

Consultation Strategy – Low or No Enrolments Review Project

This document describes the stakeholder consultation that AUSMASA will undertake during the review of low and no enrolment qualifications.

Project Overview

This project will undertake a desktop review of enrolment data to identify training products with low or no enrolments over the previous five years and undertake consultation to understand the reason for low or no usage. The training products within the scope of work are those within the following training packages:

- AUM – Automotive Manufacturing (AUM)
- AUR - Automotive Retail, Service and Repair (AUR)
- RII – Resources and Infrastructure Industry (Mining) (RII)

Project deliverables:

- A report and options paper for training products with low or no enrolments
- Identification of redundant training package components

To accommodate the different industry stakeholder groups for the training packages, public and government consultation will be split into two distinct phases: the automotive industry and the mining industry as follows:

- Phase 1: Public and government consultation, which will run from 4 December 2024 to 31 January 2025 and include low or no enrolment training products identified in the AUM and AUR training packages.
- Phase 2: Public and government consultation will run from 3 February to 28 February 2025 and include low—or no-enrolment training products identified in the RII (Mining) training package.

This version of the Consultation Strategy is focused on the first phase of consultation related to the automotive sector. A revised version will be published for the second phase of consultation, incorporating additional information regarding the RII (Mining) training package.

A desktop analysis has been undertaken on the usage of all AUM and AUR training package components, qualifications, units of competency, and skill sets for the five-year period 2019-2023 to identify low or no enrolment training products.

Table 2 Total AUM, AUR and RII (Mining) Training Package Products

Training Package Product	AUM	AUR	*RII (Mining)
Qualifications - Total	6	74	34
No enrolment	4	1	-
Low enrolment	1	15	10
Skill Sets - Total	0	36	6
No enrolment	-	25	3
Low enrolment	-	8	3
Units of Competency - Total	59	623	384
No enrolment	15	40	68
Low enrolment	21	205	199

Source: VOCSTATS, <http://www.ncver.edu.au/resources/vocstats.html>,

AUM/AUR Total VET students and courses extracted on 25/10/2024

RII Total VET students and courses extracted on 08/11/2024

*Excludes RII Civil Construction or Resource and Infrastructure cross industry training products

The outcomes of the public consultation will inform the development of a report with proposed options for addressing training products with low or no enrolments.

Project Activities and Timeline

This project is a routine training package development activity scheduled to be completed within twelve months. It started in March 2024 and was expected to be completed in March 2025. In April 2024, the project was put on hold due to the priority Qualification Reform Automotive Categorisation Project, which also involved reviewing and consulting about low or no enrolment qualifications. We have incorporated this feedback into this next phase of the project. The project resumed in mid-October 2024 with a revised completion date of 30 June 2025.

Table 2 Project Activities and Timelines

Activity	Timeframe
Commencement	March 2024
Conduct initial data research	March – April 2024
Review and update initial data research	October – November 2024
Phase 1 public and government consultation	6 December 2024 – 31 January 2025
Phase 2 public and government consultation	3 February – 28 February 2025
Document, review and action, as appropriate, feedback from public and government consultation	December 2024 – February 2025
Develop draft report and options paper	March 2025
Undertake further consultation(s) as appropriate	March 2025

Document, review and action, as appropriate, feedback from public and government consultation	April – May 2025
Produce final report and action any deletions	May - June 2025

Stakeholder Consultation

The consultation aims to gather feedback on the following topics:

- The reasons for low or no enrolment in the identified training products.
- The potential impacts on current learners if these products were removed from the National Training Register.
- The need for support for Registered Training Organisations (RTOs) or the necessity to develop new products or revise existing training products to better meet the needs of industry and training providers.

Key stakeholder organisations have been identified for this project, and we will ensure each is contacted to seek their participation and gather feedback on the draft training products. Interested parties will be invited to contribute their insights through broad public consultation. All RTOs with identified low and no enrolment training package products on their scope will receive an email to inform them of the project and invite them to participate in the consultation process.

The consultation will identify low enrolment components that support thin markets, including industry in regional, rural, or remote areas. We will consult directly with key stakeholders on these products to ensure we gather information and feedback to understand the reasons for low usage and determine appropriate actions to support increased uptake.

To keep up to date with project developments and be notified of consultation opportunities stakeholders are encouraged to:

- Review the [project webpage](#) and subscribe for project updates.
- [Subscribe](#) to Projects and Open Consultations
- [Subscribe](#) to The Journey newsletter
- [Follow](#) AUSMASA on LinkedIn

Stakeholder Groups

A wide range of stakeholders will inform the project. Consultation is not limited to the organisations listed below, and all interested participants are encouraged to engage in this project's consultation.

Key entities

Key entities in the training package product development and endorsement process are notified of the project commencement and provided the opportunity to provide feedback throughout the consultation and key stages throughout the project as follows:

- **Senior Responsible Officers (SROs)/State Training Authorities (STAs)** at the commencement of public consultation, including a project update, and invited to identify any key stakeholders in their jurisdiction, including any areas of focus regarding regional, rural and remote locations, vulnerable and minority cohorts. SROs will be provided with the

opportunity to review the final report and list of training package components identified as redundant for a minimum of two weeks.

- **Jobs and Skills Councils (JSCs)** will be notified at the commencement of public consultation and provided with a list of training package products within the scope of this project that are imported into their training package products and invited to review these components and provide feedback on any impacts or issues to be addressed.

Table 3 provides a list of the key entities to be engaged in this project.

Table 3 Key Entities

Organisation	Location	Stakeholder type
BuildSkills Australia	National	JSC
Future Skills Organisation	National	JSC
HumanAbility	National	JSC
Industry Skills Australia	National	JSC
Manufacturing Industry Skills Alliance	National	JSC
Service and Creative Skills Australia	National	JSC
Skills Insight	National	JSC
Powering Skills Organisation Ltd	National	JSC
Public Skills Australia	National	JSC
Department of Employment and Workplace Relations	Commonwealth	SRO
Skills Canberra	ACT	SRO/STA
Department of Education NSW, Skills Policy	NSW	SRO/STA
Northern Territory Government, Training Package Development	NT	SRO
Department of Employment, Small Business and Training	QLD	SRO/STA
Skills SA	SA	SRO/STA
Skills Tasmania, Department of State Growth	TAS	SRO
Department of Jobs, Skills, Industry and Regions (DJSIR)	VIC	SRO
Department of Training and Workforce Development (DTWD) WA	WA	SRO
Department of Industry, Tourism and Trade	NT	STA
Victorian Skills Authority	VIC	STA

Organisation	Location	Stakeholder type
WA State Training Board	WA	STA
Assurance Body	Commonwealth	

Key industry stakeholders and RTOs

AUSMASA has identified several key industry stakeholders, see the Automotive and Mining industry stakeholder lists, Tables 4 to 7, who will be invited to participate in consultation about identified low and no enrolment components for their industry. For the automotive industry, these include RTOs that participated and provided insights about the reasons for low and no enrolments as part of the qualification reform [Automotive Categorisation Project](#).

Table 4 Industry Stakeholders – SWAP Representatives

Name	Organisation	Stakeholder Type	SWAP
Bruce McIntosh	Tasmanian Automotive Chamber of Commerce	Peak Body	Automotive
Claudia Carsten	Mining and Automotive Industry Training Council		Automotive
Deborah Joyce	Automotive Training Board New South Wales	Peak Body	Automotive
Ian Price	Motor Traders' Association of New South Wales	Industry Association	Automotive
Jason Trewin	I-CAR Australia in Victoria	RTO	Automotive
Jodie Ryan - MTASANT	Motor Trade Association of SA & NT	Industry Association	Automotive
Jonathon Maile	Engineering, Transport and Defence, South Metropolitan TAFE in Western Australia.	RTO	Automotive
Kate Evans	Cummins Asia Pacific	Employer	Automotive
Lesley Yates	Australian Automotive Aftermarket Association	Industry Association	Automotive
Matthew Tosolini	Komatsu Australia	RTO/Employer	Automotive
Melissa Mangano	United Forklift and Access Solutions	Employer	Automotive
Michael Rose	Heavy Vehicle Industry Association	Industry Association	Automotive

Name	Organisation	Stakeholder Type	SWAP
Paul Baxter	Australian Manufacturing Workers Union	Union	Automotive
Vanessa Garbett	Electrical Trades Union of Australia	Union	Automotive
Elizabeth Gibson	Construction Material Processors Association	Industry Association	Mining
Ben Lewis	One Key Resources	Employer	Mining
Jodie Badcock	Resources and Engineering Skills Alliance		Mining
Karolina Szukalska	Minerals Council of Australia		Mining
Osama Ali	Caterpillar	Employer	Mining
Robert Petherbridge	TAFE Queensland	RTO	Mining
Scott Layton	BHP	Employer	Mining
Shane Roulstone	Australian Workers Union	Union	Mining
Stephen Watts	Queensland's Mining and Energy Union	Union	Mining
Tim Westcott	Australian Drilling Industry Association	Industry Association	Mining
Vanessa Skipworth	Tasmanian Minerals, Manufacturing and Energy Council	Peak body	Mining
Zane Hughes	Cooperative Research Centre for Transformations in Mining Economies		Mining

Table 5 Mining Industry Stakeholders

Organisation	Representation	Stakeholder Type
Mining & Energy Union	NSW, QLD, WA, VIC, TAS	Union
The Western Mine Workers Alliance	WA	Union
Australian Workers Union (AWU)	National	Union
Construction, Forestry, Mining and Energy Union (CFMEU)	NSW, QLD	Union

Organisation	Representation	Stakeholder Type
Department of Energy, Mines, Industry Regulation and Safety (DEMIRS)	WA	Government
Department of Resources	QLD	Government
Resources Safety & Health Queensland	QLD	Government
Resources Victoria	VIC	Government
The Department for Energy and Mining (DEM)	SA	Government
Mineral Resources Tasmania	TAS	Government
The Chamber of Minerals and Energy of Western Australia (CME)	WA	Peak body
Fire Protection Association Australia (FPA Australia)	National	Industry association
AFAC (National Council for fire and emergency services)	National	Peak body
Queensland Mines Rescue Service (QMRS)	QLD	Accredited provider of coal mine rescue services in Queensland
Coal Services Mines Rescue Pty Ltd	NSW	RTO
Resources Industry Training Council	WA	Peak body
Mount Isa Mines (Underground mine minerals processing)	QLD	Employer
Additional employers will be identified through direct engagement with the automotive industry stakeholders listed above.	Australia-wide	Employer

Table 6 Automotive Industry Stakeholders

Organisation	Representation	Stakeholder Type
Australian Automotive Dealer Association (AADA)	National	Peak Body
Australian Automotive Aftermarket Association (AAAA)	National	Industry Association
Australian Chamber of Commerce and Industry (ACCI)	National	Industry Association
Bicycle Industries Australia	National	Industry Association
Boating Industry Association Australia	National	Industry Association
Bus Industry Confederation	National	Industry Association
Capricorn	National	Industry Association

Organisation	Representation	Stakeholder Type
Federal Chamber of Automotive Industries (FCAI)	National	Industry Association
Institute of Accident Assessors	National	Industry Association
Institute of Automotive Mechanical Engineers	National	Peak Body
MTAA - Motor Trades Association of Australia Limited	National	Industry Association
MTANSW - Motor Traders Association of New South Wales	NSW	Industry Association
MTAQ - Motor Trades Association of Queensland	QLD	Industry Association
MTAWA - Motor Trade Association of WA	WA	Industry Association
National Australian Apprenticeship Association	National	Industry Association
Outdoor Power Equipment Association	National	Industry Association
Tractor and Machinery Association of Australia	National	Industry Association
Heavy Vehicle Industry Australia (HVIA)	National	Industry Association
Individual employers will be identified through direct engagement with the automotive industry stakeholders listed above.	Australia-wide	Employer
Victorian Automotive Chamber of Commerce (VACC)	VIC	Industry Association
Specialised Textiles Association	National	Industry Association

Table 7 Registered Training Organisations (RTOs)

Organisation	Representation	Industry
<p>ALL RTOs in training.gov.au with training package components within the scope of this project, see Appendix 1.</p> <p>This includes the 16 RTOs that provided feedback on low and no enrolment qualifications as part of the Automotive Categorisation Project.</p>	Australia-wide	Mining
<p>ALL RTOs in training.gov.au with training package components within the scope of this project, see Appendix 1.</p>	Australia-wide	Automotive

Table 8 Jurisdictional Distribution of Stakeholders

Stakeholder type	National	ACT	NSW	NT	QLD	SA	TAS	VIC	WA
RTO	✓	✓	✓	✓	✓	✓	✓	✓	✓
Employer	✓								
Union	✓		✓		✓		✓	✓	✓
Industry association/peak body	✓						✓		✓
State and territory Officials	✓	✓	✓	✓	✓	✓	✓	✓	✓

Key stakeholder consultation mechanisms / approaches

We will use various consultation mechanisms including direct engagement and online methods to connect with a wide range of stakeholders.

Consultation type: Direct Email

- Email notification will be sent to:
 - RTOs with the identified low and no enrolment components on scope, including those that participated in the Automotive Categorisation Project.
 - Industry Associations
 - SROs and STAs.
 - Other JSCs.
- Notification will advise the commencement of public consultation, provide instructions for providing feedback, and invite attendees to register for the webinar.

Consultation type: Webinar

- Outlining project details
- Inviting broad consultation
- Access to recording of webinar via the consultation tab on the project web page.

Consultation type: Public Consultation

- Public consultation will be undertaken in two separate stages, one for the automotive industry and one for the mining industry as follows:
 - Phase 1: Public and government consultation will run from 4 December 2024 to 31 January 2025 and include low or no enrolment training products identified in the AUM and AUR training packages.
 - Phase 2: Public and government consultation will run from 3 February to 28 February 2025 and include low or no enrolment training products identified in the RII (Mining) training package.
- The following components will be published on the project page:
 - Project overview.

- Overview of initial analysis including a list of training package components identified as having low and no enrolments.
- Link to a feedback survey.
- Feedback is documented in the consultation log.

Consultation type: Interviews with targeted stakeholder groups

The aim of the stakeholder interviews is to gather information to understand the reasons for low or no enrolment and to inform options for addressing training products with low or no enrolment in the project reports. These interviews also provide an opportunity to identify delivery to vulnerable and minority cohorts and gather information to inform appropriate responses or further investigations.

- As part of the Automotive Categorisation Project, we interviewed 13 RTO stakeholders about low and no enrolment components in the AUM and AUR training packages.
- Additional interviews will be undertaken with industry and RTO stakeholders for low and no enrolment in identified training products in the AUM, AUR, and RII training packages.
- Interviews will investigate and identify vulnerable and minority cohorts, including women, people with disability, culturally and linguistically diverse communities and First Nations people.

Project Contact

For further details regarding this project:

- Senior Project Advisor – VET Implementation, Lee-Anne Gascoyne

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Version Control

Version Number	Date	Author	Reviewed By	Approved By	Description of Change
1.0	28/11/2024	Lee-Anne Gascoyne	Simon Hester	Simon Hester	Initial draft created
2.0	12/12/24	Lee-Anne Gascoyne	Simon Hester	Simon Hester	Correction in Table 1 for low or no enrolment AUM qualification numbers
3.0	26/02/2025	Lee-Anne Gascoyne	Simon Hester	Simon Hester	Addition of mining industry low or no enrolment training products from RII Resource and Infrastructure Training Package added to Appendix 1

Appendix 1 Training Products Under Consultation

AUM Automotive Manufacturing Training Package

The AUM—Automotive Manufacturing Training Package comprises six qualifications, catering to two sectors of automotive manufacturing: passenger vehicles and heavy vehicles. Since the closure of passenger vehicle manufacturing in Australia, qualifications related to this industry had zero enrolments during the reporting period from 2019 to 2023. In contrast, the heavy vehicle sector, which focuses on manufacturing buses, trucks, and trailers, has low enrolments in the Certificate II pathways qualification.

AUM Training Products - No Enrolment – 2019-2023

Bus, Truck and Trailer Sector

Qualification Code and Title	Unit Code and Title
None	AUMGTD001 Perform wheel alignment operations

Common Sector

Qualification Code and Title	Unit Code and Title
AUM40113 - Certificate IV in Automotive Manufacturing	AUMFA002 Maintain workplace relationships
AUM50113 - Diploma of Automotive Manufacturing	AUMAMA001 Contribute to production goals
	AUMAMA004 Coordinate automotive project activities
	AUMASM001 Monitor and maintain a safe automotive work environment

Passenger Vehicle Sector

Qualification Code and Title	Unit Code and Title
AUM20118 - Certificate II in Automotive Manufacturing Production - Passenger Motor Vehicle	AUMFMM001 Reduce cycle time in automotive manufacturing work processes
AUM30113- Certificate III in Automotive Manufacturing Technical Operations - Passenger Motor Vehicle	AUMFMM002 Reduce waste in automotive manufacturing work processes
	AUMFMM003 Plan and organise automotive production and assembly processes
	AUMFQM001 Apply continuous improvement in automotive manufacturing

Qualification Code and Title	Unit Code and Title
	AUMFQM002 Sustain quality standards in an automotive manufacturing workplace
	AUMFTA006 Develop research reports on vehicle design, development and production
	AUMFTA007 Evaluate vehicle design, development and production information
	AUMFTK001 Test automotive production components, equipment and systems
	AUMFTM002 Create new product designs
	AUMFTM003 Develop conceptual models and prototypes

AUM Training Products - Low Enrolment – 2019-2023

Bus, Truck and Trailer Sector

Qualification Code and Title	2019	2020	2021	2022	2023
AUM20218 - Certificate II in Automotive Manufacturing Production - Bus, Truck and Trailer	41	31	28	8	13

Unit Code and Title	2019	2020	2021	2022	2023
AUMGCA001 Provide customer service	42	18	29	40	29
AUMGMA001 Participate in workplace productivity improvement processes	16	42	47	44	62
AUMGTA002 Service vehicle after assembly	16	2	10	11	15
AUMGTB011 Assemble, install and test braking system kits	6	29	47	54	39
AUMGTM007 Assemble, install and test pneumatic system kits	40	54	80	33	58
AUMGTM013 Install or replace mechanical units and assemblies	0	37	44	24	54
AUMGTN001 Replace and repair vehicle body panels and fittings	55	48	37	68	33
AUMGTP001 Finish and paint vehicle body and part surfaces	48	28	28	24	20
AUMGTP002 Rework vehicle paint faults	3	0	0	0	0
AUMGTR001 Install and replace vehicle electrical units and assemblies	13	3	0	0	0
AUMGTR002 Manufacture and modify vehicle wiring harnesses	58	44	68	63	88
AUMGTS003 Fabricate plugs	19	23	27	26	32
AUMGTT001 Apply trim to vehicle components	59	40	65	75	33
AUMGTW003 Perform manual metal arc welding	55	47	56	57	60

Unit Code and Title	2019	2020	2021	2022	2023
AUMGTY001 Paint vehicle chassis and panels	33	63	75	36	38

Common Sector

Unit Code and Title	2019	2020	2021	2022	2023
AUMABA012 Operate load shifting equipment	0	0	0	0	5
AUMAMA002 Work effectively in teams	181	26	18	5	14
AUMAMM001 Influence and lead work groups in an automotive manufacturing workplace	0	2	0	0	0
AUMASA011 Apply safe work practices in the automotive manufacturing environment	0	33	27	7	14
AUMATA008 Produce drawings manually	43	0	0	0	0

Passenger Vehicle Sector

Unit Code and Title	2019	2020	2021	2022	2023
AUMFBM001 Prepare and process automotive materials and components	27	23	24	9	13

AUR Automotive Retail, Service and Repair Training Package

The AUR Automotive Retail, Service and Repair Training Package comprises 47 qualifications, 36 skill sets and 624 units of competency across nine industry sectors: bicycle, automotive electrical, mechanical, motor sport, outdoor power equipment, marine, sales and parts, administration and management, and body repair. The initial analysis shows that there are low and/or no enrolment training package products across each industry sector.

AUR Training Products - No Enrolment – 2019-2023

Common Sector

Skill Set Code and Title	Unit Code and Title
AURSS00050 - Vehicle Body Repair Estimator	AURAF110 Identify routine problems in an automotive workplace

Bicycle Sector

Skill Set Code and Title	Unit Code and Title
AURSS00062 - Electric Bicycles	AURBTA005 Restore bicycles AURBTA106 Assemble components for custom bicycles

Automotive Electrical Sector

Skill Set Code and Title	Unit Code and Title
AURSS00041 - Vehicle Air Conditioning Install and Overhaul	AURETH114 Diagnose complex faults in hybrid and battery electric vehicle network management systems
AURSS00042 - Vehicle Air Conditioning Installation	AURETR049 Install in-vehicle entertainment and convenience
AURSS00043 - Vehicle Air Conditioning Overhaul	AURETR051 Diagnose, repair and replace precision agriculture systems
AURSS00045 - Vehicle Refrigerant Recovery	
AURSS00049 - Vehicle Climate Control and HVAC Diagnostic Specialist	

Mechanical Sector

Light Vehicle

Skill Set Code and Title	Unit Code and Title
AURSS00052 - Light Vehicle Wheel Alignment	AURLLD011 Determine compliance of steering and suspension modifications
AURSS00054 - Light Vehicle Automatic Driveline Technology	AURLTD013 Carry out advanced light vehicle wheel alignment operations
AURSS00056 - Light Vehicle Manual Driveline Technology	AURLTJ104 Provide advice on the effects of light vehicle wheel and tyre combinations

Heavy Vehicle

Skill Set Code and Title	Unit Code and Title
AURSS00036 - Heavy Commercial Vehicle Skill Set for Light Vehicle Technicians	AURHTA001 Carry out heavy vehicle pre-repair cleaning
AURSS00038 - Mobile Plant Skill Set for Agricultural Equipment Technicians	AURHTL101 Inspect, diagnose and repair alternative fuel systems in heavy vehicle engines
AURSS00039 - Mobile Plant Skill Set for Heavy Commercial Vehicle Technicians	
AURSS00040 - Mobile Plant Skill Set for Light Vehicle Technicians	
AURSS00053 - Heavy Vehicle Wheel Alignment	
AURSS00055 - Heavy Vehicle Automatic Driveline Technology	
AURSS00057 - Heavy Vehicle Manual Driveline Technology	

Motorcycle

None

Mobile Plant

Skill Set Code and Title	Unit Code and Title
None	AURKTX103 Diagnose complex faults in mobile plant transmission and driveline systems

Lifting Equipment

None

Miscellaneous

Skill Set Code and Title	Unit Code and Title
AURSS00026 - Percussive Drill Maintenance and Advanced Systems Diagnosis	AURTTB012 Attach friction materials and radius grind
AURSS00031 - Automotive LNG Service and Repair	AURTTL015 Develop and apply gas fuel system modifications
AURSS00059 - LNG Fuel Systems	AURTTM001 Operate and monitor computer numerical control machines
AURSS00060 - CNG Fuel Systems	AURTTS101 Fabricate exhaust systems and components
	AURTTX011 Overhaul torque converters

Motor Sport Sector

Skill Set Code and Title	Unit Code and Title
AURSS00061 - Motorsports Marketing	AURMBA101 Transport light competition vehicles and support equipment
	AURMCA101 Manage motor sport team media liaison
	AURMCA102 Manage motor sport team promotional partnerships and marketing
	AURMDA107 Act as a steward at motor sport events
	AURMGA101 Set up and dismantle temporary work location and equipment at motor sport events
	AURMGA102 Manage personal presentation and development in a motor sport environment
	AURMLA001 Apply motor sport rules and regulations when officiating
	AURMMA103 Manage motor sport operations
	AURMMA104 Manage motor sport team development
	AURMTA101 Prepare and service light competition vehicles

Skill Set Code and Title	Unit Code and Title
	AURMTA103 Determine material suitability for competition vehicle components

Outdoor Power Equipment Sector

None

Marine Sector

Skill Set Code and Title	Unit Code and Title
AURSS00051 - Marine Transition	AURPTR106 Deploy and service autonomous outdoor power equipment AURRTR108 Diagnose and repair marine network electronic control systems

Sales and Parts, Administration and Management Sector

Qualification Code and Title	Unit Code and Title
AUR20116 - Certificate II in Automotive Administration	AURSAA002 Maintain customer aftermarket relations AURSCP101 Provide information to customers on automotive refinishing products

Body Repair Sector

Skill Set Code and Title	Unit Code and Title
AURSS00047 - Advanced Body Repair Welding AURSS00048 - Advanced Vehicle Refinishing	AURVNA107 Apply automotive mechanical and electrical knowledge to vehicle loss assessments AURVTN043 Install external vehicle equipment AURVTN112 Install vehicle sunroofs AURVTN140 Repair vehicle plastic components AURVTN143 Identify and repair high strength aluminium components AURVTT006 Apply trimming adhesives

AUR Training Products - Low Enrolment – 2019-2023

Common Sector

Unit Code and Title	2019	2020	2021	2022	2023
AURAAA001 Work in an automotive administration role	16	11	16	20	34
AURACA102 Manage complex customer requirements in an automotive workplace	20	6	11	13	24
AURAKA001 Use information technology systems	27	17	14	26	24
AURAKA002 Adapt work processes to new technologies in an automotive workplace	42	7	13	46	50
AURALA001 Comply with legal aspects of a service and repair contract in an automotive workplace	0	0	0	2	0
AURANN011 Estimate and quote automotive body repairs	2	7	7	10	13
AURAQA003 Maintain quality processes in an automotive workplace	51	58	53	33	32
AURATA004 Provide technical guidance	16	11	12	13	26

Bicycle Sector

Qualification Code and Title	2019	2020	2021	2022	2023
AUR20320 - Certificate II in Bicycle Mechanical Technology	64	24	67	60	41

Unit Code and Title	2019	2020	2021	2022	2023
AURBCA102 Select and adjust bicycles to fit riders	73	52	28	20	17
AURBTA007 Provide mechanical support during cycling events	0	2	0	0	0
AURBTA102 Adjust bicycles and components	0	0	3	23	28
AURBTA103 Assemble bicycles	0	0	0	28	44
AURBTA108 Disassemble and pack a bicycle for transport	0	0	0	29	44
AURBTD104 Repair and overhaul bicycle suspension systems	0	0	0	25	30
AURBTR002 Install and adjust bicycle electronic gear shifters	7	26	27	7	0
AURBTR101 Inspect and service electric power-assisted bicycles	0	0	0	38	8
AURBTR103 Retrofit electric drivetrain systems to bicycles	0	0	0	38	7
AURBTR104 Diagnose and repair electric bicycles	0	0	0	33	2
AURBTY001 Repair bicycle frames	19	18	7	26	38

Body Repair Sector

Qualification Code and Title	2019	2020	2021	2022	2023
AUR40520 - Certificate IV in Vehicle Loss Assessing	15	12	0	0	0
AUR40720 - Certificate IV in Automotive Body Repair Technology	25	18	7	11	2

Skill Set Code and Title	2019	2020	2021	2022	2023
AURSS00046 - Advanced Body Repair Skill Set	0	0	0	57	5
AURSS00027 - Automotive CNG Installation, Service and Repair Skill Set	0	15	0	0	0
AURSS00028 - Automotive CNG Service and Repair Skill Set	34	0	8	0	0

Unit Code and Title	2019	2020	2021	2022	2023
AURVLA001 Identify and report vehicle claim fraud indicators	16	8	0	0	0
AURVNA001 Provide vehicle loss assessments and identify repair requirements	14	10	0	0	0
AURVNA002 Provide vehicle total loss assessments	9	8	0	0	0
AURVNA003 Review vehicle repair quotations	17	17	3	8	12
AURVNA004 Apply insurance industry knowledge to vehicle loss assessments	13	10	0	0	0
AURVNA005 Inspect quality of vehicle repair work	14	19	7	10	12
AURVNA006 Identify and value vehicle salvage	15	10	0	0	0
AURVNA008 Apply automotive body and paint knowledge to vehicle loss assessments	8	6	0	0	9
AURVNN101 Evaluate vehicle bodywork for damage and identify repair requirements	0	0	0	0	7
AURVNP101 Evaluate vehicle paintwork for damage and identify refinish requirements	0	3	4	15	18
AURVTG006 Apply vehicle window tinting	4	3	10	26	13
AURVTG103 Remove and install butyl sealed windscreens	0	0	5	13	1
AURVTG105 Remove and install framed type windscreens	0	0	0	10	25
AURVTG112 Remove and install heavy vehicle rubber and direct glazed windscreens	0	0	2	42	73
AURVTG113 Remove and install large vehicle windscreens	0	0	4	47	78
AURVTK001 Use and maintain vehicle body repair hand tools	89	72	39	13	40
AURVTN001 Remove and tag vehicle body components	66	11	88	48	40
AURVTN009 Clean vehicle engines and engine components	71	48	102	71	42

Unit Code and Title	2019	2020	2021	2022	2023
AURVTN010 Clean vehicle underbody	14	17	33	42	6
AURVTN021 Repair vehicle body components using lead wiping	8	2	4	5	1
AURVTN030 Service air compressors and air lines	125	96	13	0	0
AURVTN039 Set up body alignment equipment on vehicles	0	0	10	20	6
AURVTN041 Remove and realign vehicle body panels	53	30	23	16	46
AURVTN042 Dismantle vehicle components	20	49	6	6	7
AURVTN133 Service and repair air compressors and components	0	0	29	39	42
AURVTN134 Evaluate vehicle body repair materials, equipment and work processes	0	0	3	2	0
AURVTN137 Test vehicle components for correct operation	0	0	0	3	2
AURVTN138 Carry out basic repairs to vehicle body panels	0	0	0	29	44
AURVTP026 Apply basic airbrush techniques to vehicle body panels	10	3	9	4	17
AURVTP129 Prepare surface and prime repaired body panels	0	0	0	32	70
AURVTP130 Apply paint to vehicle body panels	0	0	0	8	14
AURVTP131 Cut and polish painted vehicle body panels	0	0	0	26	21
AURVTP132 Prepare and mask vehicle body panel surfaces	0	0	0	27	14
AURVTS001 Fabricate wooden components for vehicles	0	0	0	0	11
AURVTS006 Fabricate automotive and marine trim components	47	38	65	42	55
AURVTS103 Fabricate vehicle composite material components	0	0	0	0	4
AURVTS104 Repair vehicle composite material components	0	0	0	7	52
AURVTS105 Fabricate vehicle body panels and components	0	0	0	17	54
AURVTT001 Carry out sewing repairs to automotive and marine trim	5	7	4	0	0
AURVTT002 Carry out repairs and alterations to automotive and marine trim	54	38	57	40	39
AURVTT004 Trim vehicle components	35	27	40	25	36
AURVTT005 Select trim and fabric materials	53	26	49	43	42
AURVTT010 Remove and manufacture or repair vehicle head lining	54	52	59	40	24
AURVTT012 Conduct sewing operations	52	36	55	61	39
AURVTT013 Fabricate and fit loose and fitted covers to vehicle seats and components	16	32	41	27	33
AURVTT014 Fabricate and fit marine covers	19	26	25	37	23
AURVTT015 Fabricate and install canvas products for automotive and marine components	17	26	31	38	33

Unit Code and Title	2019	2020	2021	2022	2023
AURVTT017 Fabricate and install automotive and marine floor coverings	17	29	18	41	19
AURVTT018 Fabricate and install automotive and marine soft top hoods	25	23	18	41	23
AURVTT020 Select and use leather in automotive and marine trimming	20	16	21	24	24
AURVTT119 Fabricate and install automotive and marine frames, canopies and side curtains	0	0	0	14	23
AURVTW002 Carry out oxyacetylene brazing of components	43	34	30	31	35
AURVTW006 Carry out thermoplastic welding on vehicle trim components	50	58	86	62	25

Automotive Electrical Sector

Qualification Code and Title	2019	2020	2021	2022	2023
AUR40620 - Certificate IV in Automotive Electrical Technology	23	22	49	41	63

Skill Set Code and Title	2019	2020	2021	2022	2023
AURSS00029 Automotive Electrical Skill Set for Light Vehicle Technicians	0	3	2	6	0

Unit Code and Title	2019	2020	2021	2022	2023
AURETA001 Analyse and evaluate electrical and electronic faults in electronic over hydraulic systems	98	16	2	0	0
AURETA005 Analyse and evaluate electrical and electronic faults in theft-deterrent systems	94	85	38	63	27
AURETH013 Analyse and evaluate electrical and electronic faults in HEV and BEV management systems	60	67	58	26	0
AURETH104 Diagnose and repair traction motor speed control systems in battery electric vehicles	0	0	15	12	52
AURETH105 Diagnose and repair high voltage traction motors in battery electric vehicles	0	0	12	41	56
AURETH106 Diagnose and repair auxiliary motors and associated components in battery electric vehicles	5	0	11	13	53
AURETH108 Diagnose and repair HVAC and rechargeable energy storage cooling systems in battery electric vehicle	0	0	11	9	43
AURETH109 Diagnose and repair DC to DC converters in battery electric vehicles	0	0	15	17	45

Unit Code and Title	2019	2020	2021	2022	2023
AURETR002 Inspect heavy vehicle battery storage systems	14	0	0	0	0
AURETR019 Inspect, service and repair AC electric motor drive systems	14	12	4	0	1
AURETR033 Develop and apply network electronic control system modifications	0	0	0	0	2
AURETR045 Inspect, service and repair DC electric motor drive systems	18	29	46	52	25
AURETR104 Diagnose complex faults in convenience and entertainment systems	0	0	17	16	13
AURETR138 Diagnose complex faults in motorcycle electrical and electronic systems	0	0	1	0	0
AURETR139 Diagnose complex faults in light vehicle theft-deterrent systems	0	0	0	4	3
AURETR140 Diagnose complex faults in vehicle monitoring and protection systems	0	0	0	27	9
AURETR149 Apply knowledge of ADAS technology in vehicle pre-repair scans	0	0	0	34	170
AURETR236 Diagnose and repair electronically controlled suspension systems	20	31	33	27	31

Mechanical Sector

Light Vehicle

Qualification Code and Title	2019	2020	2021	2022	2023
AUR21820 - Certificate II in Automotive Steering and Suspension System Technology	19	43	65	86	93
AUR21520 - Certificate II in Automotive Cylinder Head Reconditioning	137	103	49	44	42

Unit Code and Title	2019	2020	2021	2022	2023
AURLTD002 Service and repair light vehicle lift assisted suspension systems	5	2	3	10	9
AURLTD008 Replace and refit steering, suspension and braking system components	0	0	0	0	3
AURLTD101 Select and install performance enhanced suspension system products	0	0	0	1	13
AURLTF101 Diagnose and repair light vehicle mechanical fuel injection systems	0	0	19	36	32

Heavy Vehicle

Qualification Code and Title	2019	2020	2021	2022	2023
AUR31420 - Certificate III in Automotive Diesel Fuel Technology	24	19	37	26	23
AUR31820 Certificate III in Heavy Commercial Trailer Technology	46	40	60	54	55

Unit Code and Title	2019	2020	2021	2022	2023
AURHTB003 Overhaul hydraulic and air over hydraulic braking system components	42	120	58	3	1
AURHTB106 Diagnose complex faults in heavy commercial vehicle braking systems	0	0	13	27	23
AURHTD001 Inspect heavy commercial vehicle suspension systems	110	132	12	3	0
AURHTD005 Analyse and evaluate faults in heavy commercial vehicle steering and suspension systems	0	0	3	2	0
AURHTD106 Diagnose complex faults in heavy commercial vehicle steering and suspension systems	0	0	13	24	25
AURHTE004 Analyse and evaluate faults in heavy commercial vehicle engine and fuel systems	0	0	2	0	5
AURHTE103 Diagnose complex faults in heavy vehicle diesel engines	0	0	13	26	21
AURHTF001 Inspect heavy commercial vehicle fuel systems	85	86	88	92	29
AURHTJ007 Remove, inspect, repair and refit industrial tyres and tubes	0	3	87	50	99
AURHTR105 Diagnose and repair heavy commercial trailer electronically controlled roll stability systems	0	0	1	0	0
AURHTX002 Inspect, test and replace heavy vehicle automatic transmissions	22	30	34	45	54
AURHTX106 Diagnose complex faults in heavy commercial vehicle transmission and driveline systems	0	0	7	24	31
AURHTY001 Inspect and service mechanical connections of heavy vehicles and trailers over 4.5 tonnes	0	1	20	43	24

Motorcycle

Unit Code and Title	2019	2020	2021	2022	2023
AURJTA001 Carry out minor adjustments to motorcycles	45	27	33	27	20
AURJTA002 Remove and replace motorcycle components and accessories	41	29	18	0	3
AURJTD001 Inspect motorcycle suspension systems	11	0	0	0	0
AURJTD002 Inspect motorcycle steering systems	66	28	9	24	32
AURJTD105 Diagnose complex faults in motorcycle steering and suspension systems	0	0	5	0	0

Unit Code and Title	2019	2020	2021	2022	2023
AURJTE102 Diagnose complex faults in motorcycle engine and transmission systems	0	0	2	0	0
AURJTJ003 Remove and refit motorcycle wheel and tyre assemblies	18	4	10	22	21
AURJTX103 Diagnose and repair motorcycle automatic transmissions	0	0	3	40	81
AURJTY001 Repair and align motorcycle frames	10	1	0	0	0

Mobile Plant

Unit Code and Title	2019	2020	2021	2022	2023
AURKKJ001 Manage use of tyre management software	0	0	0	0	2
AURKTA001 Synchronise plant and equipment	14	65	109	74	47
AURKTA003 Inspect, service and repair crop planting and seeding equipment	10	16	61	22	85
AURKTA109 Diagnose complex faults in mobile plant hydraulic systems	0	0	2	4	2
AURKTB103 Diagnose complex faults in mobile plant braking systems	0	0	1	0	0
AURKTD105 Diagnose complex faults in mobile plant steering and suspension systems	0	0	6	0	0
AURKTJ013 Perform minor repairs to earthmoving and off-the-road tyres	0	5	0	2	0
AURKTX104 Diagnose and repair continuously variable transmissions	0	0	0	7	24

Lifting Equipment

Unit Code and Title	2019	2020	2021	2022	2023
AURNTA001 Inspect, service and repair forklift mast assemblies	30	27	22	17	44
AURNTB101 Diagnose and repair forklift hydraulic braking systems	0	0	5	10	36
AURNTD101 Diagnose and repair forklift hydrostatic steering systems	0	0	9	10	33

Miscellaneous

Skill Set Code and Title	2019	2020	2021	2022	2023
AURSS00032 Automotive LPG Installation, Service and Repair	17	18	26	119	31
AURSS00033 - Automotive LPG Service and Repair	51	3	1	31	0
AURSS00058 - LPG Fuel Systems	0	0	0	0	3

Unit Code and Title	2019	2020	2021	2022	2023
AURTTA007 Inspect, service and repair pneumatic systems	2	3	0	0	13

Unit Code and Title	2019	2020	2021	2022	2023
AURTTA008 Produce patterns and templates	61	10	6	8	0
AURTTA014 Assemble and install pneumatic system components	26	27	23	31	66
AURTTTC002 Repair radiators	0	0	3	0	0
AURTTD001 Inspect steering systems	0	0	27	43	69
AURTTD005 Overhaul steering system components	278	372	223	82	49
AURTTD007 Remove and replace steering assemblies	106	124	108	44	46
AURTTE006 Remove and replace conventional engine assemblies	3	0	0	9	0
AURTTTF003 Overhaul diesel fuel injection system components	57	113	70	17	18
AURTTTF007 Overhaul carburettor fuel system components	44	30	4	0	0
AURTTTL001 Inspect and service CNG fuel systems	39	14	6	0	0
AURTTTL003 Install CNG fuel systems	0	10	2	3	1
AURTTTL009 Install LPG fuel systems	22	14	21	107	41
AURTTTL014 Analyse and evaluate faults in gas fuel systems	0	0	2	0	0
AURTTTL102 Diagnose and repair CNG fuel systems	39	11	6	0	0
AURTTTL104 Inspect and service LNG fuel systems	0	0	2	4	0
AURTTTL105 Diagnose and repair LNG fuel systems	0	0	2	3	1
AURTTTL111 Diagnose complex faults in CNG fuel systems	0	0	0	7	1
AURTTTL112 Diagnose complex faults in LNG fuel systems	0	0	0	7	1
AURTTTL113 Diagnose complex faults in LPG fuel systems	0	0	0	16	23
AURTTM002 Repair bearing tunnels and connecting rods in engines	19	22	32	17	13
AURTTM003 Apply metal to rebuild engine components	0	0	5	2	1
AURTTM005 Balance rotating and reciprocating engine components	16	12	27	21	4
AURTTM006 Perform advanced machining and blueprinting of engine components	4	0	3	6	1
AURTTM007 Carry out crankshaft grinding	14	15	31	24	8
AURTTM009 Fit sleeves and bore and hone engine cylinders	11	21	31	16	26
AURTTM010 Heat treat, straighten and reclaim engine components	16	21	29	17	12
AURTTM012 Carry out camshaft grinding	19	17	26	18	10
AURTTQ004 Overhaul final drive assemblies	259	367	186	69	48
AURTTW002 Set, operate and monitor specialist reconditioning machines	6	0	9	10	2
AURTTW003 Carry out machining operations	25	29	35	26	27
AURTTX001 Remove and tag driveline components	2	0	0	0	0

Unit Code and Title	2019	2020	2021	2022	2023
AURTTX009 Overhaul automatic transmissions	219	361	200	87	44
AURTTX013 Remove and replace clutch assemblies	167	2	6	3	0

Motor Sport Sector

Qualification Code and Title	2019	2020	2021	2022	2023
AUR21020 - Certificate II in Motor sport Technology	22	37	20	0	0
AUR40320 - Certificate IV in Motor sport Technology	3	1	2	7	8

Unit Code and Title	2019	2020	2021	2022	2023
AURMBA002 Load and unload competition vehicles and support equipment	47	29	39	30	34
AURMDA002 Assist with officiating duties at motor sport events	35	34	42	30	43
AURMDA101 Develop and update motor sport industry knowledge	0	0	0	18	16
AURMKA001 Manage motor sport data	6	3	7	3	4
AURMLA003 Inspect vehicles and equipment at motor sport events for compliance	7	5	16	13	11
AURMMA007 Follow motor sport event and team safety requirements	38	19	32	35	34
AURMMA101 Operate in a motor sport environment	0	0	7	41	38
AURMMA102 Manage the preparation of motor sport competition vehicles	0	0	0	5	8
AURMMA108 Coordinate operations of a motor sport team	0	0	0	24	46
AURMSA001 Follow motor sport safety and risk management procedures	7	12	11	7	4
AURMTA005 Perform pit lane and service area operations at motor sport events	39	24	33	33	27
AURMTA006 Perform torquing and fastening on motor sport competition vehicles	41	35	42	33	33
AURMTA008 Apply aerodynamic and vehicle dynamic principles and effects to competition vehicles	10	6	11	3	7
AURMTA102 Assemble and prepare competition vehicles for motor sport events	0	0	2	31	35
AURMTA104 Prepare competition vehicles at motor sport events	0	0	3	31	34
AURMTA109 Collect and log motor sport data	0	0	0	24	30
AURMTD001 Test suspension dampers using a dynamometer	5	8	11	6	3
AURMTD002 Prepare competition vehicle suspension	9	6	9	8	5
AURMTF001 Analyse and repair performance carburetted fuel systems	28	34	38	33	22

Unit Code and Title	2019	2020	2021	2022	2023
AURMTJ001 Select and prepare motor sport competition vehicle tyres and wheels	12	5	8	3	4
AURMTQ101 Analyse and repair faults in performance driveline systems	2	0	0	15	8
AURMTS001 Construct hose and pipe assemblies for competition vehicles	18	30	41	22	40

Outdoor Power Equipment Sector

Unit Code and Title	2019	2020	2021	2022	2023
AURPTA104 Service and repair drum cutting systems	0	0	1	27	48
AURPTA107 Service and repair post boring systems	0	0	6	30	97
AURPTA108 Service and repair post hole digging systems	0	0	6	31	93
AURPTA109 Service and repair reciprocating cutting systems	0	0	1	50	168
AURPTE104 Overhaul outdoor power equipment engines	0	0	2	27	62
AURPTR101 Test and service 240 volt portable generators	0	0	0	3	21
AURPTR102 Test and service electric outdoor power equipment	16	29	18	37	27
AURPTR103 Service and repair outdoor power equipment engine management systems	0	0	2	21	33
AURPTR104 Inspect and service cordless electric tool skins	0	0	16	45	124
AURPTR105 Diagnose and repair cordless electric tool skins	0	0	5	37	93

Marine Sector

Unit Code and Title	2019	2020	2021	2022	2023
AURRTA006 Water test vessels	15	9	15	14	0
AURRTC101 Diagnose and repair marine exhaust and cooling systems	41	54	24	47	119
AURRTD101 Diagnose and repair marine steering systems	0	0	0	11	106
AURRTE010 Test marine engines in water tanks	32	28	29	18	0
AURRTE106 Diagnose and repair marine outboard engines	0	0	0	18	104
AURRTE107 Diagnose and repair marine inboard engines	0	0	0	5	143
AURRTQ106 Diagnose and repair marine jet drive propulsion systems	0	0	0	30	146
AURRTR001 Inspect, service and maintain marine battery storage systems	4	0	0	0	0
AURRTX002 Inspect and service marine inboard transmissions	61	43	56	48	51

Sales and Parts, Administration and Management Sector

Qualification Code and Title	2019	2020	2021	2022	2023
AUR21120 - Certificate II in Automotive Sales	10	3	3	2	6
AUR30116 - Certificate III in Automotive Administration	37	25	42	55	47
AUR40116 - Certificate IV in Automotive Management	148	74	33	28	34

RII Resources and Infrastructure Industry Training Package (Mining)

The RII Resources and Infrastructure Industry Training Package mining industry training products include 34 qualifications, 6 skill sets, and 384 units of competency. The initial analysis shows that there are low and/or no enrolment training package products across each industry sector, 10 qualifications, 6 skill sets and 267 units.

Based on the RII Resources and Infrastructure Training Package, [Companion Volume and Implementation Guide \(CVIG\)](#), the low or no enrolment training products have been categorised into the following industry sectors.

Coal Mining includes open cut (surface) and underground coal mining and processing.

Drilling includes onshore and offshore drilling for oil and gas, as well as drilling associated with mineral exploration and production, geothermal energy production and water wells.

Extraction (quarrying) includes extracting raw materials used in building and construction, including sand, rock, gravel and limestone.

Metalliferous Mining includes open cut (surface) and underground mining and processing minerals including iron ore, copper, nickel, gold, silver, zinc, lithium, uranium and mineral sands.

For this industry consultation, we have incorporated an additional category, **Mining Industry Cross-sector**, for training products, skill sets and units of competency that are used across two or more of the above mining industry sub-sectors.

RII (Mining) Training Products - No Enrolment – 2019-2023

Coal Mining Sector

Skill Set Code and Title
RIISS00029 Leading Hand - Coal Mining Skill Set
RIISS00035 Underground Shotfiring - Coal Skill Set

Unit Code and Title
RIIMCU201D Operate power tram
RIIMCU202D Conduct tracked vehicle/plant operations
RIIMCU207D Install, maintain and recover electrical services
RIIMCU211D Install and maintain explosion barriers
RIIMCU213E Conduct feeder breaker operations
RIIMCU215D Operate longwall ancillary equipment
RIIMCU216D Maintain lamp cabin operations
RIIMCU218 Work safely with polymeric chemicals in underground coal mining
RIIMCU309E Operate breaker line supports
RIIMCU310E Conduct flexible conveyor train (FCT) operations
RIIMCU312 Conduct polymeric chemical operations in underground coal mining
RIIMCU313 Mix and pump polymeric chemicals in underground coal mining
RIIMCU314 Transport and store polymeric chemicals in underground coal mining
RIIMCU401E Conduct special roadway operations
RIIMCU409 Apply and monitor polymeric chemical management plans
RIIMPO501D Implement, monitor, rectify and report on mobile plant and equipment systems
RIIPEO202E Provide deck support for conveyor-car high wall mining operations
RIIPEO208E Extend, retract and maintain conveyor componentry
RIIPEO301E Conduct conveyor-car high wall mining operations
RIIRAI505D Implement the surface mine mechanical plant management plan
RIIRAI507D Implement the underground coal mine mechanical plant management plan
RIIRAI510D Implement, monitor, rectify and report on interfaces between electrical and mechanical componentry
RIIRAI602D Establish and maintain mine mechanical plant, services and infrastructure systems
RIIRAI605D Establish and maintain an underground mine mechanical plant management system
RIIRAI610D Establish and maintain mechanical standard/engineering practices for transport/production equipment
RIIRAI611D Establish and maintain a surface mine mechanical plant management system
RIISAM315A Manage tyre, wheel and rim assembly applications
RIISAM403E Commission/recommission plant

Drilling Sector

Skill Set Code and Title
RIISS00038 Oil and Gas (Off Shore) Rouseabout Skill Set

Unit Code and Title
RIINHB220 Assist coil tube drilling
RIINHB221 Assist rotary air drilling
RIINHB222 Assist sonic drilling operations

RIINHB223 Prepare, run and cement casing
RIINHB326 Conduct coil tube drilling
RIINHB327 Conduct cyber chair drilling operations
RIINHB328 Conduct rotary air drilling
RIINHB329 Conduct sonic drilling operations
RIINHB411E Construct artesian (flowing) aquifer bores
RIINHB412D Construct geothermal wells
RIIWSV304E Prepare well servicing fishing operations

Extraction (Quarrying) Sector

Unit Code and Title
RIIMEX204D Conduct workboat/barge operations
RIIMEX303 Conduct local geotechnical risk control in surface operations
RIIMEX402E Supervise dredging operations
RIIMEX407 Apply and monitor the ground control management plan
RIIMEX408 Supervise overburden dump operations
RIIRAI607D Establish quarry operations
RIISTD401 Monitor quarry laboratory operations and the quality of results

Metalliferous Mining Sector

Unit Code and Title
RIIEGS304E Mobilise equipment and materials
RIIHAN401D Organise and monitor wharf/terminal operations
RIIMPO201E Operate roller/compactor underground
RIIPBE302D Conduct bacterial oxidation
RIIUND204D Refuel vehicles/machines underground

Cross Sector (Mining)

Unit Code and Title
RIIARO301 Work safely in autonomous environments
RIIARO302 Work safely with remotely piloted aircraft systems
RIIARO303 Operate equipment in autonomous environments
RIIARO304 Coordinate and interact with autonomous systems
RIIARO305 Build and maintain routes for autonomous operations
RIIARO306 Respond to obstructions to autonomous operations
RIIARO307 Activate and deactivate autonomous systems
RIIARO401 Supervise autonomous operations

RIIBLA307E Conduct a blast survey
RIICAR301D Rehabilitate exploration site
RIIMEX504 Implement the ground control management plan
RIIUND208E Conduct skip operations
RIIUND209E Operate automated winder
RIIUND302E Conduct cage operations
RIIUND303E Operate winder for shaft sinking
RIIWBP501D Implement site waste and by-product management plan
RIIWBP502D Plan and monitor recycled material operations

RII (Mining) Training Products - Low Enrolment – 2019-2023

Coal Mining Sector

Qualification Code and Title	2019	2020	2021	2022	2023
RII60320 Advanced Diploma of Underground Coal Mining Management	28	43	23	18	38
RII60720 Advanced Diploma of Surface Coal Mining Management	2	0	0	2	58

Skill Set Code and Title	2019	2020	2021	2022	2023
RIISS00030 Explosion Protected Diesel Engine Systems Maintenance Skill Set	0	0	92	3	0
RIISS00033 Underground Coal Mine Safety Skill Set	37	73	0	44	44

Unit Code and Title	2019	2020	2021	2022	2023
RIIERR602E Establish and maintain underground coal mine emergency preparedness and response systems	73	58	50	24	48
RIIMCO302D Conduct surface miner operations	6	0	0	4	0
RIIMCO303E Conduct auger miner operations	2	4	0	6	1
RIIMCP202D Conduct rail dispatch operations	82	68	31	23	40
RIIMCP301D Monitor plant operations for coal preparation	41	111	31	22	36
RIIMCU203D Conduct wheeled vehicle operations (non-articulated)	61	60	41	102	111
RIIMCU204D Conduct wheeled vehicle operations (articulated)	22	13	21	59	49
RIIMCU205D Conduct rotational drilling	0	0	0	0	2
RIIMCU206D Install, maintain and recover gas drainage systems	0	0	85	34	39

Unit Code and Title	2019	2020	2021	2022	2023
RIIMCU209E Conduct roadway maintenance	35	18	14	48	34
RIIMCU210D Conduct stonedusting operations	0	0	6	13	32
RIIMCU212E Construct and maintain basic ventilation devices	16	2	16	5	0
RIIMCU214E Conduct ventilation operations	139	49	91	135	182
RIIMCU217 Apply spontaneous combustion management measures	56	2	2	0	0
RIIMCU301E Conduct specialised strata control operations	146	60	30	71	53
RIIMCU303E Conduct continuous miner operations	6	3	0	6	21
RIIMCU304E Conduct shuttle car operations	97	40	6	5	36
RIIMCU305E Conduct outburst mining operations	18	0	0	0	0
RIIMCU306E Conduct shearer operations	0	2	0	0	0
RIIMCU307E Conduct longwall face equipment operations	0	5	0	0	0
RIIMCU308E Install and recover longwall equipment	1	0	0	0	0
RIIMCU311E Monitor control processes	105	58	19	2	2
RIIMCU501E Implement the spontaneous combustion management plan	51	53	32	21	40
RIIMCU502E Implement the gas management plan	65	63	48	33	50
RIIMCU503D Implement the gas drainage management plan	33	47	30	19	41
RIIMCU504D Implement the outburst management plan	37	41	23	15	13
RIIMCU505E Implement the inrush management plan	37	59	42	25	37
RIIMCU506E Implement the strata management plan	40	62	50	24	39
RIIMCU601E Establish and maintain spontaneous combustion management systems	34	21	8	19	27
RIIMCU602E Establish and maintain gas management systems	32	17	8	17	32
RIIMCU603D Establish and maintain the gas drainage management plan	11	15	1	14	27
RIIMCU604D Establish and maintain the outburst management plan	30	22	3	14	28
RIIMCU605E Establish and maintain inrush management systems	21	13	7	1	5
RIIMCU606E Establish and maintain the mining method and strata management systems	21	13	11	5	9
RIIPEO203D Conduct stacker operations	69	50	111	68	89
RIIPEO204D Conduct shore side mooring operations	25	52	23	23	21
RIIPEO205D Conduct ship loading operations	39	9	56	19	23
RIIPEO206D Lay and recover cables and hoses	6	0	1	4	23
RIIPEO207E Carry out conveyor system shift	0	0	0	0	20

Unit Code and Title	2019	2020	2021	2022	2023
RIIPEO302E Operate and monitor ore car dumpers	13	7	4	1	13
RIIRAI509D Implement mine fixed plant and infrastructure systems	17	6	6	2	3
RIIRAI603E Establish and maintain mine transport systems and production equipment	18	16	6	3	13
RIIRAI604E Establish and maintain mine services and infrastructure systems	16	17	6	8	23
RIIRAI609D Establish and maintain electrical installations, reticulation and protection system	19	22	38	37	37
RIIUND501E Implement the ventilation management plan	63	61	47	40	40
RIIUND603D Manage, operate and maintain the mine ventilation system	48	40	5	23	48

Drilling Sector

Qualification Code and Title	2019	2020	2021	2022	2023
RII40920 Diploma of Drilling Operations	29	54	69	91	85
RII41220 Certificate IV in Well Servicing Operations	85	12	72	92	0
RII50820 Diploma of Drilling Oil & Gas (Onshore)	72	54	48	44	62
RII51020 Diploma of Well Servicing Operations	54	35	41	79	107
RII60415 Advanced Diploma of Drilling Management	3	12	7	13	13

Unit Code and Title	2019	2020	2021	2022	2023
RIIBHD401D Supervise blast hole drilling operations	2	6	3	0	7
RIINHB205F Assist continuous flight auger drilling	7	16	21	13	12
RIINHB206E Assist large diameter auger drilling	1	19	0	0	6
RIINHB210E Assist surface directional drilling	11	11	10	16	20
RIINHB217E Assist horizontal direction drilling	24	0	0	2	3
RIINHB302D Conduct reaming	12	5	8	26	18
RIINHB303D Install product pipe	2	0	0	10	10
RIINHB305E Conduct continuous flight auger drilling	15	24	47	72	75
RIINHB306E Conduct large diameter auger drilling	2	3	13	6	15
RIINHB307D Conduct conventional core drilling	44	56	81	93	82
RIINHB309E Conduct guided boring	3	0	0	0	0
RIINHB310D Conduct surface directional drilling	5	17	30	39	29
RIINHB312D Conduct raise boring	7	12	45	24	31

Unit Code and Title	2019	2020	2021	2022	2023
RIINHB315D Conduct top-hole hammer drilling	28	42	32	43	55
RIINHB316D Conduct underground in-seam directional drilling	39	21	54	99	104
RIINHB317D Install underground in-seam directional drilling standpipes	16	0	24	83	90
RIINHB318D Install and operate water and gas control equipment	20	4	26	86	88
RIINHB320D Construct monitoring bores	7	8	20	20	10
RIINHB322E Construct multiple aquifer production bores	0	0	0	1	0
RIINHB323D Conduct horizontal directional drilling	60	23	56	86	171
RIINHB325E Construct single aquifer bores	2	10	14	6	9
RIINHB330 Conduct down-hole hammer drilling	64	93	42	0	0
RIINHB403D Supervise geotechnical drilling operations	3	5	6	9	3
RIINHB501F Plan drilling	24	44	68	75	85
RIIOGD203F Prepare and operate drilling fluid systems	48	29	12	52	101
RIIOGD301E Conduct and maintain derrick operations	65	59	13	34	119
RIIOGD401E Rig up, conduct pre-spud operations and rig down	88	59	50	47	79
RIIOGD402E Participate in nipping-up and pressure tests	87	63	52	50	83
RIIOGD403E Conduct drilling operations	83	60	43	44	91
RIIOGD404E Coordinate air drilling operations	3	0	0	0	4
RIIOGD501F Manage rig operations	77	50	50	80	150
RIIOGD503E Oversee drilling operations	2	11	2	0	0
RIIOGD504E Manage drilling operations	74	59	36	44	67
RIIOGD505E Manage drilling and well servicing induction and orientation	68	52	48	86	147
RIIOGD506D Manage rig move and camp move	83	55	36	67	137
RIIOGD507D Manage and monitor rig-up and rig-up to spud operations	68	44	28	29	42
RIIOGD508D Manage well completion and abandonment	48	28	31	49	64
RIIOGD601D Manage multiple drilling operations	3	9	9	14	12
RIISAM215E Carry out drilling industry operational maintenance	0	0	9	118	42
RIISAM404 Monitor oil and gas equipment maintenance	124	60	30	0	0
RIIUND206D Install hand held underground ground support	5	0	0	0	0
RIIWSV203E Prepare equipment for well servicing air operations	9	19	10	5	3
RIIWSV301F Conduct and maintain well servicing derrick operations	95	58	44	52	223
RIIWSV401E Rig up and rig down for well servicing operations	93	45	52	75	134

Unit Code and Title	2019	2020	2021	2022	2023
RIIWSV402D Conduct well servicing milling operations	23	20	10	5	3
RIIWSV403E Participate in well servicing nipping-up and pressure test	80	36	38	78	136
RIIWSV404D Conduct fishing operations	55	14	5	7	11
RIIWSV501D Manage well servicing induction and orientation	49	35	15	1	0
RIIWSV502E Manage well completion and rig release	54	27	12	16	13
RIIWSV503E Manage and monitor rig-up operations	48	29	55	110	151

Extraction (Quarrying) Sector

Unit Code and Title	2019	2020	2021	2022	2023
RIIENV502E Undertake process or project environmental impact assessments	11	13	0	0	0
RIIMEX201E Suppress dust in open-cut environments	3	0	9	28	4
RIIPRO303D Conduct sand wash plant operations	7	1	1	11	27
RIIPRO402D Supervise recycled materials operations	9	13	5	2	0
RIIPRO501D Implement site processing plant operations	90	63	53	53	48
RIIRAI608D Establish quarry development	9	0	0	0	0
RIISAM303E Shutdown dredge for operator maintenance	8	2	0	0	0

Metalliferous Mining Sector

Qualification Code and Title	2019	2020	2021	2022	2023
RII40320 Certificate IV in Underground Metalliferous Mining Operations	85	12	72	92	0
RII40520 Certificate IV in Resource Processing	9	6	4	4	0
RII60120 Advanced Diploma of Metalliferous Mining	9	24	25	12	1

Skill Set Code and Title	2019	2020	2021	2022	2023
RIISS00036 Underground Shotfiring - Metalliferous Skill Set	52	53	27	0	0

Unit Code and Title	2019	2020	2021	2022	2023
RIICAR302D Rehabilitate small mine site	2	0	0	0	0
RIIEGS201D Operate in isolated and remote situations	21	19	18	29	0
RIIEGS202E Conduct field work	19	24	21	25	33

Unit Code and Title	2019	2020	2021	2022	2023
RIIEGS301E Operate and maintain instruments and field equipment	20	21	23	23	33
RIIEGS302D Plan and undertake field trip	25	24	17	25	0
RIIEGS303E Provide geological field assistance	22	19	19	24	34
RIIEGS305E Navigate in remote or trackless areas	20	23	19	28	34
RIIHAN310E Conduct crane operations underground	23	21	7	2	4
RIILAT601E Manage group processes	2	10	7	0	0
RIIMEX301D Conduct dredging operations	14	25	20	19	11
RIIMEX603D Establish and maintain underground mining ground control and stable mining systems	1	11	6	6	0
RIIPBE201D Conduct aeration process	0	11	3	13	13
RIIPBE202D Conduct digestion process	1	7	0	6	0
RIIPBE203D Conduct precipitation operations	46	37	21	33	29
RIIPBE204D Conduct reduction process	0	10	9	3	17
RIIPBE301D Conduct calcinations activities	18	3	0	6	0
RIIPBE303D Conduct filtering process	17	23	13	46	21
RIIPBE304D Conduct heavy media separation	0	0	0	2	22
RIIPBE305D Conduct high tension separation	14	3	2	4	9
RIIPBE306D Conduct leaching process	84	59	28	46	52
RIIPBE308D Conduct thickening and clarifying process	49	72	63	70	79
RIIPBE309D Conduct wet gravity separation	51	45	46	43	37
RIIPBE310D Conduct flotation process	9	7	16	27	29
RIIPBE311D Conduct magnetic separation	21	18	18	41	43
RIIPGP203D Operate compressors	23	15	0	10	17
RIIPGP301D Conduct drying activities	16	17	13	14	42
RIIPGP302D Monitor and operate auxiliary plant and equipment	16	19	39	22	33
RIIPHA201D Operate raw material feed systems	4	4	0	5	0
RIIPHA301D Conduct milling/grinding	64	64	59	37	38
RIIPHA302D Operate and monitor filter processes	8	6	13	24	25
RIIPRE301D Conduct electrowinning/electro-refining operations	0	2	6	0	2
RIIPRE302D Conduct elution processes	47	3	2	10	7
RIIPRE303D Conduct gold room operations	3	2	0	0	0
RIIPRO204D Bulk package and store product	0	7	0	11	1
RIIPSM302D Cast ingots	4	2	0	0	0

Unit Code and Title	2019	2020	2021	2022	2023
RIIPSM304D Operate furnaces	0	2	2	0	2
RIIUMM201D Install ground support	0	12	0	4	0
RIIUMM303D Conduct hand held mining	45	44	42	27	38
RIIUMM304D Construct and maintain underground roads	2	4	0	0	0
RIIUMM305D Install and remove a secondary fan	0	0	3	0	2
RIIUND305D Recover underground equipment	3	0	0	0	0

Cross Sector (Mining)

Unit Code and Title	2019	2020	2021	2022	2023
RIIBEF302E Monitor site production activities	29	7	16	2	0
RIIBLA602E Establish and maintain explosives safety and security management systems	14	25	24	22	35
RIIERR204E Provide aided rescue to endangered personnel	13	12	316	9	0
RIIHAN204D Load and unload cargo/goods	40	0	142	39	33
RIIHAN210D Perform intermediate rigging operations	126	87	40	109	137
RIIMEX203D Break oversize rock	13	19	8	20	27
RIIMEX401D Apply pit plan	63	49	35	99	151
RIIMEX404E Apply and monitor systems for stable mining	127	31	58	151	28
RIIMEX503E Manage dredging operations	2	0	0	0	0
RIIMEX601D Plan pit development	11	0	3	0	12
RIIMEX602D Establish and maintain surface mining ground control and slope stability systems	0	13	7	1	15
RIIMEX604D Establish and maintain surface product haulage and transport systems	0	11	8	7	13
RIIMPO302E Conduct hydraulic shovel operations	15	7	7	1	2
RIIMPO303E Conduct rope shovel operations	10	4	0	0	2
RIIMPO306D Operate plant/machinery on live stockpiles	98	16	27	23	19
RIIMPO307E Conduct wheel grader operations in underground mines	25	30	50	43	30
RIIMPO313E Conduct face loader operations	73	21	21	17	16
RIIMPO329F Conduct dragline operations	14	0	12	2	3
RIIMPO331E Conduct operations with stockpile dozer	34	18	24	9	27
RIIMPO401D Supervise mobile plant operations	45	44	55	98	276
RIIPRO201D Conduct crushing operations	22	6	8	6	5
RIIPRO202D Conduct screening and conveying operations	31	19	38	48	33

Unit Code and Title	2019	2020	2021	2022	2023
RIIPRO401D Supervise processing operations	47	29	39	68	111
RIIPRO502D Develop, implement and maintain process control systems	2	4	5	2	0
RIIRAI503D Implement site services and infrastructure systems	41	48	42	26	37
RIIRAI504D Select and install surface plant and equipment	0	7	0	0	0
RIIRAI506D Implement, monitor, rectify and report on inventory control system	0	2	0	0	0
RIIRAI508E Implement mine services systems	46	34	18	2	0
RIIRAI601D Establish and maintain the site infrastructure and fixed plant systems	3	12	11	5	17
RIISAM304E Install, commission and maintain major conveyor equipment and systems	58	1	0	0	0
RIISAM306E Service and maintain conveyors, feeders and hoppers	73	39	37	31	54
RIISAM307E Service and maintain crushers	53	26	51	41	60
RIISAM308E Service and maintain screens	41	25	47	31	49
RIISAM309E Service and maintain pumps	8	15	24	2	0
RIISDM501D Conduct mine surveying operations	2	1	6	3	0
RIISRM301E Blend stockpile materials	530	275	66	14	18
RIISRM303E Move and position materials to form stockpiles	83	92	38	41	73
RIISRM401D Apply and monitor the site stockpile management plan	15	12	11	10	12
RIISRM501E Implement stockpile management plans	75	44	46	77	68
RIISRM502E Design stockpile formations and reclaiming systems	2	0	0	0	0
RIISRM601E Establish and maintain stockpile management systems	7	0	0	0	0
RIISTD301D Take environmental samples and measurements	0	0	0	0	30
RIISTD302E Process data and maintain accurate records	0	0	0	0	28
RIIUND205E Respond to a workforce incident	2	2	3	11	0
RIIUND301E Operate manual winder	0	0	0	0	4
RIIUND601E Establish and maintain ventilation management systems	68	62	29	33	55
RIIUND602D Establish and maintain mine services systems	2	13	17	8	0
RIIWBP201E Treat and dispose of rejects and tailings	36	33	34	32	48
RIIWBP202E Distribute tailings	33	14	6	8	3
RIIWBP401D Apply and monitor site waste and by-products management plan	11	13	0	0	0
RIIWGM201D Conduct dewatering activities in surface operations	129	61	39	28	35

Unit Code and Title	2019	2020	2021	2022	2023
RIIWMG302D Reclaim and treat water	8	1	4	11	6
RIIWMG401D Apply and monitor the site water management plan	21	28	14	43	34
RIIWMG501D Implement the site water management plan	46	36	24	35	27
RIIWMG601D Establish and maintain water management system	2	1	0	0	8