



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

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# 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 bright yellow high-visibility shirt with a dark blue collar, is looking off to the side in a workshop setting. The background shows a brick wall and overhead fluorescent lights. The image is partially obscured by text boxes.

# Gilmore Electrical and Metals

DELIVERED BY GILMORE  
COLLEGE AND SOUTH  
METROPOLITAN TAFE

## CERTIFICATE II

2 YEAR COURSE

# GILMORE ELECTRICAL AND METALS PROGRAM

## CONTACT

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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



# A TESTAMENT OF EXCELLENCE



Former students Riley M and James F

## *GEM Students at Last Year's WorldSkills Competition*

The **Gilmore Electrical and Metals (GEM) Program** continues to demonstrate outstanding outcomes for its students, consistently supporting high levels of achievement and strong pathways into industry and further training.

Students from the Class of 2025, James and Riley, are a testament to the program's success and the opportunities it provides for dedicated students.

Having claimed gold in Metals and Engineering (James) and Electrotechnology (Riley) at last year's regional VETiS competition, the students went on to deliver exceptional performances at the WorldSkills Australia National Championships, where they benchmarked their skills against the best in the country.

James and Riley credited the GEM program for giving them a clear edge over the competition.

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.

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

***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

### Duncan Brown

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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

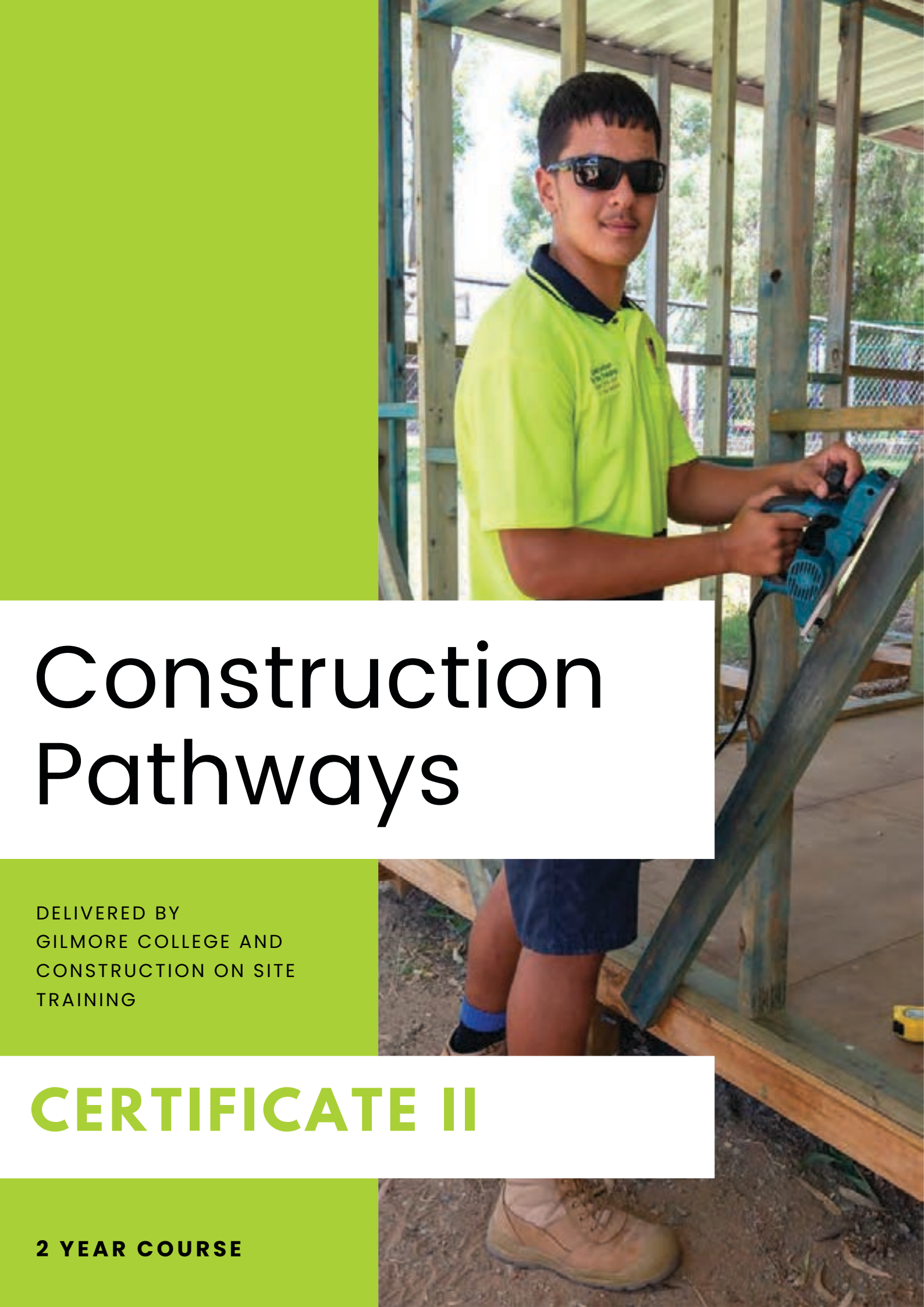
**PMAOPS216** Operate Local Control Systems

**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

## CONTACT

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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



# Gilmore College

**VET STANDALONE CERTIFICATES**

## 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*

### Certificate II Hospitality & Certificate II Commercial Cookery

This dual qualification provides students with the practical skills and knowledge to begin a career in the fast-paced hospitality industry. Students develop foundational skills in food preparation, customer service, kitchen operations and workplace safety. Delivered in our hospitality classroom and fully equipped commercial kitchen, the program offers a hands-on learning experience in a real-world environment.

*Career Pathways: café attendant, kitchen hand, barista, waiter/waitress, apprentice chef*

## CONTACT

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