



UNRESTRICTED

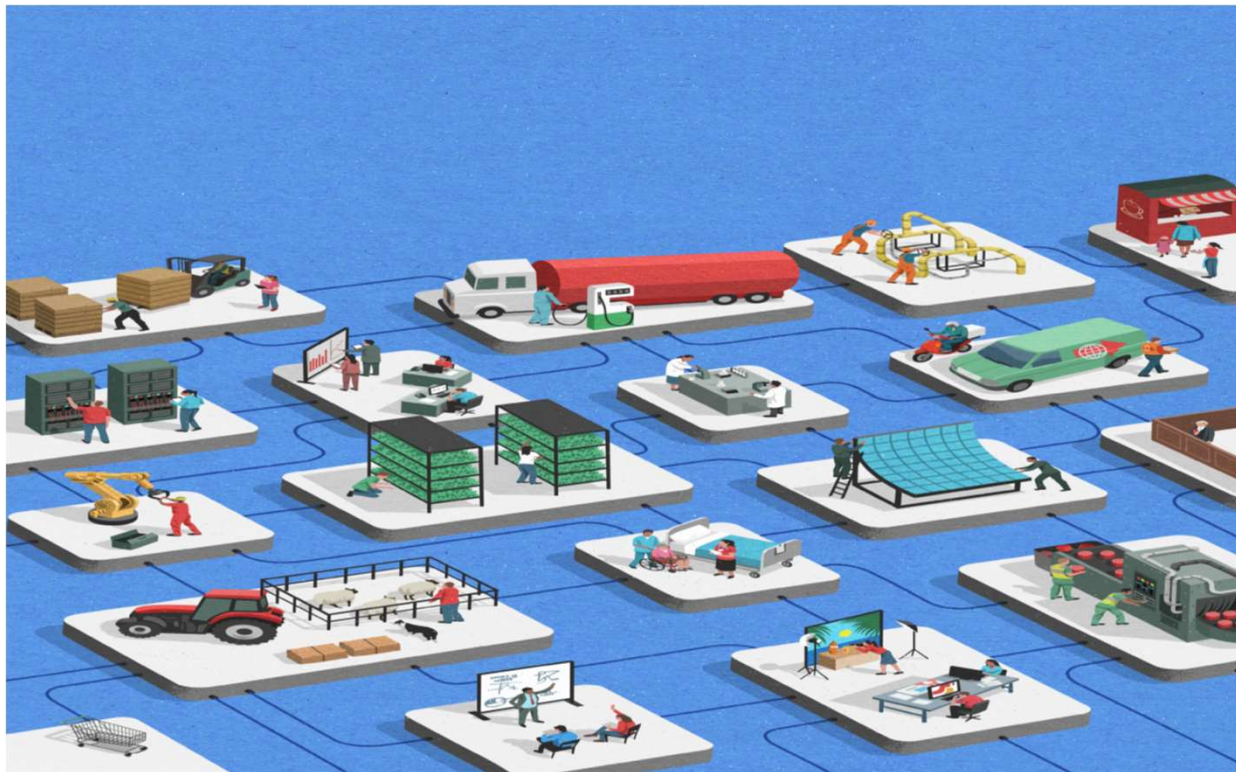
Students enrolling and completing degrees

Professor Ross Young

Deputy Vice-Chancellor (Research and Innovation)

Annual Strategic Directions Workshop | Sunshine Coast Business Council | 8 February 2024

Future of Jobs Report 2023 Insight Report May 2023



VISION:

Becoming Australia's premier regional university

MISSION:

Enriching our regions, connecting with our communities and creating opportunities for all

GOALS

- 1 OPPORTUNITY**
Support more people to achieve their ambitions through education
- 2 EMPLOYABILITY**
Help more people work, contribute and innovate in their local and global communities
- 3 RESEARCH IMPACT**
Produce research that makes a difference
- 4 ENGAGEMENT**
Build prosperous communities through powerful partnerships
- 5 INFRASTRUCTURE**
Build a contemporary, sustainable, accessible university
- 6 PEOPLE AND CULTURE**
Become a workplace of choice

**WE'RE ONE OF
AUSTRALIA'S
HIGHEST-RATED
PUBLIC
UNIVERSITIES**



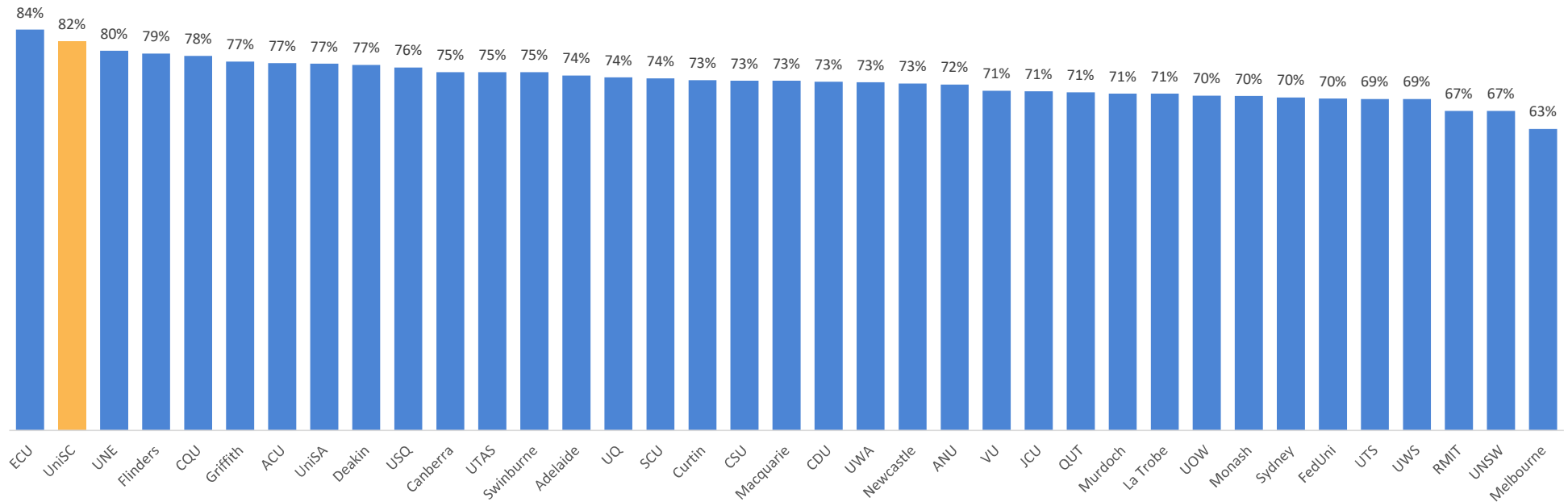
**1st in Queensland
2nd in Australia***

for overall educational experience

*Ranking of Public Universities in 2021 Student Experience Survey

Overall Experience SES Benchmarking

In 2021 UniSC ranked second highest in the country for undergraduate overall satisfaction, UniSC was also rated second highest for overall satisfaction across all program types. Postgraduate student overall satisfaction stands out as the highest in the country for UniSC with an overall experience of 82.8%, this is 4.7% higher than the second highest rated institution Edith Cowan University.



Good University Guide Ratings



UniSC is rated 5 stars in the following:

- Overall Experience
- Learning Resources
- Teaching Quality
- Skills Development
- Student Support
- Social Equity
- First Generation
- Learner Engagement (Postgraduate)

**UniSC is the
highest-ranked
Queensland
university, and
7th in Australia**



In 2022 UniSC ranked
29 equal out of **1705**
institutions globally in the
Times Higher Education (THE)
Impact Rankings

Up **two positions** globally from 2022.





We're

3rd

globally for...

Clean Water and Sanitation



Life On Land



23rd

5th



Life Below Water

11th

3rd



Climate Action

28th

9th

Students

International students



Average age of students: 26



First in family



Student enrolment



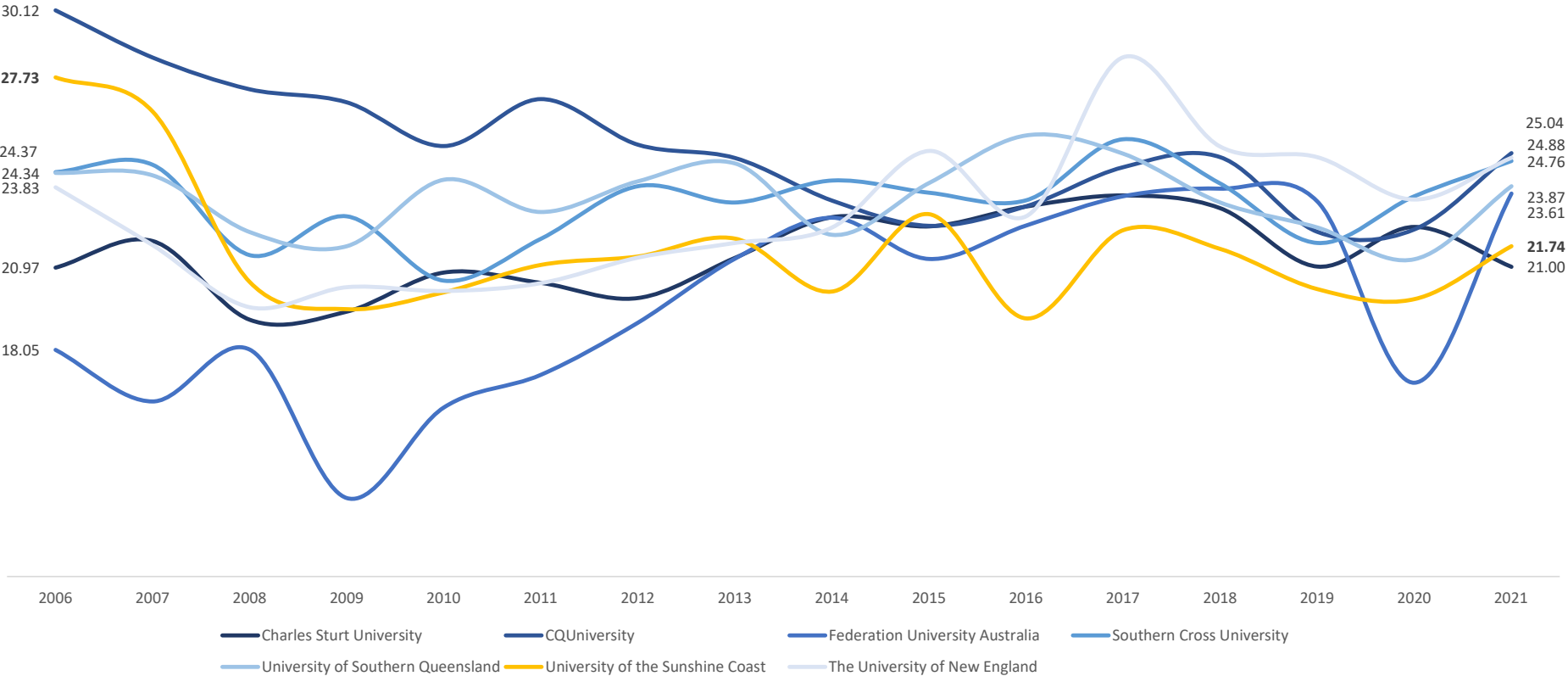
*A student continuing from a previous year

Slide 10

TR0 We have the figures in the previous slide in this designed slide with updated figures. Note, we have not updated enrolment figures.

Trisha Roe, 2024-01-29T06:40:48.118

UniSC Key Statistics | Adjusted Attrition UniSC against RUN



Source: Student Experience Survey 2022

UniSC's most popular degrees

Students by school

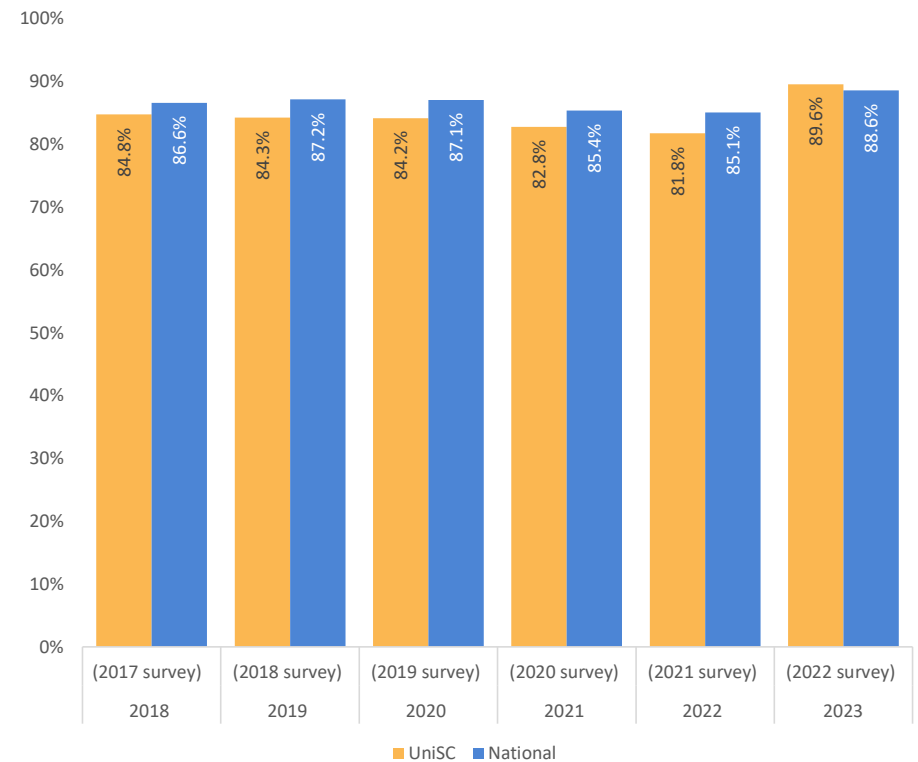
School of Health	7,681
School of Education and Tertiary Access	2900
School of Business and Creative Industries	2,518
School of Law and Society	2,239
School of Science, Technology and Engineering	1,679
Non School	521

Top 5 highest enrolled degrees

1.	Bachelor of Nursing Science + Bachelor of Nursing Science (Graduate Entry)	3,546
2.	Bachelor of Primary Education	779
3.	Bachelor of Occupational Therapy	507
4.	Bachelor of Social Work	486
5.	Bachelor of Business	448

Graduate Employment Outcomes | Employment Rates

For both UniSC and national students, employment rates have raised by a significant amount in 2022 making it 4.5 percentage points higher than it has been at any point in the last 6 years. This is to be expected however with the overall large increase to graduate employment rates nationally. Also, in 2022 UniSC achieved an employment rate higher than the national average



Employer Satisfaction survey (ESS)

After a couple years of lower employer satisfaction in 2020 and 2021, employer satisfaction for UniSC is the highest it has been since 2019. UniSC's employer satisfaction historically roughly equates with the national average.

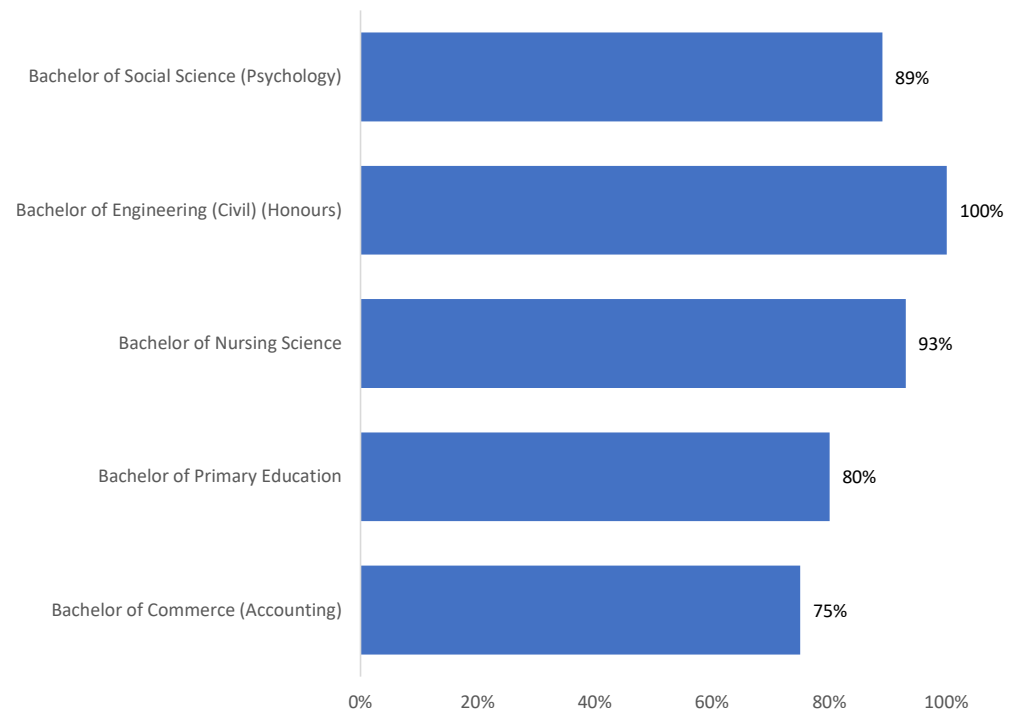
The QILT ESS survey is the only mass scale survey within Australia that measures the success of graduates from higher education institutions in fulfilling employer needs and requirements.



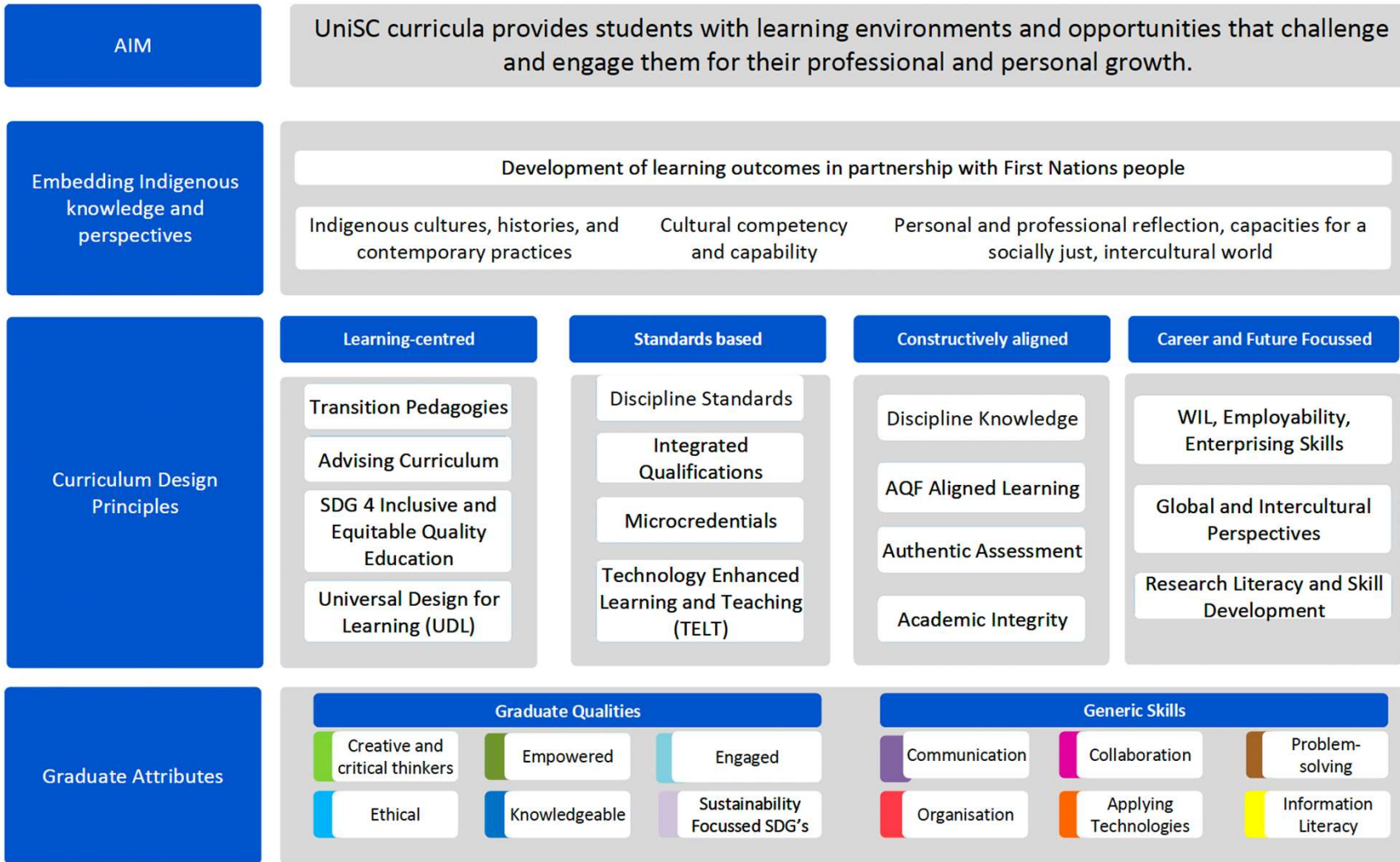
Employer Satisfaction survey (ESS)

The top 5 programs with the most responses from the ESS show that employers overall have high satisfaction. Employers rate their graduate employees on multiple criteria, overall satisfaction is based on whether an employer wishes to hire another student from UniSC.

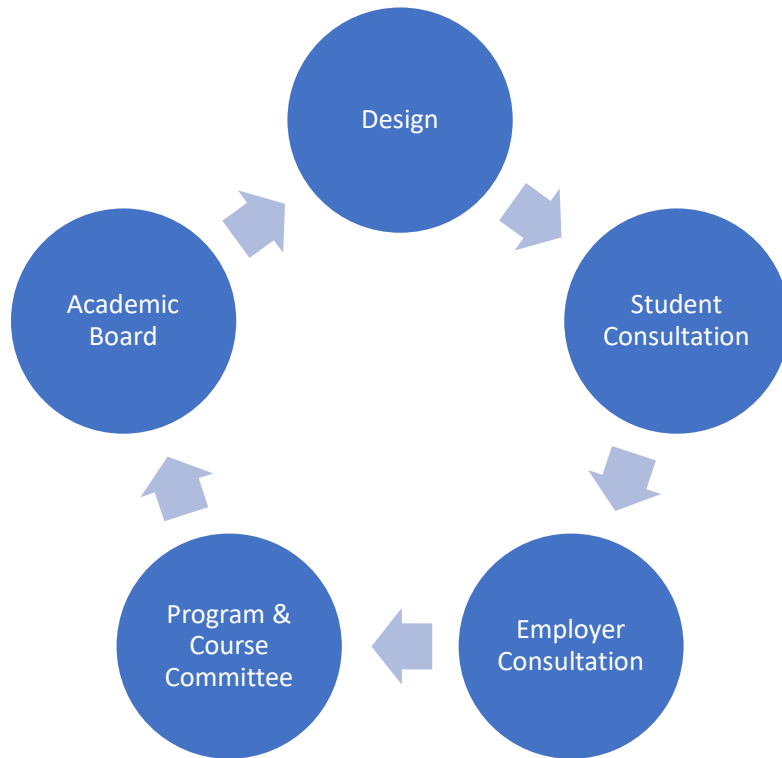
Employer Satisfaction Highest Response Rate Programs



Curriculum Design Principles



Curriculum Design, Consultation & Approval



- Curriculum is designed, developed, monitored and improved as part of a quinquennial review cycle
- Crucial consultation with
 - Students
 - Employers
- Industry advisory groups work with each discipline to
 - Review curriculum
 - Advise on industry trends
 - Ensure students will graduate with future focussed skills



Australian Government
Jobs and Skills Australia

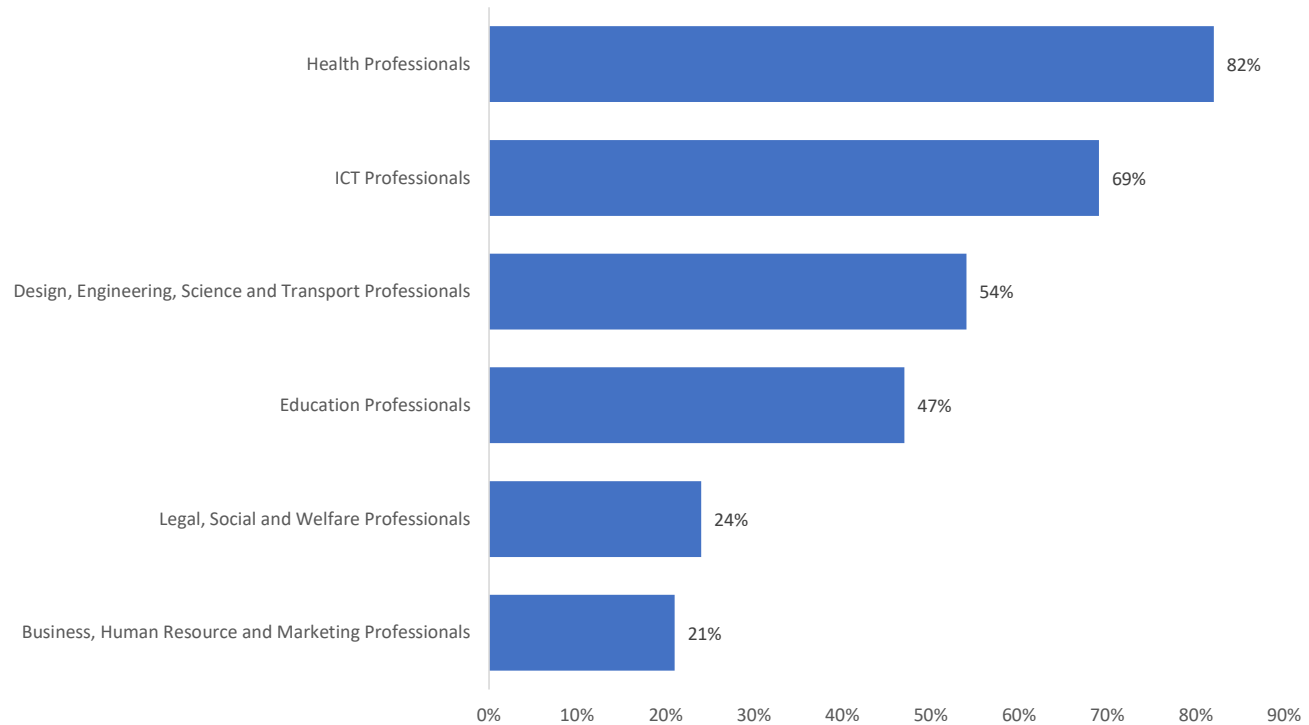
2023 Skills Priority List

Key Findings Report

September 2023



UniSC Key Statistics | Skill Shortage Areas



New Programs based on consultation

- Post graduate – Masters
 - Mechanical engineering, Civil engineering, Robotics & Automation, Renewable Energy Engineering and Engineering Project Management. All available online and on-campus (MB)
 - Dietetics and Sports Nutrition (SC)
- Undergraduate
 - Medical laboratory science (SC)
 - Aircraft maintenance engineering (dual award with Aviation Australia (AA TAFE)) (MB and AA TAFE)
 - Defined credit for seven study pathways from TAFE to UniSC, ongoing work strengthen progression

The high value industries for our regional economy

Sunshine Coast Council's Regional Economic Development Strategy identifies 7 high value industries that offer the greatest potential to succeed as the region's economy grows through to 2033.

1. Aviation and aerospace
2. Health and wellbeing
3. Clean technologies
4. Food and agribusiness
5. Tourism, sport and leisure
6. Knowledge industries and professional services
7. Education and research

How is demand for these programs trending in recent years?

<https://invest.sunshinecoast.qld.gov.au/innovate/high-value-industries/>

Aviation and aerospace

- eVTOL team
- Aiming for 50 students joining per year
- University, High School and TAFE
- Design and Production Across Multiple Sites
- Aiming for 5+ schools engaged in the 1st year
- Aiming for 10+ industry partners engaged across a range of disciplines
- Government endorsed
- Aligns to 2032 Advanced Air Mobility Strategy
- **UniSC Teams at Sunshine Coast and Moreton Bay**



Renders by
Anthony
Franze' on
behalf of
Manufacturing
Excellence
Forum



Partners*



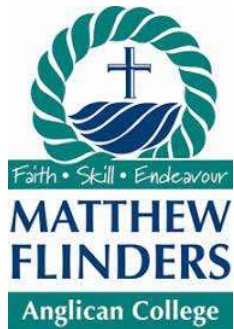
gateway to industry schools
**advanced
manufacturing**



SUNSHINE COAST
GRAMMAR SCHOOL



AUSTRALIAN INDUSTRY
TRADE COLLEGE



*Only some partners shown
Partnership formalisation in progress

Health and wellbeing

Education

- Nursing graduates – Over 3500
- **Growing from 131 completions in 2013, to 347 in 2023**
- Paramedicine graduates – Nearly 1000 (967)
- Biomedical Science graduates – Over 600 (605)
- New programs
 - Master of Dietetics (Sports Nutrition) – Sem 2, 2024
 - Bachelor of Physiotherapy (Honours) – Sem 1, 2025
 - The only University in Queensland training Prosthetist and/or Orthotists through our Bachelor of Prosthetics and Orthotics.
 - Mental Health and Neuroscience – combining the study of mental health and neuroscience. Created and taught by clinical and research experts from [UniSC's Thompson Institute](#).

Clean technologies

Education

- Environmental science graduates – over 390
- Animal ecology graduates – 235
- Engineering – incorporating courses such as Sustainable Engineering (Design) and Sustainable Transport Systems to create future focused engineers.

Research

- [Sustainability research centre](#)
The Sustainability Research Centre (SRC) was established in 2007 with the goal of conducting cutting-edge research into pressing local, regional, and global challenges of economic, social, and environmental sustainability.
- [Water battery and our campus living laboratory](#)
Rather than a traditional battery – which poses disposal problems for the environment – UniSC uses a thermal energy storage tank, mostly consisting of water. That means minimal waste when it comes time to replace. The water, once chilled using the power of the sun, is used in air conditioners across the Sunshine Coast campus.

Food and agribusiness

- Seaweed Research Group
 - Made up of more than 30 academics, students and technical staff, the group is unique in its cross-disciplinary approach to seaweed research.
 - These leading experts help communities, government and business identify opportunities to develop and cultivate seaweed as a resource that is good for the economy, the environment and communities everywhere.
- Australian Centre for Pacific Islands Research (ACPIR)
 - The Australian Centre for Pacific Islands Research (ACPIR) is committed to co-designing research projects and developing evidence-based solutions collaboratively with Pacific communities. Our research projects focus on supporting these communities to play a role in shaping a more sustainable future in aquaculture and agriculture.
- Forest Research Institute
 - UniSC's Forest Research Institute undertakes work in the broad spectrum of forestry research areas that make direct and meaningful contributions to the sustainability of our wooded landscapes. This includes important areas of studies such as smallholder and forest conservation-based research, along with work to develop future biofuels from woodwaste and ultimately manage the environment and economic benefits of subtropical and tropical forests.
- FAN/TURBINE
 - UniSC is the education/R&D partner.

Tourism, sport and leisure

Education

- Graduated over 430 sport and exercise scientists
- Graduated over 350 business students who specialised in tourism, leisure and event management
- High performance student athlete [program](#)
 - At UniSC, high performance athletes achieve at the highest level in study, research, training and competition with purpose-built facilities and support from world-leading coaches, performance development specialists and sport and exercise scientists.

Partnerships

- Lightning
- Dolphins

Knowledge industries and professional services

- Education
 - Information and communications technology – over 360 (367) graduates
 - **Growing from 6 completions in 2013 to 38 completions in 2023.**
 - Many of our programs have industry certifications and badges built in at no extra cost, from highly recognised companies including Google, Microsoft and Cisco, so students gain the specific skills needed for a career in technology.
- Master of Engineering Project Management
 - “Stackable”
 - Includes Contracts and procurement, Project execution, Risk engineering, Resource planning, etc.
- Innovation Centre
 - The [Innovation Centre](#) assists innovative and ambitious businesses at every stage across all industries. Typically, Innovation Centre members are looking to either launch a new venture or scale an existing venture in the mid to short term. Members join the Innovation Centre to access programs, training, mentoring and tailored advice aligned with their strategic needs.

Education and research

- Education
 - UniSC has **trained over 1900 (1904) educators** at the Sunshine Coast
 - UniSC is part of Teach Queensland's [Turn to Teaching Internship Program](#) aimed at supporting aspiring teachers.
- Research
 - [Using brain science to overcome gender-based learning barriers](#) – Associate Professor Michael Nagel
 - [The learning and development of mathematics teacher educators: International perspectives and challenges.](#) – Professor Merrilyn Goos.

Summary

- WEF (2023) predicts the largest job growth will be in the green economy; in technology cloud computing, big data and AI
- UniSC is committed to our graduates meeting these future challenges:
 - Acknowledging our unique student mix, e.g. a high number of first in family
 - Ensuring a practical focus
 - Experiencing a university culture committed to, and internationally recognised for, environmental impact
- Engaging with high schools and the community to build ambition and opportunity

UniSC's future is based on collaboration with industry to attract and retain students:

- Formal feedback via employer satisfaction surveys and students
- Industry advisory groups developing curriculum and new degrees
- Student projects and WIL with industry partners
- Offering industry recognised qualifications to “earn while you learn”
- Stronger connections with TAFE and easier access to more responsive, shorter learning opportunities
- Expanding our offerings in high value industries to provide a greater economic impact