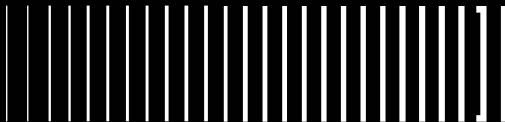


Quarrying & Mining Supervision

0800 TPP INFO
tpp.ac.nz



Creating
BETTER
Together

Tai Poutini Polytechnic
West Coast
NEW ZEALAND

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About Us

At Tai Poutini Polytechnic we're serious about education. Our tutors are all experts in their field, have excellent industry connections and are passionate about teaching.

They want you to learn the skills you need to succeed. We offer a wide range of practical programmes, with a focus on vocational education and applied skills.

All Tai Poutini Polytechnic programmes have NZQA approval and are designed to give you a strong foundation in your chosen career.

Tai Poutini Polytechnic has campuses in Auckland, Christchurch, Greymouth, Westport and Wanaka, and also offers industry training nationally throughout NZ.

Applying to enrol as a student at Tai Poutini Polytechnic is simple. If you require more information or wish to speak directly with a tutor please email us at: study@tpp.ac.nz or call 0800 TPP INFO

www.tpp.ac.nz/quarryandmining

Quarrying and Mining Supervision

Training Scheme in Quarrying & Mining | Level 4 Diploma in Quarrying & Mining Supervision | Level 5

LEVEL

4/5

CREDITS

39/205

AWARDS: Training Scheme in Quarrying and Mining (Level 4) and Diploma in Quarrying and Mining Supervision (Level 5)

DURATION: 3 years

START DATE: Multiple intakes

METHOD OF STUDY: Blended and face-to-face

LOCATION: Available nationally

DOMESTIC FEE: Visit www.tpp.ac.nz/quarryandmining

Conditions apply. Visit www.tpp.ac.nz/conditions



Take the next step in your mining career with TPP's on-the-job training in quarry management.

You'll gain the skills and expertise required to apply for your A and B Grade Quarry Manager's Certificate of Competence – a requirement for managers of any quarry or surface mining operation in New Zealand. For the first time, TPP is combining the two programmes so you can gain the qualifications you need to take your mining job to the next level. You can make the training work for your current job as well as your plans for the future by allowing students to enrol in the units required for their chosen Certificate of Competency.

Graduates of the programme will be competent quarry and mine managers/supervisors, capable of developing and implementing operational plans and leading staff. They will be capable of monitoring and enhancing their own and other workplace performance and working in an independent supervisory industry position.

Graduates are able to structure their programme so they can achieve the unit standards required by the Board

of Examiners to gain their B Grade Certificate of Competency, then their A Grade Certificate of Competency. Remaining units will support their continued professional development requirements.

Core Elements

- Coordinated incident management
- Conduct an incident investigation
- Management of water use and environmental awareness
- Pumps, dewatering and settling ponds
- Roothing and surface maintenance for quarries and mines
- Conveyors, crushers and screening
- Regulatory requirements for quarrying and mining
- Operating and maintain stockpiles and tipheads
- Regulatory requirements for managing an extractives site
- Reviewing extractive plans
- Mining and quarrying explosives properties
- Explosives storage
- Geology and extractive methods
- Geotechnical requirements
- Lead teams and monitor performance
- Analyse human factors in the workplace
- Risk management in quarrying and mining
- Planning to minimise environmental impacts
- Develop standard operating procedures
- Safety plans
- Site safety inspections
- Mining and quarrying communication
- Rehabilitation planning





Career Opportunities

The purpose of this qualification is to provide the Quarry and Mining industry with second line supervisors and managers who have a broad base of technical expertise and skills in operational planning.

Holders of this qualification will have met the academic requirements to apply for an A Grade Quarry Managers Certificate of Competence.

Graduates could be employed as:

- Surface Mine Managers,
- Quarry Managers,
- WorkSafe Inspectors,
- Quarry or Mine Quality Controllers

Further Study Paths:

NZ Diploma in Quarry & Mining (Level 6)

Programme Structure and Workload

Enrolment into this qualification will require you to participate in structured training sessions, the completion of practical tasks on your worksite, and the completion of assessments to demonstrate your learning and application of knowledge.

This training will require a commitment from your employer to ensure your availability for the training sessions and to facilitate appropriate learning situations on your worksites.

The qualification is delivered over the period of 3 years and will require significant commitment from the learner to achieve the required outcomes.

NZQA Unit	Title	Version	Level	Credits
7142	Demonstrate knowledge of the application of regulatory requirements to manage an extractive site	9	6	25
7143	Inspect and report on safety and operations at an extractive site	8	5	10
7144	Review plans and recommend changes for ongoing operations at an extractive site	8	5	15
8902	Prepare a safety inspection plan for extractive operations	8	5	4
8922	Conduct safety checks before and after equipment use at an extractive site	7	2	2
11096	Analyse feedback contexts and apply constructive feedback techniques	6	5	3
15663	Demonstrate knowledge of the geotechnical requirements for ground stability at surface extraction sites	5	5	15
15664	Demonstrate introductory knowledge of geology at surface extraction sites	5	3	5
16686	Conduct an incident investigation at an extractive site	5	5	8
17279	Demonstrate knowledge of the Coordinated Incident Management System (CIMS)	5	2	2
17694	Demonstrate knowledge of explosives and their properties	6	3	10
17744	Read and interpret extractive site plans	5	4	5
21151	Demonstrate knowledge of planning rehabilitation operations for an extractive site	4	6	15
21152	Demonstrate and apply knowledge of storing explosives for use	4	4	10
21156	Demonstrate knowledge of planning and managing extraction to minimise environmental impacts	4	5	15
21336	Lead a team to achieve a project outcome	4	5	8
23397	Plan and monitor performance of others	3	5	6
26855	Analyse Human Factors present in workplace practices at an extractive site	3	4	10
28796	Demonstrate knowledge of a social licence to operate for an extractive site	2	5	3
28982	Develop standard operating procedures for an extractive site	2	5	5
28983	Carry out the risk management process at an extractive site	1	5	10
29553	Demonstrate knowledge of CIMS related roles and Action Plan process in an incident	1	4	2
29554	Demonstrate situational awareness, action planning, and communication skills in an incident within a CIMS framework	1	4	2
30902	Demonstrate knowledge of extraction methods, and selection of plant and equipment for surface extraction	1	5	15
8905	Demonstrate knowledge of construction and maintenance of working surfaces at an extractive site	9	3	5
8909	Demonstrate knowledge of the maintenance of working surfaces at a surface extraction site	8	2	2
21153	Demonstrate and apply knowledge of dewatering, pump maintenance, and settling ponds at an extractive site	4	3	5
21154	Demonstrate and apply knowledge of procedures to minimise environmental impact at an extraction site	4	5	7
21155	Demonstrate knowledge of the management and use of water at an extractive site	4	4	7
28742	Explain legislation related to health and safety, and supporting documents, applicable to an extractive site	2	4	8
31091	Operate and maintain stockpiles and tip heads at extractive sites	2	4	8
31092	Demonstrate knowledge of conveyors, and crushing and screening plant for extractive industries	1	3	5

Entry Criteria

Quarrying and Mining Supervision

Applicants must meet the following criteria:

- Have completed a full year of relevant industry work prior to enrolling
- Be currently working in the surface quarrying or mining industry, and are in a position of responsibility to access authority to work with organisation plans, procedures and staff leadership
- Have their application reviewed by TPP staff with regard to the candidate being employed in a suitable industry position to complete the requirements of this programme
- Have evidence of appropriate language competency if English is not the applicant's first language of IELTS 5.5 (or equivalent) with no band below 5.0

Special Notes:

- Applicants outside of the above requirements may, in some circumstances, be considered by the Manager of Teaching and Learning.

We do not set a closing date for applications. The Polytechnic reserves the right to not accept late applications, i.e., after the programme has started.

You will be offered a place subject to meeting the entry and selection requirements and the availability of places on the programme.

The Polytechnic reserves the right to cancel, prior to commencement, any programme which does not attract a minimum number of students.





How to Apply

Check out our website or contact us if you have further questions about entry requirements for your chosen programme.

We look forward to hearing from you.

01

Decide on your programme

02

Either free phone 0800 TPP INFO (within NZ only) and ask for an application pack or click the 'Enrol Now' link on our website

03

Complete and return your enrolment form (please get in touch if you need help). We'll assess your application and get back to you as soon as we can

Full entry criteria and selection criteria available at www.tpp.ac.nz

For further info on awards and scholarships please refer to our Student Information Brochure

The Tai Poutini “Edge”

Version 05.11.2020

Tai Poutini is nestled between the wild Tasman Sea and the grand Southern Alps. People who live on the West Coast know what it takes to live on the edge. Confidence, skills and a “can do, will do” attitude set them apart.

TPP graduates are out there on the edge doing it!

He aha te mea nui o te ao?

He tangata, he tangata, he tangata!

What is the most important thing in the world?

It is people, it is people, it is people!

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