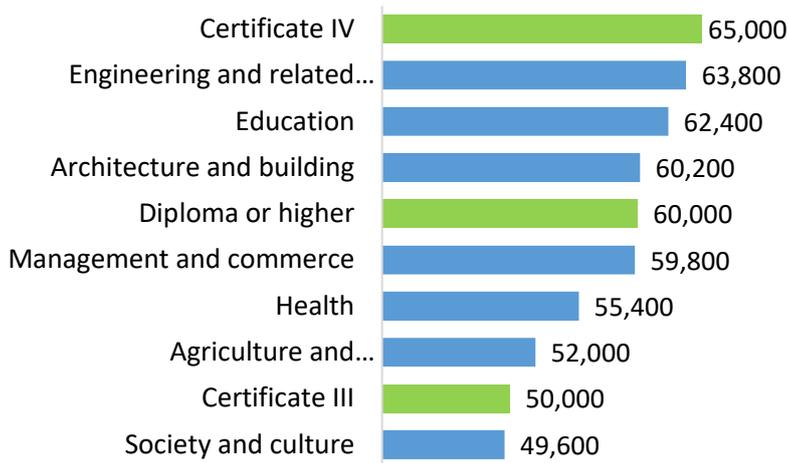
For information on VET courses, you can contact me:

[jhowland@westminster.sa.edu.au](mailto:jhowland@westminster.sa.edu.au)

W:82760354

VET graduates also have good starting salaries- remember this next time you need an electrician or plumber. If your student is more practically based this could be an excellent pathway- VET in schools. A combination of VET and ATAR can have very positive results.

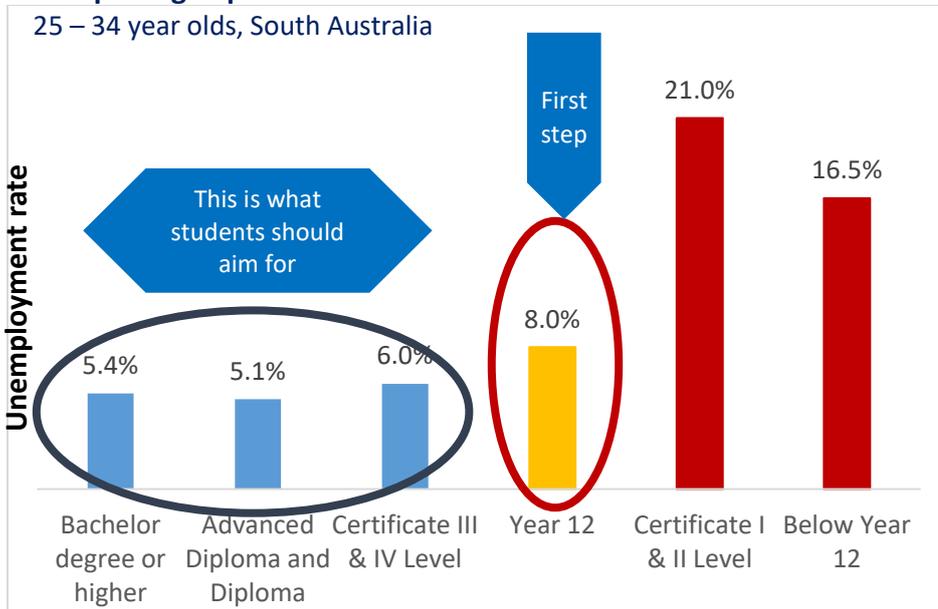
### Median income (\$) of VET graduates employed full-time 6 months after training, Australia, 2018



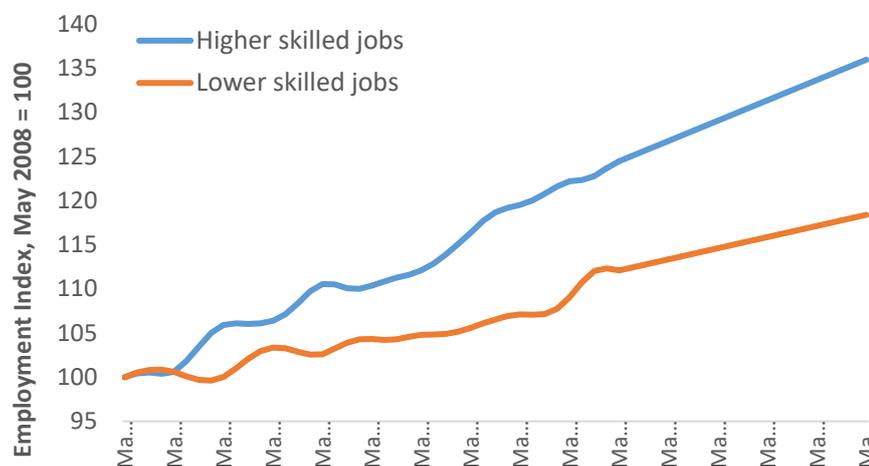
In 2018, the median annual salary of a university graduate employed full-time was \$61,000

Source: Graduate Outcomes Survey 2018; NCVER, VET Student Outcomes 2018 for qualification levels Certificate III/IV and diploma, for selected fields of education

### Completing a qualification is vital...



Source: ABS, Census of Population and Housing, 2016  
Department of Jobs and Small Business, Feb 2019



Next 5 years jobs growth strongest for higher skilled occupations:  
Over 90% new jobs require post-secondary education- up to 75% require STEM/STEAM  
Eg 'Work will start today on a centre in Adelaide's northern suburbs where the nation's \$2.5 billion short-range air defence missile system will be assembled, creating 500 jobs.'  
Advertiser, March '19

Source: Department of Jobs and Small Business, Employment Projections, five years to May 2023, higher skilled = Skill levels 1-2, lower skilled = Skill levels 3-5

## LABOUR MARKET IS CHANGING!

### Reasons:

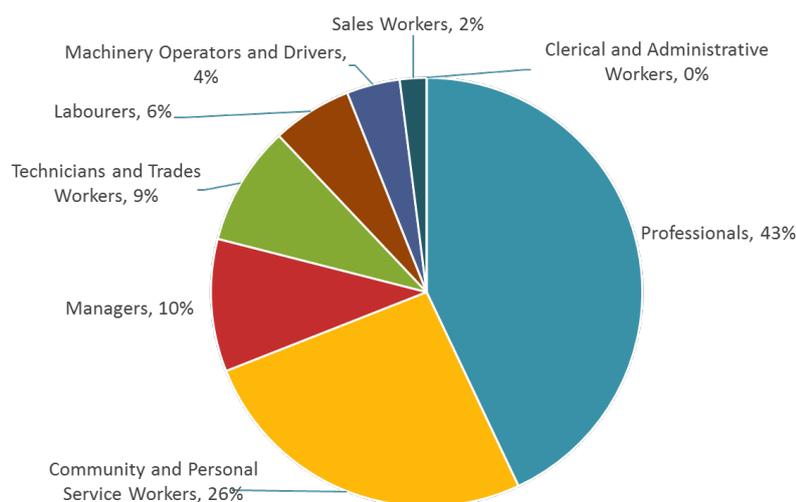
1. Technology and Science
2. Internet of things- connectivity, digitalisation, big data projects
3. Migration- impacts both developed and developing nations
4. Environment- climate change, natural disasters, energy.....
5. Growth in new jobs and wages- increase technology and knowledge driven, mega businesses
6. 'Rise of glittering economies and shabby societies.' Frank Chodorov

### Largest employment increases:

- Health Care and Social Assistance – increasing by 250,300 (14.9%)
- Construction – increasing by 118,800 (10%)
- Education and Training – increasing by 113,000 (11.2%)
- Professional, Scientific and Technical Services – increasing by 106,600 (10.2%) Require STEM/ STEAM
- Only two industries are projected to experience a decline in employment:
  - Wholesale Trade – falling by 9,700 (2.7%)
  - Agriculture, Forestry and Fishing – falling by 1,400 (0.4%)
- The long-term decline in Manufacturing employment is expected to abate, with growth of 8,500 (0.9%) projected.

Source: Department of Jobs and Small Business

### Which jobs have accounted for most growth in the last 15 years? (South Australia)



Source: Department of Jobs and Small Business

## Where are the current jobs in SA?

### Employed persons by industry, South Australia, November 2018



Department of Jobs and Small Business, Feb 2019

Source: ABS, Labour Force Survey, November 2018 quarter, annual averages

## New jobs are emerging

Eg AI has been developed that can diagnose illness more quickly and accurately than a human- but that doesn't mean we don't need doctors- the best results are a combination of the human and AI!

### Technology is not only replacing jobs, it's also creating jobs



**AI Designers**  
**Solar Power Design Engineers**  
**Cyber Security Professionals**  
**Social Media Managers**  
**Teachers**



**Big Data Analysts**  
**Digital Technology**  
**Aerial Surveyors**  
**Robotic Clinical Specialists**

Department of Jobs and Small Business, Feb 2019

Source: CSIRO, DATA 61, Tomorrow's Digitally Enabled Workforce, 2016; World Economic Forum, The Future of Jobs Report, 2018

## What are Employers wanting in their employees?



- The [World Economic Forum](#) reports that you need the ten skills listed below to thrive in 2020:
- **Complex problem solving.**
- **Critical thinking.**
- **Creativity.**
- **People management.**
- **Coordinating with others.**
- **Emotional intelligence.**
- **Judgement and decision making.**
- **Service orientation.**
- **Negotiation.**
- **Cognitive flexibility.**
- **LIFE LONG LEARNING- Learnability**

### In Summary

- Change is happening: ATAR/ University Selection/ Workplace
- Role of education is vital: preparation for a Global workplace
- Learnability- most important skill
- The labour market is becoming more highly skilled and young people need post-school qualifications.
- VET is not a second choice pathway and has good outcomes.
- Work experience and employability skills are vital. Students need exposure to jobs and real work situations.

### IMPORTANT EVENT DON'T MISS IT:

https://inspire.westminster.sa.edu/ | Good Education Group | Programme — Careers Guidance | 2019 Tertiary Studies and Career | Careers Events – TSCEA

Not secure | www.careersevent.com/tscea/

Apps | Google | Facebook (2) | Favourites | Suggested Sites | Britannica | Effective Sudden H... | Random Insanity | Shopping cart Expe... | NetBank - Message... | bible hub | Other bookmarks

**TERTIARY STUDIES & CAREERS EXPO ADELAIDE** Adelaide Convention Centre **FREE ENTRY!**

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**2019 Tertiary Studies and Careers Expo, Adelaide (TSCEA)**

We are proud to be celebrating our 10th annual TSCEA this year! The next expo will be held on **Sunday, 8th and Monday 7th of April 2019** and will again offer a unique opportunity for anyone interested in starting, changing or upgrading their career!

Featuring many local, interstate and overseas education providers, students services and support agencies. Don't miss this great opportunity to map out your future, all in the one location!

**TSCEA & SA Work & Skills Expo**

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