



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 Sampling and Measurement	VET Course Code: MSL20116

BSHS Subject Name	Years	Subject Code	OP	QCE Credits	VET	Pre-requisite
Certificate II in Sampling and Measurement	12	VSM	-	4	YES	Year 10 Science

Head of Department: Ms Manju Prasad

Course Outline:

This course provides access for students to complete Certificate II in Sampling and Measurement from the Bundaberg State High School Training Package and is a nationally recognised qualification.

This qualification covers the skills and knowledge required to perform a range of sampling and measurement as part of laboratory, production or field operations in the construction, manufacturing, resources and environmental industry sectors.

Course Content:

Certificate II in Sampling and Measurement	
Students are required to complete 8 Units of Competency – 4 Core Units and 2 Electives Unit from those listed below.	
MSMENV272	Participate in environmentally sustainable work practices
MSL912001	Work within a laboratory/field workplace (induction)
MSL922001	Record and present data
MSL943002	Participate in laboratory/field workplace safety
<i>MSL952001</i>	<i>Collect routine site samples</i>
<i>MSL972001</i>	<i>Conduct routine site measurements</i>
<i>MSL973001</i>	<i>Perform basic tests</i>
<i>MSL973002</i>	<i>Prepare working solutions</i>

Assessment Outline:

This is a competency based course. Students will have a number of opportunities (generally three) 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 folios of work, in-class tests, scenario based activities, internet activities, simulated workplace activities and teacher observation.

Career Pathways:

This qualification is designed for people seeking a pathway into entry level technical training for sampling and measurement skills applied across a range of industries including; manufacturing, construction, environmental, resources and food industry. The pathway may include Australian Cadetships (Year 9-10 foundation programs)

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Approval 1: Curriculum HOD

Approval 2: Senior Secondary HOD/VET Pathways





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and a Certificate II qualification (Pre-apprenticeship). Skills and knowledge will also be developed through structured workplace learning.

This qualification may interest:

- Students who are interested in Science but are choosing not to follow an OP pathway
- Students seeking an OP score but are interested in participating in the program as an extra subject/qualification
- Students wanting some Units of Competency. The school may map the Units of Competency to existing Science subjects.

This qualification applies to the RTO school learning and assessment environment where access to normal operations is not available. The delivery and assessment will be in a simulated or trial industry environment with a high degree of supervision. The Units are suitable for the school to contextualise the competencies to local industry activities and industry partners. A key industry partner is Manufacturing Skills Queensland and Bundaberg Brewed Drinks.

Potential Activities:

The program will be delivered through class-based tasks that will simulate a specific industry environment. In addition, all students have the opportunity, through the schools' Workplace Training or VET Coordinator, to locate and organise work placements over the two years.

A range of teaching and learning strategies will be used to deliver the competencies. These include:

- Practical tasks
- Group work
- Simulated work activities
- Projects
- Excursions
- Work placements

The RTO will have an agreement with students advising which Units of Competency and/or qualification will be offered to the students during their enrolment. Students may be able to achieve competency in the Units shown in the table below. Should this not happen for some students, then further opportunities will be given through the remainder of the course. If a student enters a course late, it may not be feasible for all competencies to be achieved.

Students will be offered the opportunity to RPL units of competency through the course.

Reasonable adjustments to assessment will be made by class teachers in consultation with special needs teachers as required to meet individual student needs.

Some assessment will be conducted in the field during field trips. Those students doing work placements, may have some negotiated assessment completed in the workplace.

Costs:

This course is a skills based course with a wide range of activities undertaken. Field studies and excursions will be an integral component of the topics studied. Costs are approximately \$40 for excursions and materials.

Student Requirements:

It is recommended that students enrolling in this course should have completed Science, Maths and English in Year 10.



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Students will need to provide:

- Pencil case containing: pens, glue, scissors, ruler and calculator
- Scientific calculator
- Two 48 page exercise books for learning logs

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.

