

Manufacturing (Pathways)

AQF VET qualification: MSA10107 Certificate I in Manufacturing (Pathways)

Training Package: MSA07 Manufacturing Training Package (version 8.2)

BOS course name	BOS course number	Schools Online (Administration) entry advice
Manufacturing (Pathways)	82450	<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
- one industry/technical unit of competency from a specialised area
- 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. Refer to the [Assessment Certification Examination \(ACE\) website](#). There must be sufficient evidence that the student has:

- followed the course developed by the Board
- 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
MSAPCII01A Adapt to work requirements in industry	core	15
MSAPCII02A Apply effective work practices	core	15
MSAPCII03A Demonstrate care and apply safe practices at work	core	15

Total indicative hours for core units of competency: 45

INDUSTRY/TECHNICAL

Timber specialisation – oriented to constructing an object from timber		
MSAPCII296A Make a small furniture item from timber	industry/technical	10

Cloth specialisation – oriented to constructing an object from cloth		
MSAPCII297A Make an object from cloth using an existing pattern	industry/technical	10

Metal specialisation – oriented to constructing an object from metal		
MSAPCII298A Make an object from metal	industry/technical	10

Plastic specialisation – oriented to constructing an object from plastic		
MSAPCII299A Make an object from plastic	industry/technical	10

PLUS**ELECTIVES**

Unit code and title	Status for AQF VET qualification	Indicative hours of credit
LMFFM1002B Operate basic woodworking machines	elective – listed	15
LMFFM2001B Use furniture making sector hand and power tools	elective – listed	25
LMFFM2002B Assemble furnishing components	elective – listed	15
LMFFM2003B Select and apply hardware	elective – listed	10
LMFFM2005B Join solid timber	elective – listed	10
LMFSF1001B Produce basic soft furnishing accessories	elective – listed	15
LMFSF2001B Cut single layer fabrics	elective – listed	15
LMTCL2001B Use a sewing machine	elective – listed	10
LMTCL2003B Identify fibres and fabrics	elective – listed	20
LMTCL2006B Press work	elective – listed	10
LMTCL2007B Lay up, mark and cut uncomplicated fabrics and lays	elective – listed	15
LMTCL2008B Finish garment production	elective – listed	10
MEM03001B Perform manual production assembly	elective – listed	35
MEM05007C Perform manual heating and thermal cutting	elective – listed	10
MEM05012C Perform routine manual metal arc welding	elective – listed	20
MEM18001C Use hand tools	elective – listed	20
MEM18002B Use power tools/hand held operations	elective – listed	20
PMBFIN201C Finish products and components	elective – listed	20
PMBFIN205C Hand decorate products	elective – listed	20
PMBPREP205C Assemble materials and equipment for production	elective – listed	20
PMBPREP206C Prepare materials to formulae	elective – listed	20
PMBPROD236C Operate hand held air/power equipment for production processes	elective – listed	20
PMBPROD240C Cut materials	elective – listed	20
MSAPMOPS100A Use equipment	elective – listed	10
MSAPMOPS101A Make measurements	elective – listed	15

Unit code and title	Status for AQF VET qualification	Indicative hours of credit
MSAPMOPS102A Perform tasks to support production	elective – listed	15
MSAPMOPS244A Layout and cut materials	elective – listed	15
CPCCCM1011A Undertake basic estimation and costing	elective – imported (max 3)	20
CPCCOHS1001A Work safely in the construction industry *	elective – imported (max 3)	10
CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry	elective – imported (max 3)	15
CPCCVE1011A Undertake a basic construction project	elective – imported (max 3)	15
MEM11011B Undertake manual handling	elective – imported (max 3)	5
MEM16008A Interact with computing technology	elective – imported (max 3)	10

* The construction induction certificate (CIC card) will be issued by WorkCover NSW upon provision of evidence from an RTO that competence has been achieved in CPCCOHS1001A *Work safely in the construction industry*.

AQF VET qualification

Qualification packaging rules are contained in the [MSA07 Manufacturing Training Package](#) at <http://training.gov.au>.

In summary, to attain [MSA10107 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 of competency from the industry/technical units
 - a minimum of 2 units of competency from the electives listed
 - a maximum of 3 units of competency selected from the MSA Training Package, other endorsed Training Packages and accredited courses where those units are available for inclusion at 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 Board's website at www.boardofstudies.nsw.edu.au/voc_ed/board-endorsed-courses.html.

Stage 5 VET course delivery

Information is available on the Board's website at 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 [MSA07 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 Board's [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 Board's website at www.boardofstudies.nsw.edu.au/manuals/#regaccreditsystemsmanuals.

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 forms and examples of possible scenarios, are detailed on the Board's website at 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 on the Board's website.