

# Sunshine Coast Future Careers+2025



## Education and Research



**Sunshine Coast Council is embarking on a strong and prosperous future which includes a progressive approach to sustainable economic growth and opportunities that are unrivalled anywhere in Australia. Council's Regional Economic Development Strategy is a blueprint for sustainable economic growth until 2033. The strategy will help ensure the region actively participates in the global economy and delivers an enviable lifestyle and opportunities for local residents and businesses.**

## Current Industry Snapshot

The Education and Training industry is the fourth largest employer on the Sunshine Coast and employs 9546 people. Teachers, administration staff and vocational trainers are employed across 73 primary and secondary schools, a university, three TAFE campuses and approximately 400 private training organisations.

The University of the Sunshine Coast is the single largest educational institution currently employing around 1100 staff to cater for 12,500 students, and have recently added another building to their Sippy Downs campus to complete the latest stage of their expansion project.

On a national scale, the education industry is undergoing a transition to put greater focus on science, technology, engineering and mathematics, otherwise known as STEM subjects. Almost \$65 million has been allocated for 10 initiatives under the 'Inspiring all Australians in Digital Literacy' and the STEM programs as part of the National Innovation and Science Agenda.



## Game Changers on the Sunshine Coast

The following projects are some of the major 'game changer' developments in the Education Industry that will provide jobs in 2025.

### Aura – City of Colour, Caloundra South

Over the next 30 years, Aura, located in Caloundra South, will be home to about approximately 50,000 people and will include an environmental education centre, four early learning centres, five public primary schools, four private schools and two public high schools. Already the first public primary school (P-6). The school will be integrated into the town centre and be built two to three storeys high over two hectares. This "school of the future" will have a strong focus on STEM subjects and will incorporate a robotics lab and recording studio.

### Palmview development

Located opposite Aussie World, the new development area in Palmview will become home to another 17,000 residents and have three new schools. The value of the development has been estimated to exceed \$4 billion. The new area will have both public and private primary and secondary schools.

### Sunshine Coast University Hospital (SCUH)

As a tertiary hospital, the recently opened SCUH employs highly trained specialised staff, equipment and services able to safely care for patients while also serving as a training facility for large numbers of staff and students. This infrastructure project has significantly increased the amount of health educator's roles available for the region.

### Sunshine Coast Health Institute (SCHI)

The Sunshine Coast Health Institute (SCHI) will be operated through a partnership between the Sunshine Coast Hospital and Health Service, University of the Sunshine Coast, TAFE Queensland East Coast and a medical school. The SCHI will educate and train the next generations of staff while driving the development of new knowledge, through research, to contribute to national and international improvements in patient care.

### Undersea communications cable

The Sunshine Coast Council's proposal for an undersea communications cable would place the region as an internet gateway and significantly improve internet speeds, reliability and access for the Sunshine Coast.



## Projected Growth Snapshot

Employment in the education industry on the Sunshine Coast is expected to double, making it the second largest employer by 2033. Over the next 10 years, the region's population is estimated to grow from 289,389 in 2016 to 380,649 by 2026.

As a result, employment opportunities will arise from 'game-changer' development projects involving construction of new primary and secondary schools, preschools, child care centres and private training colleges.

Additionally, education providers are set to increase the number and quality of online courses which will position them to potentially begin exporting high quality niche online educational courses to the world. Future teachers will be required to have science, technology, engineering and mathematics (STEM) skills providing for 75% of jobs in the fastest growing industries over the next five to 10 years.

To help students become proficient in STEM, the Federal Government is providing a \$51 million package, starting on July 1, 2016 for five years that nationally includes:

- ICT summer schools for Years 9 and 10.
- Annual Cracking the Code national competition for Years 4 to 12.
- Support for teachers to implement the Digital Technologies curriculum through online learning activities and expert help.
- Support for school leaders to drive digital literacy and partnerships to bring scientists and ICT professionals into the classroom.

Through involvement with these programs, students will be better prepared for tertiary studies to then enter the education industry workforce.

The new infrastructure would help schools and training centres access a greater amount of online content and other data dense applications as is necessary for virtual reality and teleconferencing. This crucial infrastructure will provide the internet speeds that will allow the potential for remote training and education.

## Future Careers 2025

The education industry has many different types of teaching roles and includes administrative and other education related positions. The table below shows different roles that will be available in the Sunshine Coast in 2025 for the Education Industry.

Curriculum Developer	Adult Literacy Remedial, GED
Counselor	Pre-School Teacher
K-12 Teacher	Special Education Teacher
Early Childhood Teacher	Librarian
Postsecondary Teacher	Vocational Teacher
Education Administrator	Kindergarten Teacher

## The Top 3 Careers in 2025

1. **K-12 Teachers** – teach students from kindergarten through to year 12. Teachers create, plan and carry out lessons for a variety of the subject areas, set and mark assignments and mentor students to help them meet the school curriculum.
2. **Educational Administration Staff** – are across all vocational areas, universities, primary schools, secondary schools and kindergartens. Staff carry out the day-to-day business activities of running an educational institution. Staff enroll students, care for students, care for the premises, handle payments and paperwork, answer phones and perform other office duties.
3. **Vocational Trainer** – are specialised teachers with five to 10 years of on-the-job experience. They hold a training and assessment certificate and hold qualifications in the area they are training in. They train or cover traineeships and apprenticeships from certificate I through to diplomas.



# Career Pathways and Education

While the focus on STEM subjects will be heavily encouraged into the future, society will still need teachers that have experience in the arts such as drama, music and art itself. Every industry will be influenced by technology to some degree and as such, the STEM subjects will be important to consider going into the future. Studying English subjects will be very crucial in order to meet pre-requisites for tertiary studies and also to teach as a subject by itself. The below table contains subjects that will prepare students for a future in teaching.

Subjects to look for at High School			
Science	Technology	Engineering	Mathematics
Biology	Technology Studies	Engineering Technology	Mathematics A
Chemistry	Information Processing & Technology	Industrial Technology & Design	Mathematics B
Physics	Information Technology Systems	Engineering Skills	Mathematics C

Tertiary / University Education Pathway at the University of the Sunshine Coast		
Bachelor of Education	Integrated Learning Pathway	Headstart Program
Master's Degree Business / Education / MBA	Tertiary Preparation Pathway	Transfer of Program

## Which Degrees are currently available?

Bachelor of Education (Early Childhood)	Bachelor of Recreation and Outdoor Environmental Studies
Bachelor of Education (Primary) (Graduate Entry)	Bachelor of Serious Games
Bachelor of Education (Secondary) / Bachelor of Arts	Doctor of Philosophy
Bachelor of Education (Secondary) / Bachelor of Recreation and Outdoor Environmental Studies	Graduate Certificate in Education
Bachelor of Education (Secondary) / Bachelor of Science	Graduate Diploma in Education (Secondary)
Bachelor of Primary Education	Master of Education
Graduate Diploma in Education (Secondary)	Master of Education by Research

TAFE Education Pathway		
Certificate IV in Education Support	Certificate III in Early Childhood Education and Care	Diploma of Early Childhood Education and Care
Certificate III in Education Support	Certificate IV in Outdoor Recreation	Full-time & Part-time offered

Online Courses + Career Colleges + Work Based Learning		
Diploma of Early Childhood Education and Care – Open Universities Australia	Certificate III in Early Childhood Education and Care – Open Universities Australia	Certificate III in Education Support – Open Universities Australia

## Crossover Industries

The education industry underpins all other industries as training and development plays an important part in all businesses, jobs and careers. On the Sunshine Coast, gaining qualifications in education can allow employment in any of the identified high-value industries which consist of

Health and Wellbeing, Knowledge Industries and Professional Services, Agribusiness, Clean Technologies, Aviation and Aerospace and Tourism, Sport and Leisure. Many roles in these fields could be teaching and training positions in vocational sectors.

Images supplied courtesy of the University of the Sunshine Coast.