



Australian Government

Department of Education, Employment and Workplace Relations

DEF41812 Certificate IV in Military Engineering

Release: 1

DEF41812 Certificate IV in Military Engineering

Modification History

Not applicable.

Description

Not applicable.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

Employability Skills Summary for DEF41812 Certificate IV in Military Engineering

Employability Skills are part of a unit of competency.

Employability Skills statements from a selection of units of competency from the DEF41812 Certificate IV in Military Engineering have been reproduced in the table below.

This table provides an example of Employability Skills for the qualification because Employability Skills within a qualification will vary depending on the qualification packaging options.

Employability Skill	Employability Skills Statement
Communication	<p>Defence qualifications have core units (which must be achieved) and elective units (where there is a choice of units which must be achieved) so different Employability Skills Summaries are possible within the one qualification, depending on the package of core units and chosen elective units.</p> <ul style="list-style-type: none"> • communicate and apply interpersonal skills • communicate and consult with battlespace operating system experts, commanders, other technical agencies and managers • compile reports on equity and diversity issues • complete documentation and write reports • conduct debriefs • conduct research and seek advice from relevant personnel to clarify unclear findings • develop instructions from given orders • develop techniques for giving and receiving feedback in a constructive manner • ensure written communication is to the required level to complete workplace forms and reports • identify and communicate equity and diversity strategies to team members • provide feedback on equity and diversity strategies to managers • receive, clarify, prepare and deliver orders as necessary • report shortfalls that limit capability • use verbal and non-verbal communication techniques including body language, language style and active listening
Teamwork	<ul style="list-style-type: none"> • apply techniques to support others • command, lead and manage engineering personnel • direct and supervise subordinates • foster and promote equity and diversity practices • organise and direct support from outside agencies • provide assistance to maximise individual contribution to the attainment of the team objectives • supervise and monitor equity and diversity processes within the workplace

	<ul style="list-style-type: none"> • supervise engineering operations • work within a team environment • understand team dynamics, aims and objectives • understand the composition, roles and responsibilities of team members
Problem solving	<ul style="list-style-type: none"> • analyse and solve problems • deal with minor incidents • determine and manage constraints and risks relevant to the task • identify issues, analyse circumstances and undertake research • navigate by day and night, vehicle and foot • resolve grievances and complaints without bias • take action to correct inappropriate behaviour
Initiative and enterprise	<ul style="list-style-type: none"> • act independently • be incisive in a fluid and demanding environment • lead by example • translate research and analysis into clear advice for stakeholders
Planning and organising	<ul style="list-style-type: none"> • apply processes to resolve grievance and complaints • assemble appropriate resources for the task • conduct battle procedures • confirm and maintain the competence of subordinates • determine and manage the constraints and risks relevant to the task • draw simple construction plans • identify sources of information on equity and diversity in accordance with legislative requirements, and organisational policies and practices • prepare and plan for engineering operations • provide advice to stakeholders within resource constraints and operational requirements • understand and apply throughout the operation, occupational health and safety requirements and recognised safety precautions, including those contained in Australian Defence Force procedures
Self-management	<ul style="list-style-type: none"> • act independently • be incisive in a fluid and demanding environment • conduct post activity analysis and make subsequent recommendations • ensure that the individual decision making process is conducted in accordance with standard procedures • lead by example
Learning	<ul style="list-style-type: none"> • develop an understanding of research and analysis techniques

Technology	<ul style="list-style-type: none">• operate global positioning system (GPS)• operate weapons• recondition, replace or return equipment, stores and ammunition where applicable• undertake the construction process (including the design and use of field machines)• use appropriate information technology and software• use computers
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Packaging Rules

Qualification Requirement: 19 units

All 4 core units plus 6 units from the specialisation elective units plus 5 from the engineering elective units, plus 4 general elective units

Specialisation elective units should be selected from the fields that most closely align to an individual's occupational outcomes.

The general elective units may be taken from the general elective units listed below, or may include 2 units taken from within this Training Package or any other endorsed Training Package at the same qualification level or a higher level.

Code	Core Units
DEFCA315B	Supervise engineering operations
DEFM008B	Provide technical advice
DEFEQ002B	Supervise equity and diversity in the workplace
BSBCM411A	Monitor a safe workplace
Code	Specialisation Elective Units
LGAWORK301A	Evaluate works maintenance needs and priorities
LGAWORK304A	Construct and maintain drainage systems
PSPGOV406B	Gather and analyse information
PSPPM401B	Design simple projects
PSPPM402B	Manage simple projects
PSPPM403B	Close simple projects
DEFCA206B	Observe targets and coordinate multi asset firepower on multiple targets
DEFCA207B	Observe targets and engage with joint asset firepower from any agency
DEFCA421B	Supervise infantry operations
DEFCA422B	Conduct range practices
DEFCA423B	Manage range practices and qualifications
DEFCA424B	Observe and direct machine gun fire
DEFCA426B	Supervise the operation of direct fire support weapons
DEFM107B	Supervise a section during defensive operations
DEFM108B	Supervise a section during offensive operations
DEFM109B	Supervise platoon level defensive operations
DEFM110B	Supervise platoon level offensive operations
DEFOH003B	Identify and monitor radiation hazards
DEFOH005B	Apply radio frequency radiation safety procedures

PMASUP220A	Monitor and control environmental hazards
PSPGOV307B	Organise workplace information
PSPGOV403B	Use resources to achieve work unit goals
PSPGOV404B	Develop and implement work unit plans
PSPPROC406A	Procure goods and services
PUACOM007B	Liaise with other organisations
DEFM004B	Instruct a workplace physical training session in Defence
DEFM113C	Perform the duties of a defending officer
DEFM114C	Perform the duties of a prosecuting officer
DEFM116C	Provide advice on service discipline law
DEFM118B	Act as a range safety officer on a permanent range
DEFM119B	Conduct basic range practices on a permanent range
DEFM120C	Conduct individual and collective ceremonial drill
PUATEA002B	Work autonomously
TAAASS301B	Contribute to assessment
TAADEL301C	Provide training through instruction and demonstration of work skills
TDTU101A	Implement and monitor environmental protection policies and procedures
