Courage
Change *and*
Challenge

THE FUTURE OF TAFE

Queensland Future Skills Partnership

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TAFE DIRECTORS AUSTRALIA CONVENTION 2022
15-17 November | Hilton Adelaide

#POWEROFTAFE
www.tdaconvention.com.au

The Queensland Future Skills Partnership

- Microcredentials
- Skillsets
- Certificate II in Autonomous Technologies
- Pilot Programs
- Evaluation and Go to Market
- Careers Navigator Program
- Higher Education Programs

Microcredentials and Skillsets

Microcredentials (non-award)

- Work effectively in autonomous environments
- Data fundamentals in autonomous environments
- Cyber security
- Safety fundamentals in autonomous environments
- Digital transformation
- Autonomous environments in the value chain
- Network basics
- Positioning basics
- New technology
- Adapt, collaborate & communicate

Skillsets (accredited)

- Restricted electrical
- Cyber security
- Capture and Present Big Data
- First Responder
- Initial Fault Response
- Fault finding Networks
- Fault finding Equipment
- Programmable Logic Controllers
- SCADA
- Geo-spatial
- Interoperability
- Networking

Certificate II in Autonomous Technologies

Certificate II in Autonomous Technologies

- Electronics
- Safety
- Schematics
- Fault finding electronics
- Automation
- Robotics
- Networking
- Software applications
- Data and information management
- Fault finding networks
- GPS/Radio/Radar/Laser
- Communication
- Sustainability
- Innovative thinking
- Problem solving

Pilot Programs

Existing worker pilot program (2021):

- Work Effectively in Autonomous Environments (microcredential)
- Safety Fundamentals in Autonomous Environments (microcredential)
- Cyber Security (microcredential)

Isaac Region Schools Microcredential Taster (2021):

- Work Effectively in Autonomous Environments
- Safety Fundamentals in Autonomous Environments
- Digital Transformation
- New Technologies

Certificate II in Autonomous Technologies (2021-23):

- Isaac Region School Pilot – Semester 2, 2021
- QMEA Schools Pilot – Semester 1, 2022
- QMEA Schools Pilot – Semester 2, 2022

Microcredentials & Skillsets (2022-23):

- Delivery of 20 microcredentials
- Delivery of 24 skillsets pilot programs

Upskilling Existing Workers

Work effectively in autonomous environments

- “Good starting point if you were new to autonomous”
- “Relevant information to our industry, great examples of AI technologies”
- **“**I didn't have a full understanding before doing the course but after today I had a full understanding and was quite interested”

Safety in autonomous environments

- “The discussion with other students. Sharing information about experiences”
- “Overview of site maps incorporating specific zones and restrictions”

Cyber Security

- “Interesting. Relevant outside of work environment”
- “The knowledge from the trainer as well as the information supplied was very useful”
- “That you need to be more careful on what you are doing online”

Schools Delivery

40%

Mechatronics
Information Technology
Software Course
Electrical Engineering
Software Programming
Drone Pilot
General IT

Further Education

33%

Not sure

7%

Mechanic
Mines

Apprenticeship/ Traineeship

13%

IT Technician
Software Development

Paid Work

7%

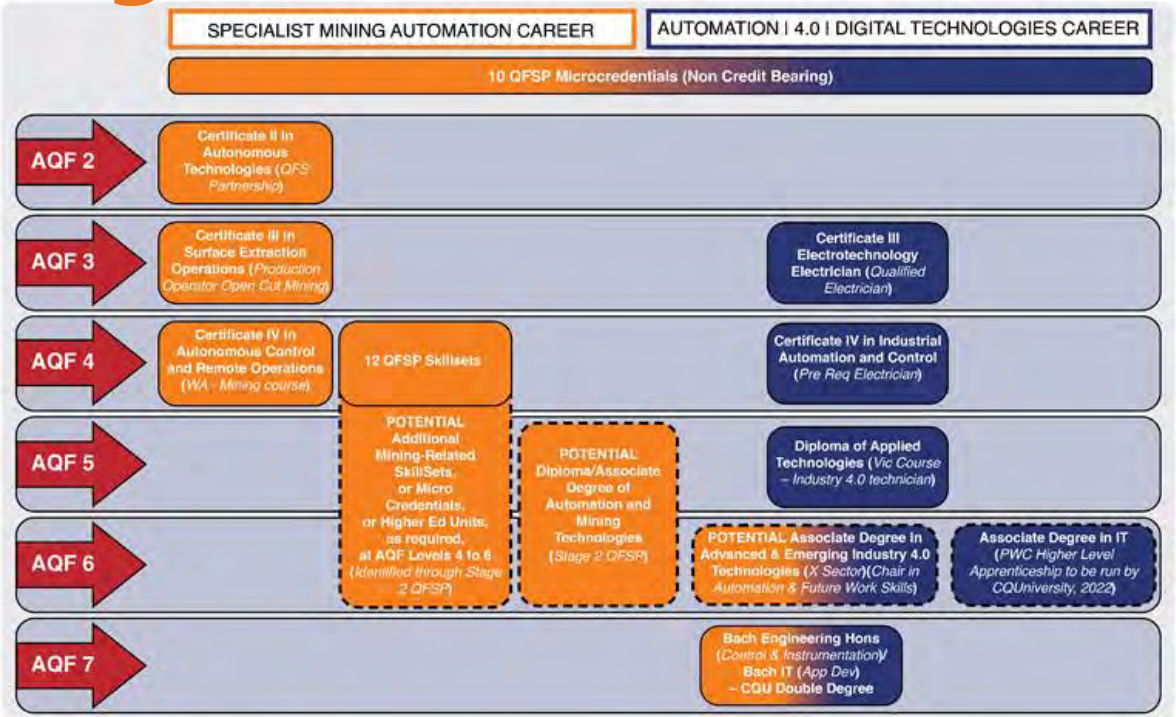
BHP Mitsubishi Alliance
Redlands Coast Distillery
Family business

Particular Employer

Careers Navigator Service

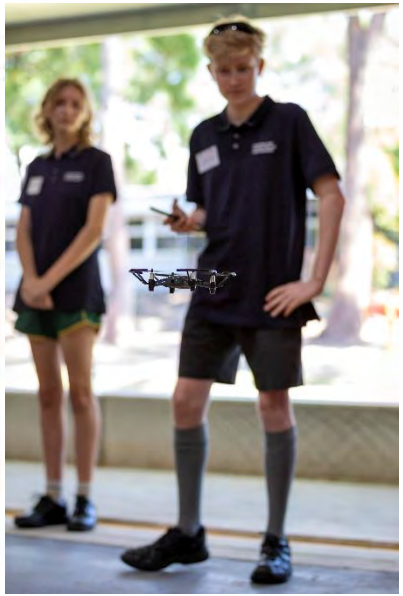
- Provision of up-to-date careers and training pathway advice.
- Provide professional expertise, leadership and support to school communities and networks in the development and implementation of career plans, programs, and events.
- Drive engagement between schools and local industry, businesses and community organisations.
- Regional needs assessments, identifying gaps in work readiness at a local student level.
- Career information nights, working with local schools and community organisations.

Higher Level Skills Pathways



KEY

- Mining Focus
- Broader Industry 4.0 / Automation / Digital Technologies Focus
- Solid line: Existing Course/ Training
- Dotted line: Potential New Course/ Training



Achievements to date

- Combining Industry and Government Investment to achieve sustainable and financially viable skills for the future
- A new operating model to bring new programs to market quickly
- True collaboration - Industry, Government & Community
- A new way of TAFE working with Industry, University, Community & Government.

RESOURCES TRAINING COUNCIL

Outstanding Training Initiative

engagementaustralia

Australian Government

AUSTRALIAN TRAINING AWARDS

INDUSTRY COLLABORATION AWARD

FINALIST

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