

## Manufacturing (Pathways)

**AQF VET qualification:** MSM10216 Certificate I in Manufacturing (Pathways)

**Training Package:** MSM Manufacturing (version 2.1)

BOSTES course name	BOSTES course number	Schools Online (Administration) entry advice
Manufacturing (Pathways)	82451	<p>This course number should always be entered as a 'Year 10' entry.</p> <p>This applies to students doing the course in either Year 9 or Year 10.</p> <p>The course entry needs to be made in the calendar year that the course is undertaken.</p>

**Exclusions:** Nil

### Stage 5 course requirements

This course will be credentialled as a 100-hour elective study on the Record of School Achievement (RoSA).

Students must attempt:

- all core units of competency (totalling 45 indicative hours)
- one industry/technical unit of competency (10 indicative hours)
- elective units of competency to a minimum of 45 indicative hours and to meet qualification packaging rules.

It is strongly recommended that project and work-based learning opportunities be used as a teaching and learning strategy throughout the course. These could include group project work, individual research or other activities that meet the learning needs of students. There is a range of career, enterprise and work education programs currently operating in schools that may be linked to the Manufacturing (Pathways) course.

Students must satisfy the course completion criteria as required by the Board of Studies, Teaching and Educational Standards NSW (BOSTES). Refer to the [Assessment Certification Examination \(ACE\) website](#). There must be sufficient evidence that the student has:

- followed the course developed or endorsed by BOSTES
- applied themselves with diligence and sustained effort to the set tasks and experiences provided in the course
- achieved some or all of the course outcomes.

## Course content

### CORE

Unit code and title	Status for AQF VET qualification	Indicative hours of credit
<a href="#">MSMPCI101</a> <a href="#">Adapt to work in industry</a>	core	15
<a href="#">MSMPCI102</a> <a href="#">Apply effective work practices</a>	core	15
<a href="#">MSMPCI103</a> <a href="#">Demonstrate care and apply safe practices at work</a>	core	15

**Total indicative hours for core units of competency: 45**

### ELECTIVE

Unit code and title	Status for AQF VET qualification	Indicative hours of credit
<b>Industry/technical</b>		
<a href="#">MSMPCII296</a> <a href="#">Make a small furniture item from timber</a>	elective – Group A	10
<a href="#">MSMPCII297</a> <a href="#">Make an object from cloth using an existing pattern</a>	elective – Group A	10
<a href="#">MSMPCII298</a> <a href="#">Make an object from metal</a>	elective – Group A	10
<a href="#">MSMPCII299</a> <a href="#">Make an object from plastic</a>	elective – Group A	10
<b>Other</b>		
<a href="#">MEM03001B</a> <a href="#">Perform manual production assembly</a>	elective – Group B	35
<a href="#">MEM05007C</a> <a href="#">Perform manual heating and thermal cutting</a>	elective – Group B	10
<a href="#">MEM05012C</a> <a href="#">Perform routine manual metal arc welding</a>	elective – Group B	20
<a href="#">MEM18001C</a> <a href="#">Use hand tools</a>	elective – Group B	20
<a href="#">MEM18002B</a> <a href="#">Use power tools/hand held operations</a>	elective – Group B	20
<a href="#">MSFFM1002</a> <a href="#">Operate basic woodworking machines</a>	elective – Group B	15
<a href="#">MSFFM2001</a> <a href="#">Use furniture making sector hand and power tools</a>	elective – Group B	25
<a href="#">MSFFM2002</a> <a href="#">Assemble furnishing components</a>	elective – Group B	15
<a href="#">MSFFM2003</a> <a href="#">Select and apply hardware</a>	elective – Group B	10
<a href="#">MSFFM2005</a> <a href="#">Join solid timber</a>	elective – Group B	10

<b>Unit code and title</b>	<b>Status for AQF VET qualification</b>	<b>Indicative hours of credit</b>
<a href="#">MSFSF1001</a> <a href="#">Produce basic soft furnishing accessories</a>	elective – Group B	15
<a href="#">MSFSF2001</a> <a href="#">Cut single layer fabrics</a>	elective – Group B	15
<a href="#">MSMOPS100</a> <a href="#">Use equipment</a>	elective – Group B	10
<a href="#">MSMOPS101</a> <a href="#">Make measurements</a>	elective – Group B	15
<a href="#">MSMOPS102</a> <a href="#">Perform tasks to support production</a>	elective – Group B	15
<a href="#">MSMOPS244</a> <a href="#">Lay out and cut materials</a>	elective – Group B	15
<a href="#">MSTCL2001</a> <a href="#">Use a sewing machine</a>	elective – Group B	10
<a href="#">MSTCL2006</a> <a href="#">Press work</a>	elective – Group B	10
<a href="#">MSTCL2007</a> <a href="#">Lay up, mark and cut uncomplicated fabrics and lays</a>	elective – Group B	15
<a href="#">MSTCL2008</a> <a href="#">Finish garment production</a>	elective – Group B	10
<a href="#">MSTGN2011</a> <a href="#">Identify fibres, fabrics and textiles used in the TCF industry</a>	elective – Group B	25
<a href="#">PMBFIN201</a> <a href="#">Finish products and components</a>	elective – Group B	20
<a href="#">PMBFIN205</a> <a href="#">Hand decorate products</a>	elective – Group B	20
<a href="#">PMBPREP205</a> <a href="#">Assemble materials and equipment for production</a>	elective – Group B	20
<a href="#">PMBPREP206</a> <a href="#">Prepare materials to formulae</a>	elective – Group B	20
<a href="#">PMBPROD236</a> <a href="#">Operate hand held air/power equipment for production processes</a>	elective – Group B	20
<a href="#">PMBPROD240</a> <a href="#">Cut materials</a>	elective – Group B	20
<a href="#">CPCCCM1011A</a> <a href="#">Undertake basic estimation and costing</a>	elective (max 3)	25
<a href="#">CPCCOHS2001A</a> <a href="#">Apply OHS requirements, policies and procedures in the construction industry</a>	elective (max 3)	15
<a href="#">CPCCVE1011A</a> <a href="#">Undertake a basic construction project</a>	elective (max 3)	15
<a href="#">CPCCWHS1001</a> <a href="#">Prepare to work safely in the construction industry</a>	elective (max 3)	10
<a href="#">MEM11011B</a> <a href="#">Undertake manual handling</a>	elective (max 3)	5
<a href="#">MEM16008A</a> <a href="#">Interact with computing technology</a>	elective (max 3)	10

## **AQF VET qualification**

Qualification packaging rules are contained in the [MSM Manufacturing Training Package](http://training.gov.au) at <http://training.gov.au>.

In summary, to attain [MSM10216 Certificate I in Manufacturing \(Pathways\)](#) students must achieve 9 units of competency including:

- a) 3 core units of competency
- b) 6 elective units of competency:
  - 1 unit from of competency from Group A
  - 5 units of competency from Group B, 3 of which may be selected from the MSM Training Package, other endorsed Training Packages and/or accredited courses where those units are packaged in a Certificate I or II.

## Other information

### Criteria for the endorsement of Board Endorsed VET courses (VET BECs)

The criteria for endorsement of VET BECs are outlined in the *Guidelines for Stages 5 and 6 Board Endorsed VET Courses* available on the BOSTES website at [www.boardofstudies.nsw.edu.au/voc\\_ed/board-endorsed-courses.html](http://www.boardofstudies.nsw.edu.au/voc_ed/board-endorsed-courses.html).

### Stage 5 VET course delivery

Information is available on the BOSTES website at [www.boardofstudies.nsw.edu.au/voc\\_ed/stage-5.html](http://www.boardofstudies.nsw.edu.au/voc_ed/stage-5.html).

Stage 5 VET courses can only be delivered by a Registered Training Organisation (RTO) with the relevant qualification and units of competency on their scope of registration. Scope of registration can be checked at <http://training.gov.au/>.

RTOs offering training programs for the delivery and assessment of the Manufacturing (Pathways) Stage 5 VET course must meet the requirements of the VET Quality Framework, the [MSM Manufacturing Training Package](#) and the Stage 5 course.

Information about the delivery of VET courses by RTOs other than school system RTOs or TAFE NSW institutes is contained on the BOSTES [Assessment Certification Examination \(ACE\) website](#).

Non-government schools outsourcing delivery of HSC VET courses to external providers also need to refer to the *Registered and Accredited Individual Non-government Schools (NSW) Manual* or *Registration Systems and Member Non-government Schools (NSW) Manual* which are available on the BOSTES website at <http://rego.bostes.nsw.edu.au/>.

### Allocation of indicative hours of credit

Units of competency drawn from Training Packages are not defined in terms of duration. The amount of time required by individual students to achieve competency will vary according to their aptitude and experience. Where a training program is designed for delivery by an RTO, the RTO will specify the length of the training program according to the delivery strategies and/or curriculum resources chosen.

However, for the purposes of the RoSA, VET courses must be described in terms of their indicative hours. For this reason, indicative hours have been assigned to each unit of competency. It is emphasised that the assignment of indicative hours does not imply that all students will fulfil all requirements of a unit of competency within these hours. RTOs may determine that additional or fewer hours are required for the achievement of particular competencies. However, this does not alter the indicative hours allocated, only the delivery hours.

Students may need to spend additional time practising skills in a work environment and completing projects and assignments, in order to fulfil Training Package assessment requirements.

### Recognition of Prior Learning (RPL) and credit transfer within VET courses

Students who have current knowledge, skills or experience relevant to a VET course may be granted credit towards the course requirements.

Arrangements for RPL and credit transfer within VET courses, including processes, application form and examples of possible scenarios, are detailed on the BOSTES website at [www.boardofstudies.nsw.edu.au/voc\\_ed/rpl.html](http://www.boardofstudies.nsw.edu.au/voc_ed/rpl.html).

### **Students with special education needs**

Students with special education needs may access a VET course in one of two ways:

- by undertaking the course under regular course arrangements, or
- by undertaking selected units of competency within the course that have been identified through the collaborative curriculum planning process.

For more information, see the [VET Courses and Students with Special Education Needs](#) fact sheet, as well as [Collaborative Curriculum Planning](#) advice, on the BOSTES website.