



BUNDABERG STATE HIGH SCHOOL
VOCATIONAL EDUCATION AND TRAINING (VET) PROGRAMS

RTO Name: Bundaberg State High School	RTO NO: 30038
VET Course Name: Certificate II in Manufacturing (Technology) BTEC	VET Course Code: MSM20216

BSHS Subject Name	Years	Subject Code	OP	QCE Credits	VET	Pre-requisite
Certificate II in Manufacturing (Technology)	12	VMY	NO	4	YES	YES

Head of Department: Mr Keith Holledge

Course Outline:

Certificate II in Manufacturing Technology is designed to provide students with an opportunity to gain knowledge that covers a broad range of Building, Furnishing and Engineering Manufacturing skills. Manufacturing Pathways provides access for students to complete Certificate II in Manufacturing (MSM20216) from the Manufacturing Training Package (MSA07) and is a nationally recognised qualifications.

This course is designed to deliver broad-based underpinning skills and knowledge using a range of engineering and manufacturing tasks to enhance entry- level employment prospects for apprenticeships, traineeships or general employment in an engineering related workplace. Students are encouraged to participate in structured work placement and seek possible school-based apprenticeships or traineeships.

Course Content:

Students will study the following Units of Competency:		
Certificate II in Manufacturing Technology (MSM)		STATUS
MSMENV272	Participate in environmentally sustainable work practices	Core
MSACMT251	Apply quality standards	Core
MSS402001	Apply competitive systems and practices	Core
MSACMT280	Undertake root cause analysis.	Core
MSMWHS200	Work Safely	Core
MSS402050	Monitor process capability	Elective
MSMPCII295	Operate manufacturing equipment	Elective
MSMPCII296	Make a small furniture item from timber	Elective
MSMPCII298	Make an object from metal	Elective
MSMPCII299	Make an object from plastic	Elective

Students may gain recognition for skills that they have acquired from paid part-time work to complete some Units of Competency.



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Assessment Outline:

This is a competency based course. Students will have a number of opportunities to demonstrate that they can competently complete the set activities over the course of study. Students will be assessed using a variety of techniques such as:

- Formal learning and assessment
- Off the job workshop simulation
- One on one face to face delivery and assessment
- Other forms of assessment can include folios of work, in-class tests, scenario based activities, internet activities, simulated workplace activities and teacher observation.

Career Pathways:

Automotive Mechanical, Boilermaker, Fitter and Turner, Metal Manufacture, Tool and Die Setter, Shipwright, Metal Trade Assistant, Builder, Carpenter, Wood machinist, Bricklayer, Solid Plasterer, Ceramic tiler, Painter, Form worker, Concreter, Roof tiler, Steel Fixer, Construction worker Cabinet Maker and furnishing industries. Further information can be obtained from: <http://www.myfuture.com/>

Potential Activities:

Students are provided with the opportunity to do Structured Workplace Learning where they are provided with the opportunity to work in the 'real world'. Students will be working on projects involving metal and wood.

Costs:

There will be additional costs involved in this course for materials used. Students, through their resource hire fee, have access to the photocopied class materials, internet, email facilities, required texts, software and hardware.

Student Requirements:

Students should have successfully completed Certificate I in Manufacturing Pathways before undertaking Certificate II in Manufacturing Technology.

Prerequisites for this course is students should have displayed a sound level in English and Mathematics. Knowledge of hand skills obtained from completing one of the Junior Manual Arts courses would be an advantage. Students must be prepared to participate fully and enthusiastically in class projects and outdoor projects around the school. A home computer with internet is recommended for completing online OnGuard assessment tasks.

Students are required to provide Safety Boots, Overalls (Drill Press style) Bundaberg State High School will supply Eye and Earing Protection. A home computer with internet is recommended for completing online Bluedog tasks.



Student Information:

Bundaberg State High School does not guarantee that students will complete their qualification or Units of Competencies, however at Bundaberg State High School VET tracking/case-management of students is in place as a checking system to see that student are progressing towards completions. We encourage parent and student communication in this process. We also do not guarantee an employment outcome upon completion. Qualifications must be completed in a manner that meet the VET Standards for RTO's 2015.



All information is correct at time of publication but subject to change.