



CAREERS IN STEEL FABRICATION



AUSTRALIAN STEEL INSTITUTE

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NSW / ACT 2020

02 8748 0180 | www.steel.org.au



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.



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



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



THE PAY YOU COULD EXPECT*

Qualified trades earn \$28 to \$36 per hour as a full-time employee in New South Wales.

The casual hourly rate is approximately 20% higher.

Team leaders, managers, and other roles can earn \$80,000 to \$140,000 per annum in New South Wales.

* The pay rates shown are indicative only and subject to change.



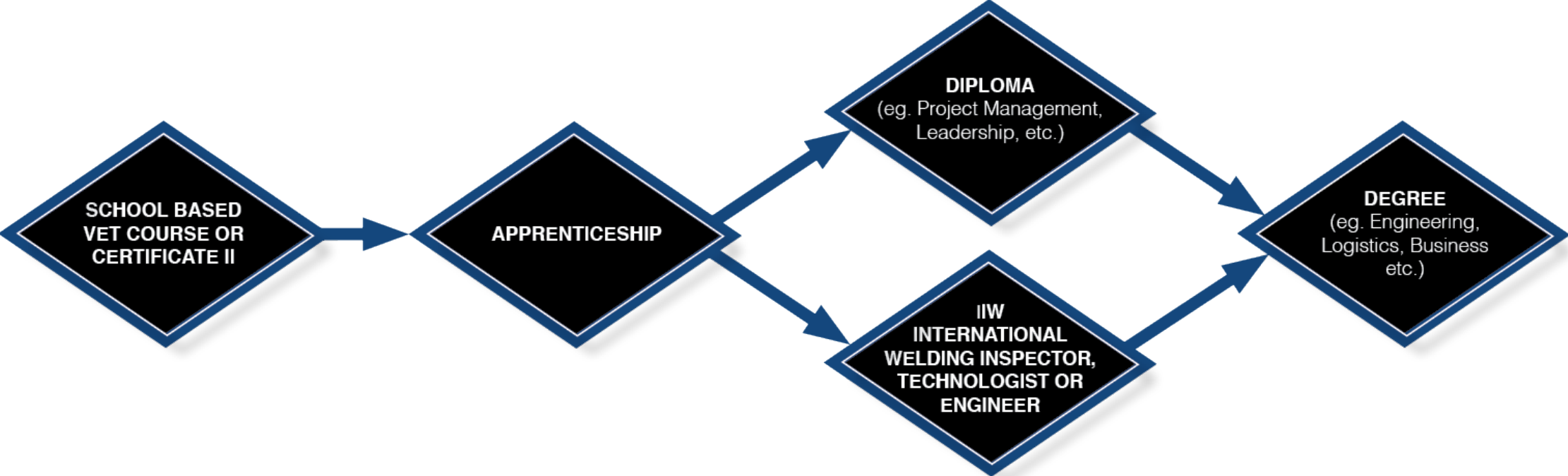


THE SKILLS YOU'LL NEED

- ✓ 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 major cities and regional areas of NSW offer training in steel fabrication and welding, including:

- ✓ Certificate 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
- ✓ Certificate III in Engineering – Fabrication Trade

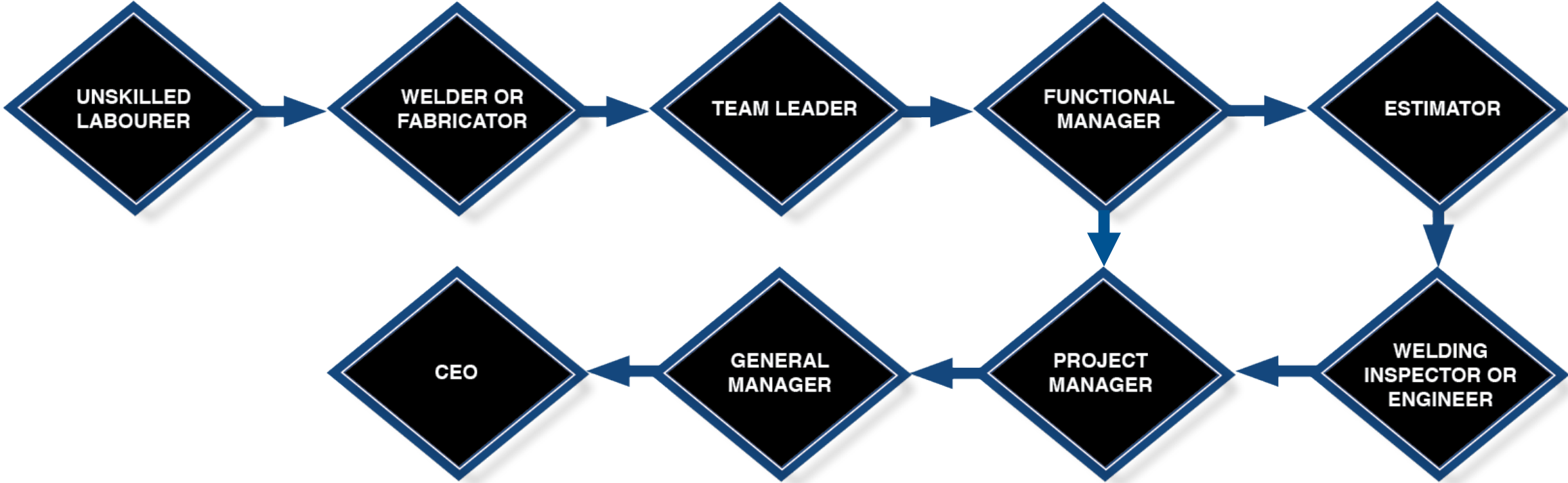


CERTIFICATE II IN ENGINEERING: SKILLS GAINED

- ✓ 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





WHERE TO NOW?

For further information:

- ✓ Speak to your careers counsellor or VET coordinator
- ✓ Visit: www.tafensw.edu.au
- ✓ Visit: www.mskills.org.au
- ✓ Visit: www.steel.org.au



CHECK OUT YOUR LOCAL FABRICATORS

Leed Steel Pty Ltd	513 Atkins street	Albury	https://leedsteel.com.au/
Outdoor Fabrications Pty Ltd	12 McCormack Street	Arndell Park	http://www.outdoorfabrications.com.au/
AJM United	5 Junction Street	Auburn	http://ajmunitied.com.au/
Fabrellas Industries	4/12 Anderson St	Banksmeadow	http://www.fabrellasindustries.com/
Algon Steel	7 Pippita Close	Beresfield	http://www.algonsteel.com.au/
Gonzalez Steel	7 Pippita Close	Beresfield	https://gonzalezsteel.com.au/
Halley and Mellowes (HMA)	10 Hereford Street	Berkeley Vale	https://hmagrp.com/
Edcon Steel Pty Ltd	Unit 3A, 9-13 Winbourne Road	Brookvale	https://www.edconsteel.com.au/
Engineering Fabricators Newcastle	56 Forbes Street	Carrington	https://www.efnewcastle.com.au/
WGE Pty Ltd	151-153 Five Islands Road	Cringila	https://www.wgegroupp.com/
Designed Building Systems	144 Sackville Street	Fairfield	https://www.designedbuildingsystems.com.au/
Hard Bakka - Steel Fabrication	Unit 2/7 Seville St	Fairfield East	https://www.hardbakka.com.au/
Tasman Tanks	151 Glendenning Road	Glendenning	http://www.tasmantanks.com.au/
T. Sakkal Group Pty Ltd	110 Cattai Ridge Rd	Glenorie	http://www.sakkal.com.au/
Cosme-Australia Stainless Steel Fab	19 Lasscock Road	Griffith	http://www.cosme.com.au/
Erod Engineering NSW Pty Ltd	13-15 Cann St	Guildford	http://erod.com.au/
Ace Construction Australia	22 York Road	Ingleburn	http://www.acerig.com/
Cullen Steel Fabrications	26 Williamson Road	Ingleburn	https://www.cullensteel.com.au/
Alfabs Engineering Group	130 Mitchell Avenue	Kurri Kurri	https://www.alfabs.com.au/
C & V Engineering Services Pty Ltd	23 Church Avenue	Mascot	http://www.cvengineering.com.au/
Hayman Industries Pty Ltd	119 Airds Rd	Minto	https://www.haymanindustries.com.au/
Oz Metalwork	11 Cheney Place	Mitchell (ACT)	http://www.ozmetalwork.com.au/
Align H	Lot 102 Lackey Road	Moss Vale	https://www.alignconstructions.com.au/
Mudgee Engineering & Fabrication	2 Engineers Road	Mudgee	https://www.mudgeeengineering.com.au/
TTM Engineering	22 Groves Avenue	Mulgrave	https://www.ttmengineering.com.au/
NEPEAN Engineering & Innovation	23 Grahams Hill Road	Narellan	http://www.nepean.com/building
Hutchins Bros Pty Ltd	25-27 Driscoll Road	Narrandera	https://www.hutchinsbros.com.au/
Metwest Engineering	18 Lee Holm Road	North St Marys	http://www.mwe.com.au/
Amarcon Group	18-20 Lucca Road	North Wyong	http://www.amarcon.com.au/
Hort Enterprises	258 Clergate Rd	Orange	https://www.hortenterprises.com.au/
ILB NSW	24-28 Lords Place	Orange	https://www.ilbnsw.com.au/
Forefront Services	3B Stephen Place	Orange	https://www.forefrontservices.com.au/



CHECK OUT YOUR LOCAL FABRICATORS

Chess Engineering	101 Fairford Road	Padstow	https://www.chessindustries.com.au/
Combell Steelfab Pty Ltd	51 Jemma Road	Prestons	https://combell.com.au/
F3 Industries Pty Ltd	Unit 2, 11 Enterprise Circuit	Prestons	
ACT Steelworks	32 Faunce Street	Queanbeyan	https://actsteelworks.com.au/
Walpett Engineering Pty Ltd	48 Hinckman Street	Queanbeyan	
Weldcraft Engineering (ACT) Pty Ltd	79 Thuralilly Street	Queanbeyan East	
Brolton Group Pty Ltd	69 Princes Street	Riverstone	https://brolton.com.au/
Fabinox	67 Melbourne Road	Riverstone	http://www.fabinox.com.au/
S&L Steel	59 Glendenning Road	Rooty Hill	https://www.slsteel.com.au/
HF Hand Constructors Pty Ltd	26 Benjamin Close	Sancrox	https://www.hfhand.com.au/
Ferrocom	12 Anvil Road	Seven Hills	https://www.ferrocom.com.au/
Advanced Steel Design	6 Warren Place	Silverdale	http://www.advancedsteeldesign.com.au/
Australian Structural Steel Pty Ltd	36 Day St North	Silverwater	https://australianstructuralsteel.com.au/
AWI Steel Pty Ltd	36 Day Street North	Silverwater	http://www.awisteel.com.au/
Charles Heath Industries	18 Britton Street	Smithfield	https://www.charlesheath.com.au/
Wexford Welding	68 Victoria Street	Smithfield	https://www.wexfordwelding.com.au/
Precision Oxycut	106 Long Street	Smithfield	https://precisionoxycut.com.au/
Borg Manufacturing	2 Wella Way	Somersby	https://www.borgmanufacturing.com.au/
Pacific Steel Constructions Pty Ltd	Unit 1, 4 Maxim Place	St Marys	http://www.pacificsteel.net/
Belmore Engineering	47 Showground Road	Tamworth	https://www.belmoreengineering.com.au/
CIVMEC Construction and Engineering	40 Old Punt Road	Tomago	https://www.civmec.com.au/
Veolia Fabrication	16-18 Enterprise Drive	Tomago	
Riton Engineering Pty Ltd	101 Gavenlock Road	Tuggerah	https://www.riton.com.au/
Piper & Harvey Steel Fabrications Pty Ltd	51 Tasman Road	Wagga Wagga	https://piperharveysteelfab.com.au/
Rambler Welding Industries Pty Ltd	39 Lewington Street	Wagga Wagga	https://ramblerwelding.com.au/
Kotzur Pty Ltd	60 Commercial St	Walla Walla	https://kotzur.com/
OTF Steel fabrication	300 Manns Rd	West Gosford	https://www.ontimefab.com.au/
Flame-Cut Pty Ltd	68 Elizabeth Street	Wetherill Park	https://www.flame-cut.com.au/
Mario & Sons Steel Fabrication Pty Ltd	189-193 Newton Road	Wetherill Park	
Metal Projects	3/211 Newton Rd	Wetherill Park	https://metalprojects.com.au/
Precision Metal Group Aust Pty Ltd	Unit 1/472 Victoria St	Wetherill Park	https://www.precisionmetalgroup.com/
Universal Steel Construction Pty Ltd	52-54 Newton Road	Wetherill Park	https://www.universalsteel.com.au/

