

Certificate II in Integrated Technologies (3D Printing & Robotics) – VDSS

The Certificate II in Integrated Technologies includes basic electrical theory, electronic components, programmable logic devices, computer programming, 3D printing and applied design. The course is delivered using the project driven learning concept including minor project focussing on designing, building and programming an autonomous Sumo BattleBot and competing a round robin wrestling challenge. The major project involves designing, building and programming an autonomous scale model vehicle, then competing in a round robin.

Course Overview

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Proposed Units

- VU23113 Carry out an integrated technologies project
- VU23112 Use Computer Aided Drafting and Design software applications in integrated technologies work
- VU23111 Apply electrotechnology knowledge and skills in integrated technologies work
- VU23110 Use routine work practices in an integrated technologies environment
- VU23109 Prepare to work in an integrated technologies environment
- UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
- VU22340 Use 3D printing to create products
- ICTPRG302 Apply introductory programming techniques
- ICTSAS309 Maintain and repair ICT equipment and software
- VU22674 Explore applications and operation of the Internet of Things (IoT)

Pre-Requisites

Nil

Clothing and Equipment

Course Type

Accredited Course;
VDSS

Course Code

22586VIC

Campus

Warragul Baw Baw Skills
Centre

Completion

Full

Duration

2 Years

Scored Assessment

Yes

VET in VCE

Yes

Structured Workplace Learning

Strongly Recommended

- Branded uniform top will be provided
- Long pants
- Solid, closed in shoes

Pathways

Here are the next steps you could take in your education pathway:

- Certificate III in Engineering
- Certificate III in Electrotechnology

Potential Job Outcomes

- Electrician
- Computer Programmer
- Megatronics Engineering
- Engineer

Entry Requirements

NA

Course cost

For the course cost please visit the TAFE Gippsland website or call 1300 133 717.