Pathways explained...

School

VETiS Programs
- Certificate II in Automotive Electrical Technology
- Certificate II in Electrical Technology (Shared Technology)
- Certificate II in Engineering Studies

Pathway Programs
- Certificate I in Automotive Technology
- Engineering Technology

Post-secondary study at Holmesglen
Receive credits from completing your VETiS and Pathway programs to put toward studies at the Certificate level and higher.

School

Bachelor Degree

Advanced Diploma

Diploma

Certificates III & IV

Course and material fees
Students are advised to contact the Careers Practitioner or VET Program Coordinator in their school.

Attendance
Students are required to attend campus on the days of their program, during school terms.

Course dates
February to October. Normal school term breaks and public holidays apply.

Assessment
Assessment is based on competency, which is the ability to demonstrate specific skills, and a combination of observation, discussion and practical application projects. Written tests may also be required.

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www.holmesglen.edu.au

General course information

Applications
Entry is by application through the school by November 2010.

Enrolment
Students will be advised by their VET co-ordinator where and when classes start. Students are advised to bring along a pen, their Form number and proof of identity which may include a passport, learners permit, Keypass ID card, Consumer Affairs Victorian Proof of Age card – with photograph, Australian Government issued ID card – with photograph or birth certificate.

The VETiS instructor will advise students on how to enrol. After enrolment students will receive a student ID card and a student diary.

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Chadstone campus
Barkersford Road, Chadstone
(PO Box 42 Holmelegen 3148)
Telephone 03 9564 1555

Moorabbin campus
488 South Road, Moorabbin
(PO Box 42 Holmelegen 3148)
Telephone 03 9564 1555

Waverley campus
585 Waverley Road, Glen Waverley
(PO Box 42 Holmelegen 3148)
Telephone 03 9564 1555

The information contained in this newsletter was current at the time of printing and is subject to change without notice. Availability of courses is dependent upon Government funding and student demand. Due to re-accreditation changes may occur to the content and/or name of certain courses. Prospective students are advised to confirm details with Holmelegen prior to enrolment. It is recommended that information be verified prior to being acted upon. July 2010. © 2010, Holmelegen Institute of TAFE. Holmelegen is the trading name of Holmelegen Institute of TAFE.
VET in School Programs

The Vocational Education and Training in Schools (VETiS) Programs aim to provide students for further education, training and employment. Students who complete a VETiS course are awarded a nationally recognised certificate of qualification and VETiS courses can make up part of a VCE. For further details, visit www.holmesglen.edu.au/VETIS.

To enrol in a VETiS course students must be older than 14 years and 10 months, and be enrolled as a full time student in a secondary school. Students can only enrol in a VETiS program through their school.

VET certificates contribute to a students ATAR score. Some certificates offer an examination which will be held during the VCE examination period and provide a study score. Other certificates provide block credit which is used to enhance an ATAR score.

Advantages of a VET Certificate:
• nationally recognised qualification
• improved employment prospects
• credits towards further qualifications
• experience in industry

Certificate II in Automotive Electrical Technology

Course length
1 years

Timetable
Wednesday 8.30am - 4.30pm

Location
Moorabbin campus

Course description
This course is for students interested in accessory fitting for the automotive industry. It is also a great introduction to electrical studies for students who plan to develop the mathematical skills required to successfully undertake an electoratechnology course.

This qualification has been designed in consultation with the industry sector to meet the requirements of employers. Students will learn how to install and service sound systems, security systems, cellular phones, CB radios and lighting systems. This course includes a Structured Work placement which will be sourced by Holmesglen.

Subjects
• Apply safe working practices
• Implement and monitor environmental regulations in the automotive mechanical industry
• Carry out soldering of electrical wiring/circuit
• Establish relations with customers
• Build customer relations
• Remove and replace electrical/electronic units/ assemblies
• Install, test and repair electrical security systems/components

Special requirements
• Install ancillary electrical components
• Use and maintain measuring equipment
• Select, maintain or replace batteries
• Test and service outdoor powered equipment
• Identify, clarify and resolve problems

Further training and employment opportunities
All options will be fully explained during the course.

Career interests
• Automotive electrical

Certificate II in Electrotechnology (Shared Technology)

Course length
2 years

Timetable
Wednesday 8.30am - 4.30pm

Location
Moorabbin campus

Course description
This vocational electrical course is designed to provide an introduction for those interested in working in the electrical/electronics industries. It enables individuals to develop broad based competencies in a range of electrotechnology fields for basic lighting, general power, fire protection and security, robotics, instrumentation, optical data and voice systems and electrical motors and control systems. It also enables graduates to make more informed choices in the selection of vocational career paths and gain a recognised credential and credits for further training as an apprentice or trainee in the electrotechnology industry.

Subjects
Units 1 & 2
• Install, maintain and modify customer premises communication cabling – ACA restricted rule
• Carry out a shared technology project – Assembly and connect an extra low voltage battery power source
• Maintain rechargeable battery systems
• Implement a digital circuit using programmable logic devices
• Program a basic robotic system

Units 3 & 4
• Identify and select components/accessories/materials for electrotechnology work at a client's request
• Apply technologies and concepts to electrotechnology work activities
• Operate a small power supply system
• Install a sustainable extra low voltage energy power system

Special requirements
The course involves some mathematics at VCE level 10. Students who can not meet these mathematical requirements would be advised to consider Certificate II in Automotive Technology. Students are required to provide overall, work books and clear safety glasses.

Further training and employment opportunities
On completion of this course, students may move into other pre-apprenticeship or apprenticeships in either electrotechnology or refrigeration and air-conditioning. Other studies are available in electrotechnology fields for electrical, refrigeration at diploma, advanced diploma or degree level.

Career interests
• Air-conditioning
• Electrical
• Instrumentation
• Refrigeration servicing

Certificate II in Engineering Studies

Course length
2 years

Timetable
Wednesday 8.30am - 4.30pm

Location
Moorabbin campus

Course description
Engineers are interested in how things work and are employed to design, invent, create, maintain and improve everything from buildings to bridges and aeroplanes, to plastics and computers. This course aims to provide pre-employment training and pathways in the engineering manufacturing or related industries and accommodate entry into the wider engineering industry. It will provide students with the broad based training of competencies in a range of engineering skills such as basic machining, fabrication and use of tools. The Certificate II in Engineering Studies VET in Schools program is a state recognised pre-apprenticeship course. The 80 hours of work placement allows students to gain valuable work readiness and real world skills.

Subjects
Units 1 & 2
• Apply principles of occupational health and safety in the work environment
• Use hand tools
• Use power tools/handheld operations
• Develop an individual career plan for the engineering industry
• Perform basic machining processes
• Apply basic fabrication techniques
• Use computers for engineering related work activities
• Apply basic computational principles in engineering work activities

Units 3 & 4
• Apply electrotechnology principles in an engineering context
• Produce basic engineering sketches and drawings
• Use basic engineering concepts to plan the manufacture of engineering
• Handle engineering materials
• Produce basic engineering components and products using fabrication and machining
• Perform cutting, grinding and turning operations

Special requirements
• Install ancillary electrical components
• Use and maintain measuring equipment
• Select, maintain or replace batteries
• Test and service outdoor powered equipment
• Identify, clarify and resolve problems

Further training and employment opportunities
Students may be eligible for up to five unit credits towards their VCE. Students may also elect to undertake a Scored Assessment, to receive a contribution to the Australian Tertiary Admission Rank (ATAR), and to gain a study score.

Career interests
• Air-conditioning
• Electrical
• Instrumentation
• Refrigeration servicing

Certificate in Automotive Electrical Technology

Course description
Pathways programs provide students with the opportunity to commence training in their chosen industry while still attending secondary school. Pathways programs are delivered on campus at Holmesglen in specially designed facilities, where an emphasis is placed on providing hands on and practical training wherever possible.

Students will gain the skills and knowledge relevant to their chosen industry, and will complete modules directly from the corresponding Certificate I or IIT programs. Pathways programs are not suitable for students under 15.

Course length
1 semester (Students undertake approximately 135 hours of study)

Timetable
Friday 8.00am - 3.30pm

Location
Moorabbin campus

Course description
This pathway program will undertake practical training that is relevant to both the automotive and electrical industries.

Pathway Programs

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Timetable
Friday 8.00am - 3.30pm

Location
Moorabbin campus

Course description
This pathway program will undertake practical training that is relevant to both the automotive and electrical industries.

Electrical

Course length
1 year (Students undertake approximately 300 hours of study)

Timetable
Wednesday 8.30am - 4.30pm

Location
Moorabbin campus

Course description
This Pathways program incorporates units of competency taken directly from the Certificate II in Automotive Electrical Technology. Students may then articulate directly into the second stage or pursue the Certificate I in Automotive Electrical Technology. Individuals completing this Pathways program will also be well positioned to pursue many apprenticeship opportunities available in related fields. These extend across many industries, including electrical, automotive, engineering and fabrication.

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Course length
1 semester (Students undertake approximately 135 hours of study)

Timetable
Friday 8.00am - 3.30pm

Location
Moorabbin campus

Course description
This pathway program will undertake practical training that is relevant to both the automotive and electrical industries.

Engineering Technology

Course length
2 years (Students undertake approximately 240 hours of study)

Timetable
Friday 8.30am - 4.30pm

Location
Moorabbin campus

Course description
The Engineering Technology Pathways program incorporates units of competency taken directly from the Certificate I in Engineering. In this industry recognised program an emphasis is placed on practical training wherever possible. Students will complete training one day per week at Holmesglen for three terms, and one term of industry work placement with local employers, receiving the nationally accredited Certificate I in Engineering at completion.

Subjects
• Acquire routine use of acetylene welding
• Perform brazing and/or soldering
• Perform manual production welding
• Use workshop machines for basic operations
• Perform engineering measurements
• Undertake occupational health and safety in the workplace
• Apply principles of occupational health and safety in the work environment
• Plan to undertake a routine task
• Plan a complete activity
• Apply quality procedures
• Work with others in a manufacturing, engineering or related environment
• Use hand tools
• Use power tools/hand held operations

Special requirements
Students are required to provide overalls, work boots and clear safety glasses.

Further training and employment opportunities
Further training may be undertaken including the Certificate III in Engineering (Apprenticeship), Diploma of Engineering or Advanced Diploma of Engineering.

Through this range of nationally recognised qualifications students may pursue a variety of career opportunities, including qualified tradesperson (hydraulics, pneumatics, machining, maintenance CNC), sales engineer, CAD designer; programmer computer controlled machinery (CNC) and professional engineer.