



AHC51120 Diploma of Conservation and ecosystem management

Course structure

Overview

You must complete 10 units to gain the Diploma of Conservation and Ecosystem Management.

- 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 2 units may be selected from the elective list of a Certificate IV or above of this or any other endorsed Training Package or Accredited Course. Selected units must be relevant to job outcomes in Conservation and Ecosystem Management and must be chosen to ensure the integrity of the qualification outcome at AQF level 5.

For full packaging rules see <https://training.gov.au/Training/Details/AHC51120>.

Please note some subjects listed below include multiple units of competency and the units of competency offered may be subject to change.

Tocal College suggests three (3) foundation subjects (comprising four units of competency) be completed before selecting four (4) electives. It is then recommended that students complete the two (2) concluding subjects.

Foundation subjects

Subject name & units covered	Subject details
<p>Describe a landscape</p> <p><i>AHCILM501 Conduct field research into natural and cultural resources (Group A)</i></p> <p><i>AHCWRK513 Write and present reports (Group B)</i></p>	<p>In this subject you will:</p> <ul style="list-style-type: none"> • use a range of electronic and manual recording systems to support research • identify stakeholders including current tenure, Indigenous history, and community interest • review existing knowledge • develop research objectives, staff, resources, and design • conduct field investigations to investigate impacts on fauna, flora, and natural resources of the site • report on the field investigation.
<p>Collect and classify plants</p> <p><i>AHCPCM510 Collect and classify plants (Group A)</i></p>	<p>In this subject you will:</p> <ul style="list-style-type: none"> • collect plant specimens • note the location, characteristics, and occurrence of specimens at the point of collection • clean, preserve, mount and label plant specimens • use a plant key to identify plants against the botanical description of the species • label preserved specimens.
<p>Define the pest problem</p> <p><i>AHCPMG413 Define the pest problem (Group A)</i></p>	<p>In this subject you will:</p> <ul style="list-style-type: none"> • determine land management/production objectives • estimate costs and advantages for the management units most affected by the target pests • define and prioritise the management units most affected, both actually and potentially, by the target pests are • define the performance criteria for each land management/production objective • select management options for the target pests • negotiate strategies with relevant stakeholders in the affected area.

Elective subjects (select four)

Subject name & units covered	Subject details
<p>Develop a pest management plan <i>AHCPMG412 Develop a pest management plan (Group B)</i></p>	<p>In this subject you will:</p> <ul style="list-style-type: none"> determine goals of the pest management plan set specific objectives for the pest management plan identify activities required to achieve specific objectives estimate resources required to complete required activities finalise the pest management plan.
<p>Plan prescribed burning* <i>AHC FIR503 Plan and evaluate burning for fuel, ecological and cultural resource management (Group A)</i></p> <p>*To enrol in this course, you must have access to a fire within your work role</p>	<p>In this subject you will need to have access to a fire through your workplace and be able to:</p> <ul style="list-style-type: none"> assess a designated site/area for prescribed burning plan for prescribed burning Develop monitoring and evaluation program conduct post burn monitoring and evaluation.
<p>Design a restoration project <i>AHCECR503 Design an ecological restoration project (Group A)</i></p>	<p>In this subject you will:</p> <ul style="list-style-type: none"> establish the project purpose, scope and extent, costs, and benefits undertake a site analysis and prepare a base plan incorporating landforms, soils, fauna and flora and habitat determine options for ecological restoration and incorporate into a concept design develop monitoring and reporting for the project produce a final design with supporting documentation, including costings.
<p>Plan river restoration works <i>AHCECR505 Plan river restoration works (Group A)</i></p>	<p>In this subject you will:</p> <ul style="list-style-type: none"> establish client needs for river restoration works develop the strategy to undertake river restoration works prepare detailed river restoration works plan.
<p>Develop sustainable land use strategies* <i>AHCECR506 Develop and implement sustainable land use strategies (Group A)</i></p> <p>*To complete this subject, you must have access to land that is used for agricultural purposes.</p>	<p>In this subject you will:</p> <ul style="list-style-type: none"> assess the threats to sustainability for an area or region manage water resources and riparian zones manage vegetation and plant succession for an area manage the health and sustainability of soils incorporate sustainability principles into land use practices.

Concluding subjects

Subject name & units covered	Subject details
<p>Develop a management plan for an area of land</p> <p><i>AHCLPW506 Develop a management plan for a designated area (Group A)</i></p>	<p>In this subject you will:</p> <ul style="list-style-type: none"> • discuss management plan objectives, deliverables, and timeline with client • prepare a site plan detailing landscape values, physical features and characteristics, land uses (both past and present), physical condition and biological characteristics • identify land capability and conservation issues on and surrounding the site • analyse site information and description to assess feasibility of management objectives • develop and cost recommended actions and present to client for discussion as a draft management plan • prepare a management plan.
<p>Monitoring biological indicators</p> <p><i>AHCECR502 Conduct biological surveys (Group A)</i></p>	<p>In this subject you will:</p> <ul style="list-style-type: none"> • identify the scope, objectives, and constraints for a biological survey according to client requirements • assess the availability of current data and determine data collection and processing needs • identify biological indicators that are repeatable and statistically representative • document survey methods and indicators as a survey plan • schedule survey activities and establish access to the site • conduct a biological survey with data collection staged and recorded according to the survey plan • produce a biological survey report with detailed analysis and conclusion, including a description and assessment of the specified biological components.