



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **AHC50410 Diploma of Horticulture**

**Release 2**

## AHC50410 Diploma of Horticulture

### Modification History

| Release | TP Version | Comments                          |
|---------|------------|-----------------------------------|
| 2       | AHC10v4    | Equivalent imported Units updated |
| 1       | AHC10      | Initial release                   |

### Description

The Diploma of Horticulture reflects the role of those who manage amenity horticultural enterprises where a range of skills and knowledge across the breadth of the industry is required or personnel working in horticulture at a level requiring higher technical skills.

### Pathways Information

#### Qualification pathways

##### Pathways into the qualification

This qualification may be accessed by direct entry.

##### Pathways from the qualification

Further training pathways from this qualification include, but are not limited to, Advanced Diploma of Horticulture.

#### Australian Apprenticeships

This qualification is suitable for an Australian Apprenticeship.

#### Job roles

Job roles and titles vary across different industry sectors. Possible job titles relevant to this qualification include:

Senior Horticulturist

Parks and Garden manager

Horticulture enterprise manager

### Licensing/Regulatory Information

Not Applicable

## Entry Requirements

### Entry requirements

There are no entry requirements for this qualification.

## Employability Skills Summary

| <b>EMPLOYABILITY SKILLS QUALIFICATION SUMMARY</b> |  |
|---|--|
| <b>Employability Skill</b>                        | <b>Industry/enterprise requirements for this qualification include:</b>  |
| Communication                                     | <ul style="list-style-type: none"> <li>• Listening and understanding</li> <li>• Speaking clearly and directly</li> <li>• Reading and interpreting workplace related documentation</li> <li>• Writing to audience needs</li> <li>• Interpreting the needs of internal/external customers</li> <li>• Applying numeracy skills to workplace requirements</li> <li>• Establishing/using networks</li> <li>• Sharing information</li> <li>• Negotiating responsively</li> </ul> |
| Teamwork  | <ul style="list-style-type: none"> <li>• Working as an individual and a team member</li> <li>• Working with diverse individuals and groups</li> <li>• Applying knowledge of own role as a part of a team</li> <li>• Applying teamwork skills to a range of situations</li> <li>• Identifying and using the strengths of other team members</li> </ul>  |
| Problem-solving                                   | <ul style="list-style-type: none"> <li>• Developing practical and creative solutions to workplace problems</li> <li>• Showing interdependence and initiative in identifying problems</li> <li>• Solving problems individually or in teams</li> <li>• Applying a range of strategies in problem solving</li> <li>• Using numeracy skills to solve problems</li> <li>• Testing assumptions and taking context into account</li> </ul>  |
| Initiative and enterprise                         | <ul style="list-style-type: none"> <li>• Adapting to new situations</li> <li>• Being creative in response to workplace challenges</li> <li>• Identifying opportunities that might not be obvious to others</li> <li>• Generating a range of options in response to workplace matters</li> <li>• Translating ideas into actions</li> <li>• Developing a strategic, creative long-term vision</li> </ul>   |
| Planning and organising                           | <ul style="list-style-type: none"> <li>• Collecting analysing and organising information</li> <li>• Using basic business systems for planning and organising</li> <li>• Being appropriately resourceful</li> </ul>   |

**EMPLOYABILITY SKILLS QUALIFICATION SUMMARY**

- Taking initiative and making decisions within workplace role
- Participating in continuous improvement and planning processes
- Working within or establishing clear project goals and deliverables
- Determining or applying required resources
- Allocating people and other resources to tasks and workplace requirements
- Managing time and priorities
- Adapting resource allocations to cope with contingencies

**EMPLOYABILITY SKILLS QUALIFICATION SUMMARY**

|                 |  |
|-----------------|--|
| Self-management | <ul style="list-style-type: none"> <li>• Taking responsibility at the appropriate level</li> </ul>   |
| Learning        | <ul style="list-style-type: none"> <li>• Defining own learning needs</li> <li>• Carrying out independent learning to improve capability</li> </ul> |
| Technology      | <ul style="list-style-type: none"> <li>• Using technology and related workplace equipment</li> <li>• Using technology to organise data</li> </ul>  |

**Packaging Rules****Packaging Rules**

Completion of ten (10) elective units.

**ELECTIVE UNITS**

- a minimum of four (4) units must come from elective group A
- a minimum of four (4) units must come from elective groups A or B
- a maximum of two (2) units may be selected from units aligned to Certificate IV or above in AHC10 or from any other currently endorsed training package or accredited course. Selected units must meet job outcomes relevant to horticulture.

**ELECTIVE UNITS GROUP A****Plants**

| Unit code  | Unit title                     |
|------------|--------------------------------|
| AHCPCM501A | Diagnose plant health problems |
| AHCPCM502A | Collect and classify plants    |

**Production horticulture**

| Unit code  | Unit title                              |
|------------|---|
| AHCPHT502A | Develop a horticultural production plan |
| AHCPHT503A | Manage a controlled growing environment |

**Arboriculture**

| Unit code  | Unit title   |
|------------|--------------|
| AHCARB501A | Assess trees |

|            |                                    |
|------------|------------------------------------|
| AHCARB502A | Identify, select and specify trees |
| AHCARB503A | Diagnose tree diseases             |
| AHCARB504A | Develop a tree protection program  |
| AHCARB505A | Document and audit tree work       |

### Hydroponics

| Unit code  | Unit title                             |
|------------|--|
| AHCHYD501A | Develop a plan for a hydroponic system |

### Landscape

| Unit code  | Unit title                          |
|------------|-------------------------------------|
| AHCLSC501A | Survey and establish site levels    |
| AHCLSC502A | Manage landscape projects           |
| AHCLSC503A | Manage a tree transplanting program |

### Parks and gardens

| Unit code  | Unit title  |
|------------|---|
| AHCPGD501A | Manage plant cultural practices                     |
| AHCPGD502A | Plan the restoration of parks and gardens           |
| AHCPGD503A | Manage parks and reserves                           |
| AHCPGD504A | Develop and implement a streetscape management plan |
| AHCPGD505A | Conduct comprehensive inspection of park facilities |

### Turf

| Unit code  | Unit title   |
|------------|--|
| AHCTRF501A | Plan the establishment of sports turf playing surfaces |

## ELECTIVE UNITS GROUP B

### Business

| <b>Unit code</b> | <b>Unit title</b>                                    |
|------------------|--|
| AHCBUS501A       | Manage staff   |
| AHCBUS502A       | Market products and services                         |
| AHCBUS503A       | Negotiate and monitor contracts                      |
| AHCBUS504A       | Prepare estimates, quotes and tenders                |
| AHCBUS505A       | Develop a marketing plan                             |
| AHCBUS508A       | Prepare and monitor budgets and financial reports    |
| BSBFIM501A       | Manage budgets and financial plans                   |
| BSBHRM506A       | Manage recruitment selection and induction processes |
| BSBRES401A       | Analyse and present research information             |
| TLIL5019A        | Implement and monitor transport logistics            |
| TLIR4002A        | Source goods/services and evaluate contractors       |
| TLIR4003A        | Negotiate a contract                                 |

### **Chemicals**

| <b>Unit code</b> | <b>Unit title</b>                          |
|------------------|--|
| AHCCHM501A       | Develop and manage a chemical use strategy |

### **Design**

| <b>Unit code</b> | <b>Unit title</b>      |
|------------------|------------------------|
| AHCDES503A       | Assess landscape sites |

### **Irrigation**

| <b>Unit code</b> | <b>Unit title</b>  |
|------------------|--|
| AHCIRG501A       | Audit irrigation systems                                     |
| AHCIRG502A       | Design irrigation system maintenance and monitoring programs |
| AHCIRG503A       | Design irrigation, drainage and water treatment systems      |

|            |   |
|------------|---|
| AHCIRG504A | Develop an irrigation and drainage management plan                            |
| AHCIRG505A | Establish and maintain an irrigation-related environmental protection program |

### Lands, parks and wildlife

| Unit code  | Unit title                                      |
|------------|---|
| AHCLPW501A | Develop a management plan for a designated area |

### Machinery operation and maintenance

| Unit code  | Unit title                              |
|------------|---|
| AHCMOM501A | Manage machinery and equipment          |
| AHCMOM502A | Implement a machinery management system |

### Pest management

| Unit code  | Unit title   |
|------------|--|
| AHCPMG501A | Coordinate the pest management strategy in a regional or broader context |
| AHCPMG502A | Define the pest problem in a regional or broader context                 |
| AHCPMG503A | Develop a strategy for the management of target pests                    |
| AHCPMG504A | Develop a system for monitoring the pest management strategy             |
| AHCPMG505A | Evaluate the pest management strategy                                    |

### Soils and media

| Unit code  | Unit title                              |
|------------|---|
| AHCSOL501A | Monitor and manage soils for production |

### Water

| Unit code  | Unit title                     |
|------------|--------------------------------|
| AHCWAT501A | Design water treatment systems |



|            |                      |
|------------|----------------------|
| AHCWAT502A | Manage water systems |
|------------|----------------------|

## Work

| Unit code   | Unit title   |
|-------------|--|
| AHCWRK501A  | Plan, implement and review a quality assurance program     |
| AHCWRK502A  | Collect and manage data                                    |
| AHCWRK503A  | Prepare reports  |
| AHCWRK504A  | Assess new industry developments                           |
| AHCWRK505A  | Manage trial and/or research material                      |
| AHCWRK507A  | Implement professional practice                            |
| AHCWRK508A  | Interpret legislation                                      |
| AHCWRK509A  | Provide specialist advice to clients                       |
| AHCWRK510A  | Audit site operations                                      |
| AHCWRK511A  | Develop workplace policy and procedures for sustainability |
| CPPWMT5043A | Develop and implement an environmental management strategy |
| CPPWMT5045A | Develop site safety plans                                  |
| PSPPM502B   | Manage complex projects                                    |
| PSPPM503B   | Close complex projects                                     |