



Training pathway **STEEL FABRICATION**



AUSTRALIAN STEEL INSTITUTE

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www.steel.org.au

A CAREER THAT'S **IN DEMAND**

There is a range of different careers in steel fabrication:

Boiler Makers: interpretation of drawings; identification and marking of steel members; cutting and drilling of steel members; tack and assembly of steel members; welding and grinding

Mechanical and Pipe Fitters: interpretation of drawings and welding procedures; identification of pipe types and schedules, pipe fittings, grades and ratings, and flange types and tables; cutting, preparing and tack assembling pipe spools

Welders and Sheet Metal Workers: interpretation of drawings and weld procedures; identification and control of welding consumables; welding to qualified procedures

Riggers or Structural Steel Installers and Erectors: workshop fabrication; onsite installation of columns, beams and fabricated structures



THE PAY YOU COULD EXPECT

Qualified trades earn \$28 to \$34 per hour as a full-time employee.

The casual hourly rate is approximately 20% to 25% higher.

Team leaders, managers, and other roles can earn \$80k to 140k per annum in South Australia.



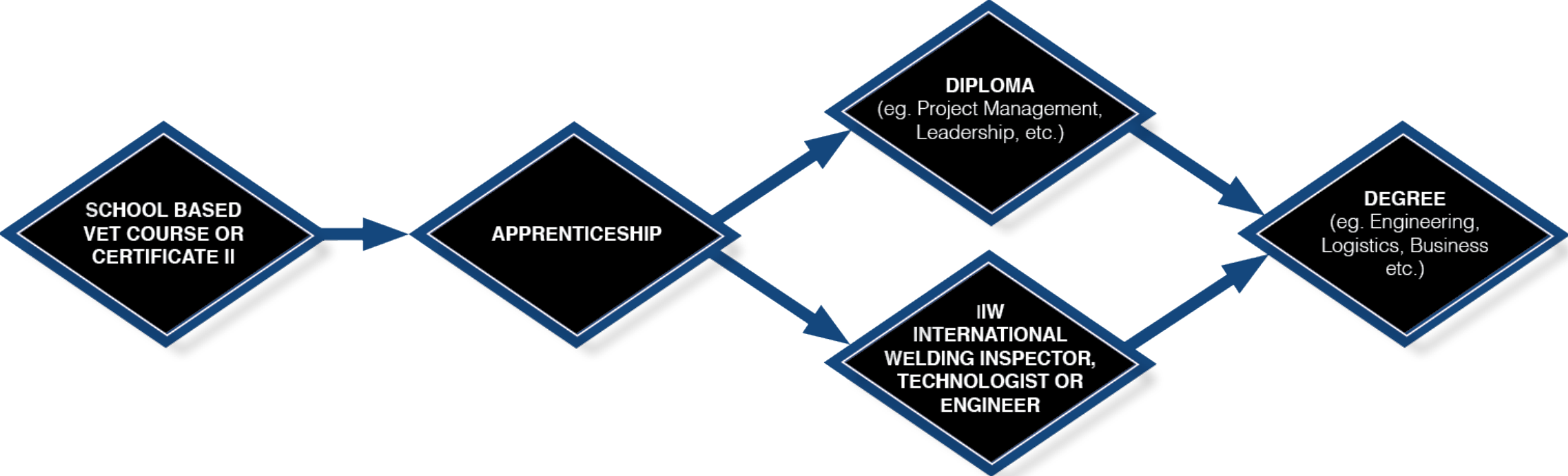


THE SKILLS YOU'LL NEED

- ✓ Good communication
- ✓ Problem solving
- ✓ Attention to detail
- ✓ Enjoy hands-on work
- ✓ Team player
- ✓ Good work ethic
- ✓ Punctual
- ✓ Enjoy maths



TRAINING PATHWAY



TRAINING PROVIDERS

Many TAFEs in Adelaide and surrounding areas (like Mount Gambier) offer training in steel fabrication and welding, including:

- ✓ Cert II in Engineering Pathways
- ✓ Cert III in Engineering – Fabrication Trade
- ✓ Short courses in basic welding and safety





WHAT IS AN APPRENTICESHIP?

- ✓ 4 year contract between you and your employer
- ✓ 960 hours of training at TAFE (approximately 24 weeks in total)
- ✓ 8 to 10 TAFE blocks per year for 3 years
- ✓ Completed Cert II in Engineering Pathways

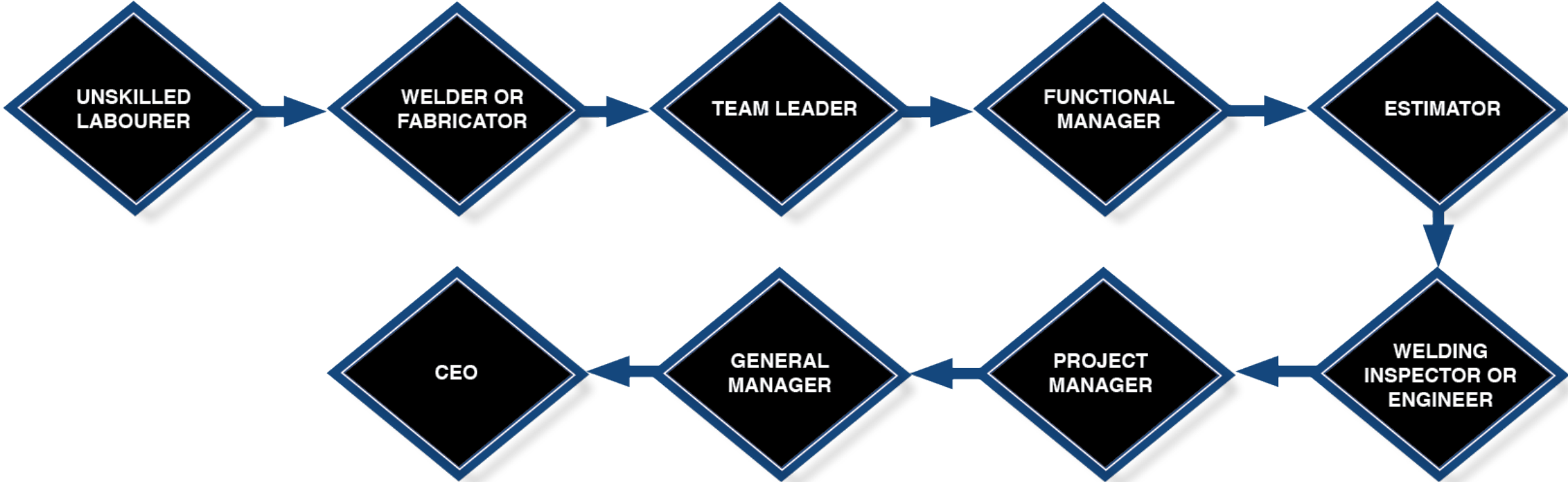


CERTIFICATE II IN ENGINEERING: SKILLS GAINED

- ✓ Welding: Stick, TIG, MIG and OXY
- ✓ Fabrication: Sheet metal and structural steel
- ✓ Machining: milling, shaping, grinding and thermal cutting
- ✓ Interpreting and drafting drawings, measuring and calculating



CAREER PATHWAY



EMPLOYMENT AVAILABLE

A wide range of employment opportunities are available now:

- ✓ Skilled and unskilled labour
- ✓ Estimating
- ✓ Project management and team leadership
- ✓ Machine operators
- ✓ Transport and warehouse logistics
- ✓ OH&S, quality, compliance and sustainability roles
- ✓ ICT (Information, communications and technology)
- ✓ Customer service
- ✓ Mechanical and structural engineers
- ✓ Drafting and shop detailing
- ✓ Steelwork erection
- ✓ Crane docking
- ✓ Welding inspection and engineering





ENGINEERING FABRICATION
BOILERMAKER



STEEL FABRICATION: SHAPING OUR WORLD

Welding and steel fabrication has a profound impact on our daily lives. From the cars we drive, and the houses we live in, to the roads and bridges we travel across every day, the steel fabrication industry shapes our world.





ENDLESS POSSIBILITIES

Welding can be done anywhere; inside a workshop or outside on a construction or mine site, underwater and even in outer space. There really is something for everyone in the welding industry, from hands-on pipe welding to high-tech robotics, and building a racing car.



COUNTLESS INDUSTRIES

Welding is needed in just about every industry: Defence, Mining, Building and Construction, Transport, Manufacturing, Gas, Power Transmission, Renewable Energy, Agriculture, Food and Beverage, Aquaculture and more.

