

## Certificate III in Resource Processing

### DESCRIPTION:

This qualification reflects the role of employees such as production operators in a metalliferous processing facility or a coal preparation and treatment plant, who perform tasks involving a broad range of skilled applications in a varied work context, using some discretion and judgement in selecting equipment, services or contingency measures.

### CURRENCY:

<https://training.gov.au/Training/Details/RII30415>

### PRE-REQUISITES:

There are no pre-requisites required for entry into this qualification.

### STUDY OPTIONS:

This course can be undertaken:

- As a customised program delivered to groups and/ or individuals on-site or in the workplace
- By Recognition of Prior Learning (RPL) <http://riiskillscentre.com.au/AQF-RP-An-Explanation.pdf>

### START DATES:

Intakes for customised programs are ongoing throughout the year. Delivery can be undertaken in the workplace in consultation with your employer.

Enrolment for RPL courses can be undertaken at any time.

### DELIVERY VENUE:

TBA pending client student requirements.

### WORKPLACE ARRANGEMENTS:

As this qualification is largely assessed in the workplace, sequencing of assessment and any identified training required (as found during the assessment process) and further due to operating constraints of the student company, there is no formalised delivery assessment time table proposed. The opportunity to cluster elements for assessment will be adopted should the opportunity present itself at any time.

During the initial consultation phase with the client, Rii will determine whether suitable plant and equipment is available / in use by the client and that access be given to the participant to enable training / assessment to be undertaken at a pre-determined time.

### COURSE DURATION:

The qualification is to be delivered over 12 months, student dependent.

### MODE OF DELIVERY:

This training program is to be delivered as a combination of face to face and on the job training.

### TYPES OF ASSESSMENT:

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Using suitable selected assessment tools, pending client student requirements and delivery mode.

Assessment tools may include:

- Written assessment
- Workbook
- Projects
- RPL
- Task observation
- Verbal questioning

### COURSE MATERIALS:

All materials supplied by the RTO.

### COURSE STRUCTURE:

To obtain this qualification, a total of 13 units must be completed.

- 4 Core Units
- 9 of the electives, of which:
  - one (1) must be chosen from Group A
  - at least six (6) must be chosen come from Group B
  - no more than two (2) may be chosen from Group C
  - no more than two (2) may be chosen from elsewhere within this training package, or from another endorsed training package, or from an accredited course

All elective units selected from outside this qualification must reflect current occupational and learning outcomes of this AQF qualification level.

There are prerequisites to imported units listed in this qualification. Where a unit is imported as an elective care must be taken to ensure that all prerequisites specified are complied with.

Core Units		
Code	Unit name	Hours
RIICOM201D	Communicate in the workplace	20
RIIENV302D	Apply environmentally sustainable work practices	30
RIIRIS301D	Apply risk management processes	40
RIIWHS201D	Work safely and follow WHS policies and procedures	36

Elective Units		
Group A		
Code	Unit name	Hours
RIIGOV201D	Comply with site work processes/procedures	20
RIIQUA201D	Maintain and monitor site quality standards	20
Group B		
Code	Unit name	Hours

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Elective Units		
FPPSTM320A	Manage steam boiler startup	65
FPPSTM330A	Shut down and bank steam boiler	65
PMAOPS246A	Operate separation equipment	15
PMAOPS307B	Transfer bulk fluids into/out of storage facility <ul style="list-style-type: none"> <li>Prerequisite unit: PMAOPS201B Operate fluid flow equipment</li> </ul>	40
PMAOPS330B	Communicate and monitor pipeline activities	40
MSAPMPER300C	Issue work permits <ul style="list-style-type: none"> <li>Prerequisite unit: RIIRIS201B Conduct local risk control</li> </ul>	20
RIICOM301D	Communicate information	30
RIICOM302D	Communicate workplace information	20
RIIERR302D	Respond to local emergencies and incidents	20
RIIHAN311E	Conduct operations with integrated tool carrier	*
RIIMCP301D	Monitor coal preparation plant operations	60
RIIMPG301D	Control and monitor automated plant/machinery	40
RIIMPO304D	Conduct wheel loader operations	40
RIIMPO305E	Conduct coal stockpile dozer operations	*
RIIMPO306D	Operate plant/machinery on live stockpiles	24
RIIMPO308E	Conduct tracked dozer operations	*
RIIMPO309E	Conduct wheeled dozer operations	*
RIIMPO310E	Conduct grader operations	*
RIIMPO336D	Conduct belly dump truck operations	40
RIIMPO337D	Conduct articulated truck operations	40
RIIMPO338D	Conduct rigid haul truck operations	40
RIIMPO331D	Conduct stockpile dozer operations	40
RIIPBE301D	Conduct calcinations activities	26
RIIPBE302D	Conduct bacterial oxidation	32
RIIPBE303D	Conduct filtering process	26
RIIPBE304D	Conduct heavy media separation	32
RIIPBE305D	Conduct high tension separation	28
RIIPBE306D	Conduct leaching process	32
RIIPBE307D	Conduct pressure oxidation	32
RIIPBE308D	Conduct thickening and clarifying process	24
RIIPBE309D	Conduct wet gravity separation	28
RIIPBE310D	Conduct flotation process	38
RIIPBE311D	Conduct magnetic separation	28
RIIPBP301D	Process lime products	32

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Elective Units		
RIIPBP302D	Control acid plant operations	40
RIIPEO201D	Conduct conveyor operations	40
RIIPEO203D	Conduct stacker operations	30
RIIPEO205D	Conduct ship loading operations	30
RIIPEO302D	Operate and monitor ore car dumpers	40
RIIPGP201D	Conduct pump operations	16
RIIPGP202D	Handle reagents	28
RIIPGP301D	Conduct drying activities	26
RIIPGP302D	Monitor and operate auxiliary plant and equipment	40
RIIPHA301D	Conduct milling/grinding	32
RIIPHA302D	Operate and monitor filter processes	24
RIIPRE301D	Conduct electrowinning/electro refining operations	36
RIIPRE302D	Conduct elution processes	32
RIIPRE303D	Conduct gold room operations	40
RIIPRE304D	Monitor casting quality	24
RIIPRO301D	Conduct crushing and screening plant operations	50
RIIPRO302D	Perform processing control room operations	50
RIIPSM301D	Cast a blast furnace	34
RIIPSM302D	Cast ingots	20
RIIPSM303D	Operate a blast furnace	70
RIIPSM304D	Operate furnaces	32
RIIPSM305D	Operate converters	32
RIIPSM306D	Supply molten metal and additives to furnaces	28
RIIPSM307D	Control molten metal in holding furnace/vessel	32
RIIPSM308D	Monitor and maintain furnace gas efficiency	32
RIIPSM309D	Monitor and maintain flue gas efficiency	32
RIISAM202D	Isolate and access plant	30
RIISRM301D	Blend stockpile materials	20
RIISRM302D	Conduct stockpile reclaiming operations	40
RIISRM304D	Maintain stockpiles	20
RIIWBP203D	Monitor tailings dam environment	16
RIIWHS301D	Conduct safety and health investigation	30
RIIWMG302D	Reclaim and treat water system	20
UEPOPS316B	Operate and monitor boiler steam/water cycle	40
Group C		
Code	Unit name	Hours
BSBDIV301	Work effectively with diversity	30

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Elective Units		
BSBPUR301	Purchase goods and services	60
BSBRKG304	Maintain business records	30
PMAOPS223B	Operate and monitor valve systems	20
PMAOPS230B	Monitor, operate and maintain pipeline stations and equipment	40
PMAOPS335A	Conduct pipeline pigging	20
PMAOPS202B	Operate fluid mixing equipment	20
PMAOPS205B	Operate heat exchangers	40
PMAOPS247A	Operate powered separation equipment	15
PMAOPS208B	Operate chemical separation equipment	30
MSL943001A	Work safely with instruments that emit ionizing radiation	60
RIIBLA306D	Conduct accretion firing	30
RIIERR205D	Apply initial response First Aid	20
RIIERR301D	Respond to mine incident	20
RIIERR302D	Respond to local emergencies and incidents	20
RIIERR303D	Operate in self-contained regenerative oxygen breathing apparatus	20
RIIERR308D	Extricate and transport people involved in incidents	40
RIIHAN305D	Operate a gantry or overhead crane	40
RIIHAN307D	Operate a vehicle loading crane	40
RIIMCP202D	Conduct rail dispatch operations	40
RIIMEX203D	Break oversize rock	32
RIIMPG201D	Connect and disconnect reefer units	20
RIIMPO206D	Conduct bulk water truck operations	30
RIIMPO208E	Operate support equipment	*
RIIPBE201D	Conduct aeration process	28
RIIPBE202D	Conduct digestion process	32
RIIPBE203D	Conduct precipitation operations	32
RIIPBE204D	Conduct reduction process	32
RIIPBE205D	Conduct roasting operations	32
RIIPBP202D	Conduct air cleaning activities	32
RIIPEO201D	Conduct conveyor operations	40
RIIPEO204D	Conduct shore side mooring operations	30
RIIPGP201D	Conduct pump operations	16
RIIPGP202D	Handle reagents	28
RIIPGP203D	Operate compressors	24
RIIPGP204D	Carry out bore-field operations	30
RIIPHA201D	Operate raw material feed systems	20

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Elective Units		
RIIPRE201D	Conduct solvent extraction	36
RIIPRE202D	Prepare and carry out electrolytic cleaning process	26
RIIPRE203D	Prepare for sintering activities	14
RIIPRE204D	Sinter materials	14
RIIPRO202D	Conduct screening and conveying operations	30
RIIPRO204D	Bulk package and store product	20
RIIPRO205D	Conduct blending plant operations	30
RIIPSM201D	Tap furnaces	24
RIIPSM202D	Prepare for pelletising activities	14
RIIPSM203D	Produce pellets	14
RIIRIS202D	Respond to site based spills	20
RIISAM214D	Provide support to electrical tradesperson	40
RIISAM301E	Test operational functions of vehicles and equipment	*
RIISAM304D	Install, commission and maintain major conveyor equipment and systems	80
RIISAM305D	Repair and splice conveyor belting	40
RIISTD301D	Take environmental samples and measurements	120
RIIVEH201D	Operate light vehicle	30
RIIVEH302D	Operate multi-combination vehicle	40
RIIVEH305E	Operate and maintain a four wheel drive vehicle	*
RIIWBP201D	Treat and dispose of rejects and tailings	30
RIIWBP202D	Distribute tailings	16
RIIWBP203D	Monitor tailings dam environment	16
RIIWHS202D	Enter and work in confined spaces	30
RIIWHS204D	Work safely at heights	20
TLIA2009	Complete and check import/export documentation	30
TLILIC0012A	Licence to operate a vehicle loading crane (capacity 10 metre tonnes and above)	40
TLILIC3003	Licence to operate a bridge or gantry crane	70
TLILIC3018B	Licence to drive a multi combination vehicle	60

\* NCVET Nationally Agreed Nominal Hours have yet to be determined

### CAREER & PATHWAYS:

Career opportunities include Process Operators and Process Technicians.

After achieving the RII30415 Certificate III in Resource Processing, candidates may undertake the RII40515 Certificate IV in Resource Processing.

### FUNDING:

## Certificate III in Resource Processing

Not available for this course.

### **STUDENT SUPPORT:**

Refer Rii's Student Handbook located on our website <http://www.riiskillscentre.com.au>

### **DELIVERY BY THIRD PARTY:**

This course is delivered in Tasmania on behalf of Rii Skills Centre by:

Tasmanian Safety & Training Services

t: 0499 526 627

e: [training@tsts.net.au](mailto:training@tsts.net.au)

### **ACCREDITATION:**

Qualifications granted by Rii Skills Centre have been endorsed by the Australian Skills Quality Authority (ASQA).

Rii Skills Centre is a registered training organisation (RTO) listed on the website.

[www.training.gov.au](http://www.training.gov.au)

Our national provider number is 32326.

We hold registration to deliver this qualification which is nationally recognised and comes from the nationally endorsed *Rii Resources and Infrastructure Training Package*.

A Certificate III recognised within the Australian Qualification Framework (AQF) will be issued if the full qualification is completed, a Statement of Attainment for individual units successfully completed when the whole qualification is not completed.

To find out more, contact the Rii team at [enquiries@riiskillscentre.com.au](mailto:enquiries@riiskillscentre.com.au)

