

RTF10103

Certificate I in Horticulture

Course information and vocational outcomes

This is a nationally accredited course.

This course is designed to provide an introduction to the Horticulture industry. It is intended for those looking into the industry, whether they are adults or school student looking to do a VET course. By completing this course the desired pathway would be for participants to go on and achieve Certificate II in Horticulture in the particular stream they desire to go to head down the career path in this industry field.

To complete this course, the unit of competency from Group A must be completed, 2 additional units from Group B and 3 additional units from Group B and/or C. The nominal hours for this course vary from 60-95 nominal hours, depending on the electives undertaken.

For a competency to be attained in this qualification, at least 6 units of competency presented for this qualification must relate to general horticulture work procedures, activities or contexts. In addition, at least 5 of the total number of units selected to make up this qualification they must: (a) relate to general horticultural work procedures, activities and contexts, and (b) be clearly aligned to a Certificate I outcome. This course carries with it a Nationally Recognised Certificate.

Course content

Group A compulsory unit

- **RTC1801A - Prepare for work (10 nominal hours)**

(This competency standard covers the process of preparing to work in an agricultural, horticultural or conservation and local management industry. It requires the ability to observe safe work practice, communicate with others, contribute to a productive working environment, and follow good environmental practices. Preparing to work with plants, animals and/or land requires knowledge of safe working practices, communication procedures, systems and technology, industry expectations of conduct, presentation and work performance, and good environmental practices in the workplace.)

- 1 Observe work practices
- 2 Communicate with others
- 3 Contribute to a productive working environment
- 4 Follow good environmental practices

Group B elective units

- **RTC1006A - Support nursery work (15 nominal hours)**

(This competency standard covers the process of supporting work carried out in wholesale retail nurseries while under supervision. It requires the ability to prepare materials, tools and equipment for nursery work, undertake nursery work activities, store and stockpile materials and clean up on completion of work. Supporting nursery work requires knowledge of safe work practices, nursery hygiene and quality control, nursery plant maintenance activities, basic stock control procedures and propagation techniques.)

1. Prepare materials, tools and equipment for nursery work
2. Undertake nursery work as directed
3. Store and stockpile materials
4. Clean up on completion of nursery work

- **RTC1201A - Maintain the workplace (10 nominal hours)**

(This competency standard covers the process expected of workers as part of the daily routine to maintain a tidy and workplace including workshops, depots, tool sheds and planted areas. The work is likely to be under direct supervision with regular checking. Competency is demonstrated by the application of knowledge and skills to a limited range of maintenance tasks and roles. Reporting and recording is undertaken within established routines using methods and procedures that are predictable. There is a specified range of duties and contexts where choice of actions required is made quite clear by the supervisor.)

1. Use tools, equipment and machinery
2. Maintain a safe and clean workplace
3. Maintain structures and workplace surroundings

- **RTC1202A - Support landscape work (15 nominal hours)**

(This competency standard covers the process of supporting landscape work under direct supervision. It requires the ability to prepare materials, tools and equipment for landscaping work, undertake landscaping activities, handle materials and equipment, and clean up on completion of work. Supporting landscaping work requires knowledge of safe work practices, landscape construction, landscape tools and equipment, and repair and maintenance of landscape features.)

1. Prepare materials, tools and equipment for landscaping work
2. Undertake landscape work as directed
3. Handle materials and equipment
4. Clean up on completion of landscaping work

- **RTC1301A - Operate basic machinery and equipment (20 nominal hours)**

(This competency standard covers the use and maintenance of basic machinery and equipment. Competency requires the application of skills and knowledge to a limited range of tasks including pre-operational checks, and the cleaning and storage of tools and equipment. In addition, competency requires an awareness of workplace safety and positive environmental practices associated with equipment operation. The work in this standard is likely to be under direct supervision with regular checking.)

1. Prepare basic machinery and equipment for use
2. Operate basic machinery and equipment
3. Check, clean and store basic machinery and equipment

- **RTC1302A - Assist with routine maintenance of machinery and equipment (20 nominal hours)**

(This competency standard covers the process required to assist with basic routine maintenance on a range of machinery and equipment. It requires the application of basic skills and knowledge to prepare and use hand and power tools to carry out minor repairs and servicing tasks on machinery and equipment. In addition, competency requires an awareness of workplace safety and positive environmental practices associated with maintenance activities. The work functions are likely to be under direct supervision with regular checking within enterprise guidelines.)

1. Prepare for basic routine maintenance
2. Carry out basic routine maintenance
3. Complete basic routine maintenance activities

- **RTC1701A - Follow basic chemical safety rules (10 nominal hours)**

(This competency standard covers the functions of a person working in an enterprise which uses chemicals and who needs to be aware of their use. Skills and knowledge include awareness of the use of chemicals, how they are handled, stored and transported, recognition of safety issues surrounding chemical use, and the ability to use personal protective equipment when instructed. It requires awareness of the duty of care to self, and others, and to the environment concerning chemicals. This person will be under close supervision in the workplace and will be required to follow instructions at all times.)

1. Follow workplace requirements and instructions concerning chemicals
2. Recognise risks associated with chemicals
3. Follow chemical handling and storage rules

- **RTD1501A - Support natural area conservation (15 nominal hours)**

(This unit covers the process of supporting conservation under supervision in parks, natural areas, agricultural lands, or areas undergoing rehabilitation. It requires the ability to prepare materials, tools and equipment for conservation work, undertake conservation activities, store and stockpile materials, and clean up of conservation work. Supporting conservation work required knowledge of tools and equipment used in conservation work, revegetation techniques including planting, direct seeding, assisted natural revegetation, protection of remnant vegetation, maintenance tasks for conservation area, common bushland weeds, personal protective equipment, team work, and following instruction and techniques for cleaning a site and disposing of debris.)

1. Prepare materials, tools and equipment for conservation work
2. Undertake conservation work as directed
3. Store and stockpile materials
4. Clean up on completion of conservation work

- **RTE1005A - Support horticultural production (15 nominal hours)**

(This unit covers the process of supporting horticultural production under supervision. It requires the ability to prepare materials, tools and equipment for horticultural production work, undertake routine production assistance work, handle materials and equipment, and clean up on completion of work. Supporting horticultural production work requires knowledge of safe work practices relating to basic crop handling techniques including planting, maintaining, picking and packing, loading and unloading, and using associated farm tools and equipment.)

1. Prepare materials, tools and equipment for horticultural production work
2. Undertake horticultural production work as directed
3. Store and stockpile materials
4. Clean up on completion of work

- **RTE1601A - Support irrigation work (15 nominal hours)**

(This unit covers the process of supporting the installation, operation and maintenance of watering and drainage systems under direct supervision. It requires the ability to prepare materials, tools and equipment for irrigation work, undertake irrigation activities, handle materials and equipment, and clean up on completion of work. Supporting irrigation work requires knowledge of safe work practices irrigation work techniques, irrigation tools and equipment, and repair and maintenance of irrigation components and systems.)

1. Prepare materials, tools and equipment for irrigation work
2. Undertake irrigation work as directed
3. Store and stockpile materials
4. Clean up on irrigation work

- **RTF1002A - Support aboricultural work (10 nominal hours)**
(This competency standard covers the process of providing ground support to an arboricultural work unit. Support requires checking tools and equipment, maintaining a clear work site during operations, communicating with and observing above ground workers, assisting climbers by sending up tools and equipment, and receiving and processing tree prunings. Ground support work is performed under direct supervision within established enterprise guidelines.)
 1. Prepare for ground support operations
 2. Maintain a clear work site during operations
 3. Provide ground support for tree climbers
 4. Receive and process tree prunings during operations
 5. Complete ground support operations

- **RTF1003A - Support turf work (10 nominal hours)**
(This competency standard covers the process of supporting turf work under supervision. It requires the ability to prepare materials, tools and equipment for turf work, undertake turf work, handle materials and equipment, and clean up on completion of work. Supporting turf work requires knowledge of safe work practices, mowing patterns and heights, turf machinery and equipment, and maintenance practices.)
 1. Prepare materials, tools and equipment for turf work
 2. Undertake turf work as directed
 3. Handle materials and equipment
 4. Cleanup on completion of turf work

- **RTF1004A - Support gardening work (10 nominal hours)**
(This competency standard covers the process of supporting gardening work under supervision. It requires the ability to prepare materials, tools and equipment for gardening work, undertake gardening activities, handle materials and equipment, and clean up on completion of work. Supporting gardening work requires knowledge of safe work practices, planting techniques, garden tools and equipment, maintenance practices for planted areas and repair and maintenance of garden features.)
 1. Prepare materials, tools and equipment for gardening work
 2. Undertake gardening work as directed
 3. Handle materials and equipment
 4. Cleanup on completion of gardening work

- **RTF1007A - Support floricultural production work (10 nominal hours)**
(This competency standard covers the process of supporting floricultural work under supervision. It requires the ability to prepare materials, tools and equipment for floricultural production work, undertake routine production assistance work, handle materials and equipment, and clean up on completion of work. Supporting floricultural production work requires knowledge of safe work practices relating to basic crop handling techniques including planting, maintaining, picking, and packing, and loading and unloading, using associated tools and equipment.)
 1. Prepare materials, tools and equipment for floricultural production work
 2. Undertake floricultural production work as directed
 3. Handle materials and equipment
 4. Clean up on completion of work

Group C elective units

Any units of competency from the list below and/or other endorsed Training Packages. Units selected must be aligned to Certificate 1 or II outcomes. These units must be relevant to work undertaken in the horticulture sector:

Conservation and Land Management

- **RTD1501A - Support natural area conservation (15 nominal hours)**
(This unit covers the process of supporting conservation under supervision in parks, natural areas, agricultural lands, or areas undergoing rehabilitation. It requires the ability to prepare materials, tools and equipment for conservation work, undertake conservation activities, store and stockpile materials, and clean up of conservation work. Supporting conservation work required knowledge of tools and equipment used in conservation work, revegetation techniques including planting, direct seeding, assisted natural revegetation, protection of remnant vegetation, maintenance tasks for conservation area, common bushland weeds, personal protective equipment, team work, and following instruction and techniques for cleaning a site and disposing of debris.)
 1. Prepare materials, tools and equipment for conservation work
 2. Undertake conservation work as directed
 3. Store and stockpile materials
 4. Clean up on completion of conservation work

- **RTD2022A - Carry out natural area restoration works (40 nominal hours)**
(This competency standard covers the process of carrying out natural area restoration work as part of a team. Natural area restoration is likely to be under routine supervision with intermittent checking. Competency is demonstrated by the application of knowledge and skills to a range of natural area restoration tasks. The work is usually within established routines, methods and procedures.)
 1. Prepare for natural area restoration works
 2. Apply weed control measures
 3. Prepare the soil for natural area restoration
 4. Replace native vegetation on the natural area restoration site
 5. Complete natural area restoration

- **RTD2206A - Install aggregate paths (20 nominal hours)**
(This competency standard covers the process of installing aggregate paths. It requires the ability to plan and prepare for installation, set out the site for path construction, undertake ground preparation, lay surface aggregate materials and make good the site. Installing aggregate paths requires knowledge of OHS responsibilities, setting out, reading of plans, use of different aggregate materials, tools and equipment used in installation of paths and methods of disposing of soil and waste materials in order to minimise damage to the environment.)
 1. Plan and prepare for installation
 2. Set out the path for site construction
 3. Undertake ground preparation
 4. Lay surface aggregate materials
 5. Make the site good