





# P-TECH INDUSTRY PROJECTS Engineering

St Patrick's Technical College is South Australia's first P-TECH school.

P-TECH involves the establishment of long-term partnerships between industry, schools and tertiary education providers that enable businesses to play an active role in the learning and career development of their future workforce.

Partnerships between schools and industry provide opportunities for students to engage with the world of work and understand the relevance of their learning to jobs and post-school pathways.

The key elements of P-TECH are:

- > Innovative curriculum and approaches to learning
- > Industry mentoring and support
- > A post-school qualification
- > Links to employment

Engineering students at St Patrick's Technical College undertake projects designed by the team at **Century Engineering**. Projects span Century's capabilites in South Australia including water, defence, rail, power, resources and energy applications.

The P-TECH - Century Engineering projects give you the opportunity to apply your learning from the St Patrick's Technical College industry-focused STEM curriculum plus the Certificate II in Engineering that forms part of your Year 11 and 12 SACE program. Key personnel from Century Engineering, including engineers and technicians, work with you on the projects and as mentors throughout the program.

Your program also includes visits and work experience opportunites at Century Engineering's facilty located in the *Edinburgh North Smart Industries Precinct* and with and other defence industries employers.

Pathways from the P-TECH - Century Engineering projects can include apprenticeships with defence industries employers, direct entry to TAFE SA Associate Degree programs in Civil & Structural Engineering or Engineering undergraduate courses at university post-school.

## P-TECH ENGINEERING PATHWAY

# **Associate Degree**

## **Certificate II**

#### Year 11 | 12

#### StPatsTech | TAFE SA

Certficate II in Engineering (Production Technology) (MEM20205)

Industry designed Project-based Learning Work Experience

Industry Mentoring

Up to 90 SACE credits > SACE completion School-based Apprenticeships

## **Certificate III**

**Apprenticeship** 

# Year 13 | 14 (post-school)

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#### TAFE SA

Associate Degree in Civil & Structural Engineering (Design Drafting)
(CRS1400353)

Associate Degree in Civil & Structural Engineering (Site Management) (CRS1400354)

Industry Mentoring Internships

# Degree

### Year 15 | 16 (post-school)

#### **Flinders University**

Bachelor of Engineering (Civil) (Honours)

#### University of Adelaide

Bachelor of Engineering (Honours)
(Civil & Structural)

#### University of South Australia

Bachelor of Engineering (Honours) (Civil / Civil & Structural / Civil & Project Management)

P-TECH programs offer multiple employment and further education pathways for students through traineeships, apprenticeships, diplomas, associate degrees or undergraduate degrees with a heavy emphasis on work experience and mentoring with industry partners.

## ST PATRICK'S TECHNICAL COLLEGE

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