



Gilmore
COLLEGE

SENIOR SCHOOL VET PATHWAY

(VOCATIONAL EDUCATION TRAINING)

(Years 11-12)



Where quality teaching and learning drive success, and connection inspires growth.

Acknowledgement of Country

We acknowledge the Whadjuk people of the Noongar nation as the traditional custodians of this Country and its waters, and that Gilmore College stands on Noongar Country. We pay our respects to Noongar Elders past and present and acknowledge their wisdom and advice in our teaching and cultural knowledge activities.



Gilmore
COLLEGE

Contents

04 Introduction

Specialist Programs

06 Gilmore Electrical and Metals

10 Process Plant Operations

12 Construction Pathways

Standalone Certificates

15 VET Certificates





INTRODUCTION

Overview

Vocational Education and Training (VET) programs may suit students who like a more practical, hands-on approach to schooling.

VET offers students a combination of education and industry training whilst in Years 10, 11 and 12. Units of Competency – linked to a certificate course – are a part of VET, either delivered at school, through a Registered Training Organisation (RTO) or completed in the workplace.

Students also participate in Workplace Learning courses. They aim to provide all students with the knowledge, workplace skills and attitudes valued within work environments, as a preparation for employment. Specific technical skills and knowledge learnt during formal education help students gain and keep employment. Generic work-related skills that are transferable, are vital to all forms of employment in today's world.

VET Programs

The VET pathway currently offers students 4 Specialist Programs and 4 Standalone Certificates, which can be selected in conjunction with other subjects.

Our Specialist Programs are Gilmore Electrical and Metals (GEM), Process Plant Operations (PPO) and Building and Construction. The Standalone Certificates are Certificate III Information Technology, Certificate II Workplace Skills, Certificate III in Aviation - Remote pilot, Certificate III Fitness and Certificate II Salon Assistant.

Gilmore College has built significant industry partners that continue to grow with the Peron Trade Training Centre (PTTC) getting more recognition as a talent pool for Industry.

Recognition Day

Recognition Day has become an annual event where our key sponsors and partners are invited to witness our new PPO and GEM students being welcomed into the programs and our Year 12 students graduating.

SPECIALIST PROGRAMS



A young man with short brown hair, wearing safety glasses and a high-visibility yellow shirt with a dark blue collar, is looking towards the camera in a workshop setting. He is holding a pair of pliers. In the background, there are brick walls and fluorescent lights. In the foreground, there are blueprints on a table.

Gilmore Electrical and Metals

DELIVERED BY GILMORE
COLLEGE AND SOUTH
METROPOLITAN TAFE

CERTIFICATE II

2 YEAR COURSE

GILMORE ELECTRICAL AND METALS PROGRAM

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ABOUT

The Gilmore Electrical and Metals (GEM) Program is an exciting course that will provide graduates with two Certificates - Certificate II in Electrotechnology (Career Start) and Certificate II in Engineering Foundations. Students will learn from experienced industry professionals in state-of-the-art learning facilities specifically designed for hands-on industrial learning.

By gaining two Certificates, students will have multiple career paths and further education opportunities in both the electrical and engineering fields. The qualifications provide grounding in safety, with the basic skills and knowledge to work in any electrotechnology or engineering discipline. The course includes a compulsory 150-hour workplace learning component in Year 12, providing students with valuable industry experience and opportunities to apply theory in real-world settings.

WHERE

Peron Trade Training Centre - Process Engineering Centre for Excellence – Gilmore College, Orelia

South Metropolitan Tafe - Rockingham

Gilmore College Workshops - Gilmore College, Orelia

WHEN

Year 11 - Students attend one day per week at the Peron Trade Training Centre.

Year 12 - Students attend one day per week at South Metropolitan TAFE Rockingham.

SELECTION CRITERIA

Minimum Requirements:

- Attendance – minimum 80%.
- Behaviour – no suspensions or ongoing behavioural issues.
- Reports – minimum C average with maths and science the focus.
- OLNA - students need to have passed their Online Literacy and Numeracy Assessment.

CAREER PATHWAYS

Electrical:

Electrician (Independent, maintenance, mining, construction), Instrument Electrical Technician, Electrical Fitter, Electronic Equipment Trades and Electrical Servicing Trades.

Mechanical:

Plant Mechanic, Heavy Duty Mechanic, Electroplater, Fitter, Metal Machinist, Refrigeration, Mechanic and Tool Maker.

Fabrication:

Welder, Sheet Metal Worker, Boilermaker, Shipwright, and Pattern Maker.

COURSE OUTLINE



YEAR 11

UEE22020 Certificate II in Electrotechnology (Career Start)

- UEECD0007** Apply work health and safety regulations, codes and practices in the workplace
- UEECD0008** Carry out preparatory energy sector work activities
- UEECD0009** Carry out routine work activities in an energy sector environment
- UEECD0020** Fix and secure electrotechnology equipment
- UEECD0021** Identify and select components, accessories and materials for energy sector work activities
- UEECD0038** Provide solutions and report on routine electrotechnology problems
- UEECD0046** Solve problems in single path circuits
- UEECD0052** Use of routine equipment/plant/technologies in an energy sector environment
- UEEIC0013** Develop, enter and verify discrete control programs for programmable controllers
- UEERE0021** Provide basic sustainable energy solutions for energy reduction in residential premises
- CPCCWHS1001** Prepare to work safely in the construction industry

YEAR 12

52913WA Certificate II in Engineering Foundations

- MEM05004** Perform routine oxy fuel gas welding
- MEM05005** Carry out mechanical cutting
- MEM05006** Perform brazing and/or silver soldering
- MEM11011** Undertake manual handling
- MEM12023** Perform engineering measurements
- MEM13015** Work safely and effectively in manufacturing and engineering
- MEM14006** Plan work activities
- MEM16006** Organise and communicate information
- MEM16008** Interact with computing technology
- MEM18001** Use hand tools
- MEM18002** Use power tools/hand held operations
- MEMPE002** Use electric welding machines
- MSMENV272** Participate in environmentally sustainable work practices



GOLD MEDALLISTS



Year 12 GEM students Riley M and James F

GEM Students Shine at WorldSkills Competition

The **Gilmore Electrical and Metals (GEM) Program** has once again proven its reputation for excellence, with students James and Riley winning gold at the regional VETiS WorldSkills competition and securing their spots at the WorldSkills Australia National Championships.

James topped the Metals and Engineering category, while Riley claimed gold in Electrotechnology, both crediting the GEM program for giving them a clear edge over the competition.

"This program basically gave us an edge over our competitors at regional, and with the continued support of the experienced staff at Gilmore College, we hope to go on to win gold at a national level," Riley said.

The GEM program's hands-on approach, including one-on-one mentoring and advanced training, has fast-tracked students' skills, opened pathways to employment, and continued Gilmore College's legacy of success at the highest level.

These rising stars will now compete in Australia's largest vocational education and skills excellence competition, where they will showcase their talents and benchmark their skills against the nation's best.

Gilmore College is not just preparing students for success—we're building champions.

Discover the GEM difference.

*At Gilmore
College, the future
is being built in
real time –
through sparks,
steel and standout
talent.*



Process Plant Operations

DELIVERED BY SOUTH METROPOLITAN TAFE AT THE PERON TRADE TRAINING CENTRE AND THE AUSTRALIAN CENTRE FOR ENERGY AND PROCESS TRAINING

CERTIFICATE II

2 YEAR COURSE

PROCESS PLANT OPERATIONS

CAREER PATHWAYS

- Process Plant Operator
- Chemical Plant Operator
- Gas or Petroleum Operator
- Mechanical Fitter
- Heavy Diesel Mechanic
- Instrument Electrician
- Mineral Processing Technician
- Engineer

CONTACT

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ABOUT

The Certificate II Process Plant Operations course is delivered by industry experienced educators in state-of-the-art processing facilities. Students gain qualifications to work as entry level Process Plant Operators, or in a range of careers in the resources sector including Mechanical Fitting, Instrumental Electrical and Heavy Diesel Mechanical. Graduates can also choose to advance their qualifications through further education and/or training. For example, graduates can complete their Diploma and Advanced Diploma of PPO as an alternative entry to University.

Process Plant Technicians control, monitor and maintain the machinery and equipment used to produce, refine and pump chemicals, oil, gas and petroleum. This is done via a control room and through hands-on work throughout a facility.

WHERE

Peron Trade Training Centre (Process Engineering Centre for Excellence)
– Gilmore College, Orelia.

SM TAFE/ACEPT - Munster

WHEN

Students attend one day per week at the Peron Trade Training Centre.

SELECTION CRITERIA

Minimum Requirements:

- Attendance – minimum 80%
- Behaviour – no suspensions or ongoing behavioural issues.
- Reports – minimum C average with maths and science the focus.
- OLNA - students need to have passed their Online Literacy and Numeracy Assessment.

COURSE OUTLINE

PMA20116 Certificate II in Process Plant Operations

Year 11

MSMWHS200 Work safely

MSMWHS110 Follow emergency response procedures

PMAOPS101 Read dials & indicators

PMAOPS280 Interpret process plant schematics

MSMPCII298 Make an object from metal

MEM09002B Interpret Technical Drawing

PMAOPS201 Operate fluid flow equipment

MSMSUP100 Apply workplace context to own job

Year 12

MSMENV272 Participate in environmentally sustainable work practices

MSMSUP102 Communicate in the workplace

PMAOPS246 Operate separation equipment

PMAOPS216 Operate Local Control Systems

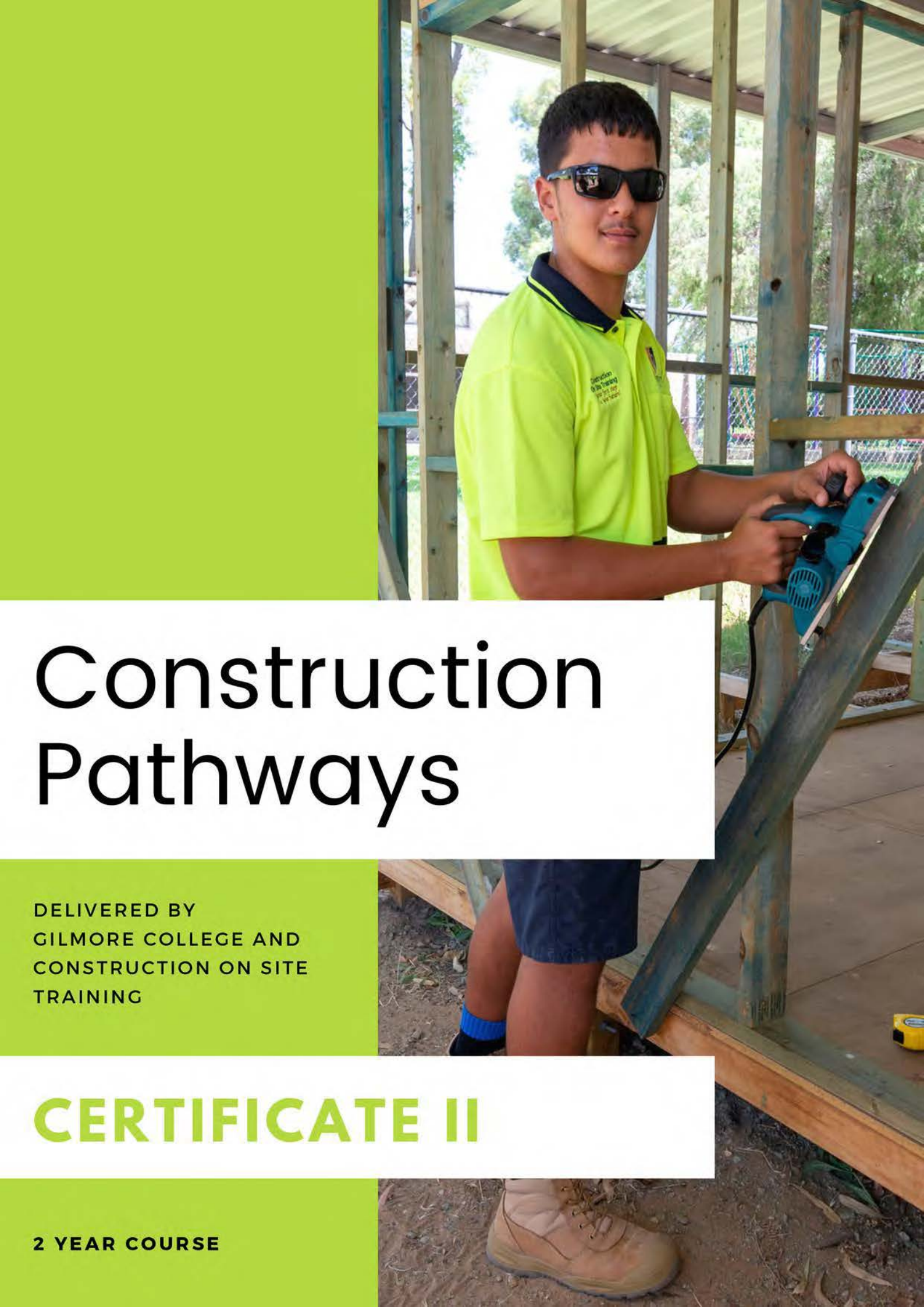
MSMOPS212 Use organisation computers or data systems

MSMPCII299 Make an object from plastic

PMAOPS205 Operate heat exchangers

MSMSUP292 Sample & test materials & product





Construction Pathways

DELIVERED BY
GILMORE COLLEGE AND
CONSTRUCTION ON SITE
TRAINING

CERTIFICATE II

2 YEAR COURSE

CERTIFICATE II CONSTRUCTION PATHWAYS

CAREER PATHWAYS

- Carpenter
- Bricklayer
- Shopfitter
- Tiler
- Painter
- Roofer

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ABOUT

The Construction Pathways Certificate II course provides students with a pathway to the primary trades in the construction industry. Students will gain the basic knowledge and skills suited to occupations such as joinery and shopfitting, as well as carpentry, bricklaying and other areas of general construction.

Students will undertake practical work under the supervision of a qualified trade professional in a designated area specifically designed to replicate a real-life construction site. Their work will cover all stages of construction including demolition, planning, preparation and building.

Where appropriate, students may have the opportunity to participate in workplace learning, allowing them to apply classroom theory in real construction and building environments.

Course graduates can use their qualification to apply for further education, or seek an apprenticeship within their chosen field.

WHERE

Gilmore College - Dargin Place, Orelia

Students will also be required to undertake work placement.

WHEN

Year 11 - Half day every Wednesday.

Year 12 - Half day every Wednesday.

SELECTION CRITERIA

Minimum Requirements:

- Attendance – minimum 80%
- Behaviour – no suspensions or ongoing behavioural issues.
- Reports – minimum C average.
- OLNA - students need to have passed their Online Literacy and Numeracy Assessment.

COURSE OUTLINE

CPCCCA2002 Use carpentry tools and equipment

CPCCCM2009 Carry out basic demolition

CPCCCM2012 Work safely at heights

CPCCCM2013 Undertake basic installation of wall tiles

CPCCOM1012 Work effectively and sustainably in the construction industry

CPCCOM1013 Plan and organise work

CPCCOM1015 Carry out measurements and calculations

CPCCVE1011 Undertake a basic construction project

CPCCWHS1001 Prepare to work safely in the construction industry

CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry

CPCCWP2001 Handle waterproofing materials and components

STANDALONE CERTIFICATES



Gilmore College

VET CERTIFICATES





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STANDALONE CERTIFICATES

In addition to the specialist VET programs offered at Gilmore College, the following standalone certificate options are also available to Year 11 and 12 students. These certificates can be selected in conjunction with other subjects, to help provide links to employment or further training.

Certificate II Workplace Skills

This qualification prepares students to enter the workforce in a variety of business services job roles. Students will carry out a range of basic procedural, clerical, administrative and operational tasks, that require self-management and technology skills.

Delivered in the Gilmore College Business Hub - a specialist area designed to replicate a real office environment.

Career Pathways: Receptionist, General Office Clerk, Data Entry Operator, Bank Worker, Customer Service Officer, Library Assistant.

Certificate III in Aviation (Remote Pilot) – Drones

This qualification provides students with the skills to master the art of professional drone piloting. Students will acquire the skills to operate a drone aircraft, launch control and recover a remotely controlled aircraft, perform operation inspections, and learn about laws and regulations.

This is a one-semester course delivered at Gilmore College Trade Training Centre.

Career Pathways: Commercial Licensed Drone Pilot, Air Transport Professional and Commercial Drone Pilot.

Certificate III Fitness

This qualification is a two-year course, delivered by South Metropolitan TAFE staff at Gilmore College. Upon completion, students will be ready to enter the workforce within a Gymnasium or a Recreation Centre. Students will learn the function of exercise instruction, assessing fitness levels, and the delivery of effective training programs.

Career Pathways: Gym Instructor, Group Exercise Instructor



Gilmore

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