



Australian Government

Department of Education, Employment and Workplace Relations

DEF32012 Certificate III in Military Engineering

Release: 1

DEF32012 Certificate III 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 DEF32012 Certificate III in Military Engineering

Employability Skills are part of a unit of competency.

Employability Skills statements from a selection of units of competency from the DEF32012 Certificate III 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"> • 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

	<ul style="list-style-type: none"> • operate as a team member during the conduct of security operations, defensive operations and offensive operations • 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• 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

Qualification Requirement: 22 units

All 3 core units, plus 10 units from the specialisation elective units, plus 5 general elective units from Group A, plus 4 general elective units from Group B

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

The 9 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
DEFCM001B	Use personal camouflage and concealment in a threat environment
DEFEQ001C	Work with equity and diversity
BSBCMN211A	Participate in workplace safety procedures

Code	Specialisation Elective Units
Construction Field	
DEFCA301B	Shift loads manually utilising non-motorised equipment
BCC1013A	Monitor machine operations
BCC1014A	Control construction traffic
BCC2006A	Erect/dismantle fencing and gates
BCG1007A	Erect and dismantle restricted height scaffolding
BCG1009A	Carry out excavation and install support
BCG1010A	Carry out concreting to simple forms
BCG1017A	Prepare for construction process (demolition)
BCG2002A	Oxy/LPG acetylene cutting
BCG2003A	Carry out general demolition
BCG2007A	Operate elevating work platforms (EWP)
BCG2008A	Use explosive power tools (EPT)
FPICOT2239A	Trim and cut felled trees
FPIFGM2208A	Fall trees manually (basic)
FPIFGM3204A	Fall trees manually (intermediate)

Combat Field

DEFCA001B	Observe and monitor hostile areas to detect targets
DEFCA002B	Operate remote sensors to detect targets
DEFCA003B	Operate a radar to locate targets

DEFCA004B	Conduct military searches
DEFCA005B	Operate communications equipment
DEFCA006B	Perform an individual free fall parachute descent
DEFCA007B	Perform an individual free fall parachute descent carrying combat equipment
DEFCA008B	Perform an individual static line parachute descent
DEFCA009B	Perform an individual static line parachute descent carrying combat equipment
DEFCA010B	Perform a team free fall parachute descent carrying combat equipment
DEFCA205B	Observe targets and direct single asset firepower on a single target
DEFCA206B	Observe targets and coordinate multi asset firepower on multiple targets
DEFCA302B	Assist in the construction of minefields
DEFCA303B	Assist in the preparation, construction, operation and maintenance of a field water-point
DEFCA305B	Assist in the construction of wet gap crossings
DEFCA306B	Assist in the construction of dry gap crossings
DEFCA307B	Assist in the preparation, construction and maintenance of roads and tracks
DEFCA308B	Assist in the construction and maintenance of field structures
DEFCA309B	Perform military high-risk search
DEFCA310B	Collect environmental information
DEFCA401B	Undertake security operations
DEFCA402B	Undertake defensive operations
DEFCA403B	Undertake offensive operations
DEFCA404B	Undertake reconnaissance tasks
DEFCA405B	Undertake surveillance patrol tasks
DEFCA401C	Maintain security in a Defence communications and information

systems environment

PUAOPE003B Navigate in urban and rural environments

Weapons Field

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
DEFCA417B	Destroy targets using a direct fire guided weapon system
DEFCA419B	Operate a service rifle on operations
DEFCA420B	Operate a light support weapon on operations
DEFCEM102C	Operate a light support weapon

Detector Dog Field

PSPBORD303A	Deploy detector dog
PSPBORD304A	Maintain detector dog proficiency

Explosive Ordnance Field

DEFEO101D	Work safely with explosive ordnance
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
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**Safety and
Emergency Field**

DEFOH005B	Apply radio frequency radiation safety procedures
DEFOH007B	Apply ionising radiation safety procedures
ADEFOH009B	Work safely with lasers
DEFOH012B	Identify confined space
DEFOH013B	Enter confined space
DEFOH014B	Test confined space environment
PUAEME001B	Provide emergency care
PUAFIR207B	Operate breathing apparatus open circuit
PUAFIR308B	Employ personal protection at a hazardous materials incident

Transport Field

DEFCA311B	Operate an inland tug boat
DEFCA304B	Prepare, operate and maintain small watercraft
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)
DEFTP005B	Operate a multi-axle trailer
BCCPO3002B	Conduct dozer operations
TDMMC901B	Manoeuvre a domestic vessel of less than 12 metres in length operating within inshore limits
TDMMH1202A	Plan and navigate a short voyage within inshore limits
TDTC2501A	Operate four wheel drive vehicle
TDTC297B	Drive light rigid vehicle

TDTC397B	Drive medium rigid vehicle
TDTC497C	Drive heavy rigid vehicle
TDTD397C	Handle dangerous goods/hazardous substances

Code	General Elective Units
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Group A

BCG1000A	Carry out interactive workplace communication
BCG1002A	Plan and organise work
BCG1003A	Read and interpret plans
BCG1004A	Carry out measurements and calculations
BCG1005A	Use hand and power tools
BCG1006A	Use small plant and equipment
BCG1008A	Use simple levelling devices
BCG1011A	Handle construction materials and safely dispose of waste
BSBCMN107A	Operate a personal computer
BSBCMN108A	Develop keyboard skills
BSBSUS201A	Participate in environmentally sustainable work practices

Group B

DEFEO201C	Respond to fire
PUATEA001B	Work in a team
PUATEA005A	Manage own professional performance
BSBCMN203A	Communicate in the workplace
BSBCMN206A	Process and maintain workplace information
HLTFA2A	Apply advanced first aid
PSPGOV204B	Access and use resources
PSPGOV207A	Use technology in the workplace

RTC1301A Operate basic machinery and equipment

RTC2304A Operate and maintain chainsaws
