

# TAFE GIPPSLAND

## Certificate II in Integrated Technologies (3D Printing & Robotics) 22289VIC

Campus: Leongatha and Warragul

Completion: Full	Duration: 2 Years	Scored assessment: Yes
VET in VCE: Yes	VCAL recognition: Yes	Block credit: Yes
Pre-requisites: Nil	Structured Workplace Learning: Strongly recommended	

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.

### Proposed units

Unit code	Unit name
MEM13014A	Apply principles of occupational health and safety in the work environment
VU21701	Carry out an integrated technology project
VU21702	Prepare for working in the integrated technology sector
ICAPRG301A	Apply introductory programming techniques
VU21388	Set up and test an embedded control system
VU21706	Create products using 3D printing
VU21703	Work in an integrated technology environment
VU21704	Use electrotechnology skills in integrated technology work
VU21705	Use software applications in integrated technology work
VU20906	Configure and program a basic robotic system

### Clothing & equipment

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

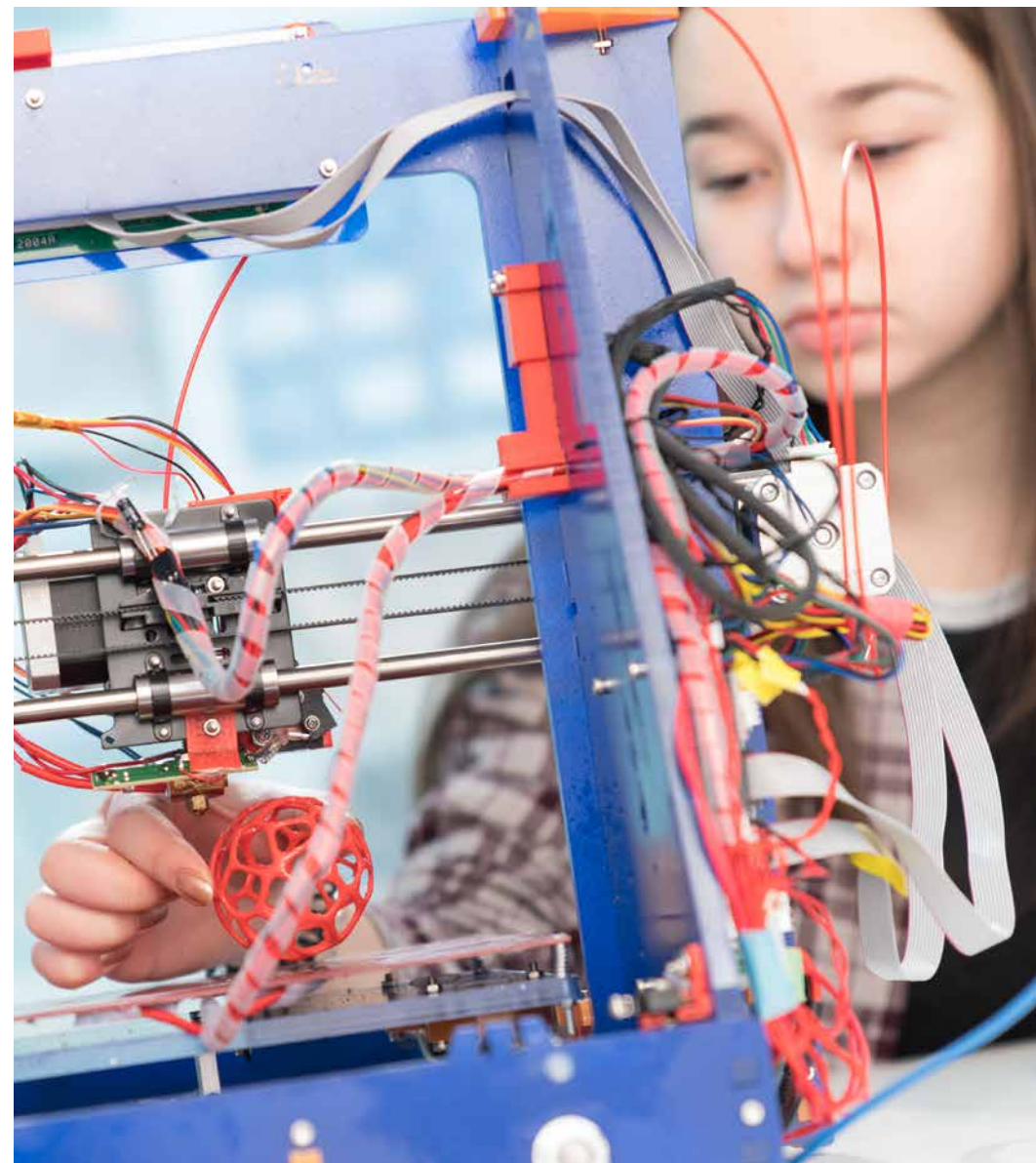
### Education Pathways

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



### Contact us

#### Janine Martin

VET DSS Liaison Officer

**P** 03 5127 0106 **E** vetdss@tafegippsland.edu.au

#### Tracey Doyle

VET DSS Liaison Officer

**P** 03 5150 4259 **E** vetdss@tafegippsland.edu.au