



Australian Government

DEF33112 Certificate III in Military Land Engineering

Release: 1

DEF33112 Certificate III in Military Land Engineering

Modification History

Release	TP version	Comments
2	DEF12 V2	Structure and packaging rules changed. Equivalent to DEF32012 Certificate III in Military Engineering
1	DEF12 V1	First release.

Description

Not applicable.

Pathways Information

Not applicable.

Licensing/Regulatory Information

Not applicable.

Entry Requirements

Not applicable.

Employability Skills Summary

Employability Skills are part of a unit of competency.

Employability Skills statements from a selection of units of competency from the DEF33112 Certificate III in Military Land 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.

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.

Employability Skill	Employability Skills Statement
Communication	<ul style="list-style-type: none"> • access, interpret and rehearse fire emergency procedures • access, read and interpret local emergency procedures • adjust own communication styles to reflect equity and diversity principles • apply appropriate techniques when providing constructive feedback to other team members, and giving and receiving support to/from team members • apply interpersonal and cross-cultural communication strategies • apply interpersonal communications • apply non operational and operational communication processes • ensure communication is achieved through non-verbal signals • ensure written communication is to a level required to complete workplace forms and reports • recognise and report breaches of organisational codes of ethics and/or practice and statements of values • send and receive simple non-verbal signals • share and communicate effectively between team members, information, knowledge and skills relevant to work • use verbal and non-verbal communication techniques including language style, active listening • work with others and make a positive contribution to the effectiveness and efficiency of a team
Teamwork	<ul style="list-style-type: none"> • adhere to formations • assist in the completion of tasks when requested by other teams members and is appropriate • contribute to identifying team goals and objectives • encourage and acknowledge participation by team members • guide and facilitate teams • maintain the security of the team • operate as a team member during the conduct of security operations, defensive operations and offensive operations

	<ul style="list-style-type: none"> • recognise and apply equity and diversity principles • recognise, value and adjust own behaviour to individual differences in the workplace by treating others with respect and dignity • understand principles of teamwork and team's aims and objectives • work in an acceptable and non-discriminatory manner while establishing rapport and good working relationships with all colleagues
Problem solving	<ul style="list-style-type: none"> • assess a fire situation and determine an appropriate course of action • continually assess the environment to identify the threat or their sign • extinguish fires • identify weaknesses exploitation • minimise personal signature • select the type of camouflage required for a particular situation, and detect the capabilities of the threat
Initiative and enterprise	<ul style="list-style-type: none"> • use improvised techniques appropriately such as minimising personal signature
Planning and organising	<ul style="list-style-type: none"> • assess a tactical situation so that appropriate camouflage and concealment techniques can be applied • assess factors influencing camouflage and concealment • assess the environment so that appropriate camouflage and concealment techniques can be applied • assess threat's detection capabilities • demonstrate understanding of, and apply throughout operation, occupational health and safety requirements and recognised safety precautions including those contained in the Australian Defence Force procedures • select appropriate routes
Self-management	<ul style="list-style-type: none"> • comply with workplace equity and diversity practices • conduct self in a manner that shows sensitivity to the differences between colleagues • identify, plan and implement personal development strategies • model and maintain high standards of personal performance, ethics and integrity • monitor and manage personal physical and emotional health • review, monitor and self-assess own performance • work without supervision
Learning	<ul style="list-style-type: none"> • access, interpret and rehearse fire emergency procedures
Technology	<ul style="list-style-type: none"> • check, identify, select and use firefighting equipment • employ the weapons and weapon sighting systems and associated equipment • handle weapons safely in an operational environment • identify, select and safely handle ammunition

	<ul style="list-style-type: none">• safely handle and carry a service rifle• test or check equipment• use communications and signalling devices• use emergency devices (e.g. parachute, life-raft)• use field equipment
--	---

Packaging Rules

14 units of competency are required for this qualification including:

- 3 core units
- 11 elective units

Choose a minimum of 8 elective units from the Group A or B lists below, of which 5 units must be from Group A.

Choose the remaining 3 elective units from either the Group A or B elective lists below, **or** elsewhere within this training package, **or** another endorsed training package, **or** accredited course.

Where a pre-requisite unit is attached to an elective unit it is identified by this symbol \perp .

The pre-requisite units attached to any of the elective units must be undertaken and are additional to the number of elective units required for the qualification.

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

Elective units selected must not duplicate content already covered by other units in this qualification.

Code	Core Units
DEFC A318	Shift loads manually utilising non-motorised equipment
DEFC A324	Assist in the construction and maintenance of field structures
RIIOHS201A	Work safely and follow OHS policies and procedures
Code	Group A Elective Units (Specialisation)
DEFC A004B	Conduct military searches
DEFC A014	Navigate in remote and unmodified landscapes
DEFC A016	Use individual protective equipment in a CBRN threat environment
DEFC A302B	Assist in the construction of minefields
DEFC A309B	Perform military high-risk search
DEFC A310B	Collect environmental information
DEFC A328	Operate an inland tug boat
DEFC A319	Assist in the preparation, construction, operation and maintenance of a field water-point

DEFCA320	Prepare, operate and maintain small watercraft
DEFCA321	Assist in the construction of wet gap crossings
DEFCA322	Assist in the construction of dry gap crossings
DEFCA323	Assist in the preparation, construction and maintenance of roads and tracks
DEFEO101D	Work safely with explosive ordnance
DEFEO201C	Respond to fire
DEFEO706D	Participate in the conduct of explosive ordnance disposal operations
DEFEO711C	Conduct military demolition operations
DEFEO712C	Lay and clear booby traps
DEFEO713C	Lay and clear mines
DEFOH005B	Apply radio frequency radiation safety procedures
DEFOH007B	Apply ionising radiation safety procedures
PSPBORD303A	Deploy detector dog
PSPBORD304A	Maintain detector dog proficiency
PUAFIR207B	Operate breathing apparatus open circuit └ PUAFIR215 Prevent injury
PUAFIR308B	Employ personal protection at a hazardous materials incident └ PUAFIR207B Operate breathing apparatus open circuit
TDMMH1207B	Plan and navigate a short voyage within inshore limits
TDMMC907C	Manoeuvre a domestic vessel within the limits of responsibility of a coxswain
Code	Group B Elective Units (General)
Combat Arms Units	
DEFCA001B	Observe and monitor hostile areas to detect targets
DEFCA002B	Operate remote sensors to detect targets

DEFCA003B	Operate a radar to locate targets
DEFCA011	Operate Defence communications equipment
DEFCA205B	Observe targets and direct single asset firepower on a single target
DEFCA206B	Observe targets and direct multi asset firepower on multiple targets └ DEFCA205B Observe targets and direct single asset firepower on a single target
DEFCA404B	Undertake reconnaissance tasks
DEFCA405B	Undertake surveillance patrol tasks
DEFCA406B	Operate a service pistol
DEFCA407B	Operate a sustained fire machine gun
DEFCA408B	Operate sustained fire machine guns on operations
DEFCA409B	Operate a shotgun
DEFCA410B	Throw grenades on operations
DEFCA411B	Operate a grenade launcher
DEFCA413B	Operate a direct fire support weapon
DEFCA414B	Operate direct fire support weapon systems on operations
DEFCA415B	Operate anti-personnel weapon
DEFCA416C	Employ hand operated pyrotechnics
DEFCA419B	Operate a service rifle on operations
DEFCA420B	Operate a light support weapon on operations
DEFCA428	Undertake stability actions
DEFCA429	Undertake defensive actions
DEFCA430	Undertake offensive actions
DEFM001B	Use personal camouflage and concealment in a threat environment
DEFM002C	Operate night fighting equipment
DEFM103C	Operate a service hand grenade

DEFCM104C	Operate in a threat environment
DEFCM201B	Apply non-lethal unarmed self-defence techniques
DEFCO108A	Support the operation of a communications and information system facility
DEFCO401C	Maintain security in a Defence communications and information systems environment
DEFOH009B	Work safely with lasers
DEFOH012B	Identify confined space
DEFOH013B	Enter confined space
DEFOH014B	Test confined space environment
HLTFA412A	Apply advanced first aid └ HLTFA311A Apply first aid
Construction Units	
DEFTP001B	Operate a vehicle in an environment of threat └ DEFTP002B Operate a vehicle at night └ DEFTP003B Operate a vehicle over difficult terrain └ DEFTP004B Operate a vehicle using night fighting equipment (NFE) └ TLIF2010A Apply fatigue management strategies └ TLIF3013A Coordinate breakdowns and emergencies
DEFTP002B	Operate a vehicle at night └ DEFTP003B Operate a vehicle over difficult terrain └ TLIH3002A Plan and navigate routes
DEFTP003B	Operate a vehicle over difficult terrain └ TLIF3013A Coordinate breakdowns and emergencies
DEFTP004B	Operate a vehicle using night fighting equipment (NFE)
DEFTP005B	Operate a multi-axle trailer └ TLID2004A Load and unload goods/cargo └ TLIF3013A Coordinate breakdowns and emergencies
AHCARB205A	Operate and maintain chainsaws

AHCMOM203A	Operate basic machinery and equipment
CPCCCM1013A	Plan and organise work
CPCCCM1014A	Conduct workplace communication
CPCCCM1015A	Carry out measurements and calculations
CPCCCM2001A	Read and interpret plans and specifications
CPCCCM2004A	Handle construction materials and safely dispose of non-toxic materials └ CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
CPCCCM2005A	Use construction tools and equipment └ CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
CPCCCM2007A	Use explosive power tools └ CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
CPCCCM2008A	Erect and dismantle restricted height scaffolding └ CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
CPCCCM3001B	Operate elevated work platforms └ CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry └ CPCCCM2010A Work safely at heights
CPCCDE2011A	Use demolition tools and equipment └ CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
CPCCSF2003A	Cut and bend materials using oxy-LPG equipment └ CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
FPICOT2239A	Trim and cut felled trees
FPIFGM2208A	Fall trees manually (basic)
FPIFGM3204A	Fall trees manually (intermediate)

RIISAM204B	Operate small plant and equipment
RIICCM206A	Support plant operations
RIIOHS205A	Control traffic with a stop-slow bat
TLIB2003A	Carry out vehicle servicing and maintenance
TLIB2004A	Carry out vehicle inspection
TLIC2002A	Drive light rigid vehicle
TLIC3003A	Drive medium rigid vehicle
TLIC3004A	Drive heavy rigid vehicle
TLID2003A	Handle dangerous goods/hazardous substances
TLID3015A	Identify and label explosives and dangerous goods
TLID2016A	Load and unload explosives and dangerous goods
TLIF2012A	Apply safe procedures when handling/transporting dangerous goods or explosives
TLIF2010A	Apply fatigue management strategies
TLIF3013A	Coordinate breakdowns and emergencies
Only one of the following two units may be used to obtain this qualification	
CPCCCM2009A	Carry out basic demolition └ CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
CPCCCA3001A	Carry out general demolition to minor building structures └ CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry
Only one of the following two units may be used to obtain this qualification	
RIICCM208A	Carryout basic levelling
CPCCCA3023A	Carryout levelling procedures └ CPCCOHS2001A Apply OHS requirements, policies and procedures in the construction industry

Only one of the following two units may be used to obtain this qualification	
RIICCM211A	Erect and dismantle temporary fencing and gates
RIICCM301A	Construct and dismantle fences and gates
Only one of the following two units may be used to obtain this qualification	
RIICCM205A	Carry out manual excavation
RIICCM201A	Install trench support