



Skills training that takes you to the **next level.**

Prospectus 2026



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1 About Us

Established in 1965 and situated in Emalahleni (Witbank), Colliery Training College (CTC) has transformed itself into a leader in skills development. By providing high-quality training not just for the mining industry, but across various sectors. The centre provides engineering and mining skills for Mechanical and Electrical Artisans, Underground Mining, Surface Excavations, Mineral Processing and various specialised industry aligned short courses. Accredited by the Quality Council for Trades and Occupations (QCTO) and other relevant SETA's as Engineering and Mining Skills Development Provider and Assessment Centre.

Training at CTC

Our training is geared to meet workplace demands. The workshops and training rooms are staffed with skilled Training Officers in their various areas of expertise. We provide specific skills training and various specialised industry aligned short courses for:

- ✓ Engineering trades
- ✓ Underground mining
- ✓ Surface excavations
- ✓ Mineral Processing

Training consists of knowledge, practical and workplace experience components, conforming to the qualification's criteria.



2 Accreditations and Certification

- ✓ Accredited as Skills Development Provider (SDP) and Trade Test Centre (TTC) for both Legacy Trades and Occupational Qualifications with the Quality Council for Trades and Occupation (QCTO).
- ✓ Mining Qualifications Authority (MQA) accreditation as training provider:
 - MQA Artisan Aide Skills Programmes
 - Medium Voltage Skills Programmes
 - Underground Mining, Surface Excavations and Coal Processing – Full Qualifications and Skills Programmes
- ✓ Assessor and Moderator registrations with Department: Higher Education and Training (NAMB)
- ✓ ISO 9001:2015 certified - Quality
- ✓ ISO 45001:2018 certified - Occupational Health and Safety

3 Vision Statement

To be a leading catalyst for a highly skilled and innovative workforce, driving industry growth and safety.

4 Mission Statement

Empowering individuals, from new entrants to experienced professionals, with the essential engineering and mining skills needed for successful careers. We achieve this through a collaborative approach, working with industry partners and stakeholders to develop innovative, high-quality and industry-aligned training programs. This fosters a skilled workforce, continuous learning, safety awareness and positive community impact.



5 Our Values

This is the way we work at CTC – these are our values:



At CTC we are Passionate about what we do: We are energised by the training solutions we deliver, the challenges we face and the opportunities we create. We are motivated to unlock the potential of our learners for our customer partners.



At CTC we Pull Together: As one team united in purpose, action and spirit, we use the diversity of our people, skills and experiences in our unique and unequalled institution. We harness the strengths of our stakeholders so that we jointly and continually improve the prospects of our learners.



At CTC we trust each other: We deliver on all our commitments; to our customer partners and each other. We are recognised for our exceptional and disciplined delivery of training. We act with openness, honesty and integrity in our relationships with learners, customer partners and suppliers so that these relationships may flourish



At CTC we show that we care: The learners and other people whose futures we touch and the environment we share matter deeply to us. We nurture, develop and celebrate all of these people. We always act with their dignity, safety and health foremost in our minds.



At CTC we Shape the Future: Our facilities and long history makes us the leading skills provider in South Africa. We will constantly redefine how training gets delivered. We set demanding targets, take tough decisions and courageously seeks to achieve them. We insist on excellence and are rewarded accordingly





6 Facilities and Services

Affordable shared accommodation, meals and sporting facilities available at CTC for all Mining, Engineering and Mineral Processing students that receives training at CTC. Friendly staff and good food are part of your package. We also have 24-hour security at our premises. Accommodation is available at our two student residences, Durain and Clarain.

Durain

Durain is located on CTC's main campus with optimal space to accommodate students, in single rooms and communal facilities. There is a dining room for meals with selected DSTV channels. Since every student is important, we have the following available for their health and wellbeing:

- ✓ Swimming Pool
- ✓ Darts and board available on request at office
- ✓ Table tennis
- ✓ Multisport area with an indoor size soccer field, basketball / netball and volleyball areas.

Clarain

Clarain located in Reyno Ridge, with transport daily to and from CTC main campus as required. There is a dining room for meals with selected DSTV channels. Even being away from our main campus comes with the benefits of having the following

- ✓ available for relaxation:
- ✓ Swimming Pool
- ✓ Darts and board available on request at office
- Table tennis





7 Engineering Full Qualifications

CTC delivers Engineering skills training under both Occupational Qualifications as well as the Listed (pre-2009 Legacy) Trades.

However, care must be taken when deciding on a Legacy trade since in accordance with the Occupational Qualifications Sub-Framework (OQSF) Policy 2021 that states:

- ✓ The last date of first-time learner enrolment for Pre-2009 qualifications shall be 30 June 2024.
- ✓ The last date of achievement for learners enrolled for Pre-2009 qualifications shall be 30 June 2027.

This means that any learner registered on Legacy with CTC, must be done with their full training within this accreditation period, this includes SDP (Off-Job) and Workplace (On-Job) training. CTC welcomes students on both qualifications, however, bear in mind that any student enrolled on Legacy, must achieve the qualification prior to 30 June 2027.



7.1 Legacy (Listed) Full Trades

Entry Requirements:

- ✓ Grade 12 with at least 40% in English, Mathematics and Physical Science.
- ✓ Minimum of N2 with four (4) subjects relevant to the trade.
- ✓ NCV level 3 with at least 40% in Mathematics (not Mathematics Literacy) and all other relevant trade specific subjects

	Diesel Mechanic / EMEM	Auto Electrical / Electrical	Fitter / Fitter & Turner	Plater / Boilermaker	Rigger	Welder	Millwright (5 subjects)	Instrumentation
Mathematics		✓	✓	✓	✓	✓	✓	✓
Engineering Science	✓	✓	✓	✓	✓	✓	✓	✓
Engineering Drawings	✓	✓	✓		✓	✓	✓	
Diesel or Motor Trade Theory	✓							
Industrial Electronics		✓					✓	✓
Electrical Trade Theory		✓					✓	
Electrical Motor Trade Theory		✓						
Fitting & Machining Trade Theory			✓				✓	
Instrument Trade Theory								✓
Plating & Structural Steel Drawing				✓				
Platers Trade Theory				✓				
Riggers Trade Theory					✓			
Welders Trade Theory						✓		

- ✓ Compulsory
- ✓ One or the other

The following Learnership Programmes are offered:

Legacy: All trades (excl. Millwright Finals) – 12 Weeks

- ✓ Automotive Electrician
- ✓ Boilermaker
- ✓ Diesel Mechanic
- ✓ Earth Moving Equipment Mechanic
- ✓ Millwright
- ✓ Electrician
- ✓ Fitting (Incl. Machining)
- ✓ Fitter & Turner
- ✓ Instrumentation Mechanician
- ✓ Plater / Welder
- ✓ Rigger Ropesman

7.2 Legacy (Listed) Training Approach

This qualification is covered in 3 phases running over a period of 12 weeks each, Basic training, Advance training and Finals: Trade Test preparation and Trade Test. (Millwright and Fitter & Turner Finals – 16 weeks)

- ✔ Basic training covers the basics of the chosen trade, including hand / power tools, measuring instruments as well as basic processes of the trade. Additional costs, those mentioned below can include Toolboxes, PPE, Multimeter and Accommodation. Millwright training comprises of 2 blocks of Basic Training.
- ✔ Advance training takes them deeper into the more complex methods and requirements of the specific trade. Millwright training comprises of 2 blocks of Advance Training.
- ✔ On-Job training (workplace exposure) 12-18 Months if you have a learnership agreement with an employer. If you are not sponsored by an employer, it will be your own responsibility to secure On-Job Training placement. The On-Job Training can be commenced before Advanced Training is started, or it can be done entirely after completion of Advanced Training. If no learnership agreement is in place 3-5 years proven experience with employers are required before a trade test may be attempted
- ✔ Final training and preparation are the preparation towards the Trade Test where they will ensure that all necessary learning has been covered and that the candidate can complete the Trade Test successfully based on both the workplace and theory aspects of the trade of choice.

7.3 Learnership / Apprenticeship Training Schedule 2026

Legacy: All trades (excl. Millwright Finals) – 12 Weeks

Advance & Finals	Block 1	12 January 2026	02 April 2026
Advance & Finals	Block 2	07 April 2026	03 July 2026
Advance & Finals	Block 3	07 July 2026	23 September 2026
Advance & Finals	Block 4	29 September 2026	15 December 2026

Legacy: Millwright Finals – 16 Weeks

Millwright Finals (Only)	Block 1	12 January 2026	08 May 2026
Millwright Finals (Only)	Block 2	13 April 2026	27 August 2026
Millwright Finals (Only)	Block 3	07 July 2026	23 October 2026

 For quotations and bookings visit www.ctctraining.org

Amenities

In addition to the course fees, as stipulated learners may also require toolboxes and multi-meters; please enquire about these when asking for a quotation.

Please Note: *Toolbox and Multi-meter prices may escalate due to currency exchange rates that fluctuate.*

7.4 Enrolment Process

Enrolment / Booking for Advance or Final Training can take place on-line through our website. Following the prompts on the **Apply Now** tab.



Engineering Training Contact Details

Enquiries If you would like to receive further information on Apprenticeships / Learnerships, please send your details and request to: bookings@ctctraining.co.za

Quotations, Bookings and Registrations

If you would like to request a quotation or for bookings and registrations, please visit our CTC Website at www.ctctraining.org and follow the prompts on the **Apply Now** tab.



7.5

Trade Test Information

There are 2 options to select from for candidates in order to be accepted for trade testing.

- ✓ **Contracted-Learners:** A learner may be employed and registered on a learnership with the relevant seta during Basic institutionalized training with the training provider. On-job training is required with a logbook being signed off by the employer in order to apply with the relevant seta for approval and acceptance and to be ready for trade testing as a contracted-learner. Thereafter the employer may book for the Final training at CTC for the learner.
- ✓ **Non-Contracted-Learners:** ARPL (Artisan Recognition of Prior Learning experience) testing is a requirement. The ARPL assessment will determine the skills gap and CTC will recommend a training period for the candidate to close the gaps. To be ready for trade testing a learner, who is not registered on a Learnership (apprenticeship), needs to obtain and receive relevant practical skills at a company or mine for a period of 3 years before he / she can apply with the relevant SETA for approval and acceptance for trade testing. These candidates are called non-contracted learners. Once approval has been received from the SETA, candidates can book for the final training and Trade Testing under ARPL at CTC.

Registration process

All learners are required to be registered with their relevant SETA, in order to be eligible to attempt Trade Test on the successful completion of all training modules. The SETA is the quality partner that will be responsible for generating a Learnership Agreement, as well as tracking the training progress of an individual by requiring evidence of all training completed to be captured on their respective systems. On completion of training, the SETA will then issue a Serial number to the student which is required for Trade Test. The relevant SETA will depend on the employer's preferences and normally is determined by which SETA an employer is paying the skills development levies to.

MQA Registrations

As an added service, CTC will be responsible to registering the learners with the MQA. This process is initiated by CTC as soon as a learner reports for Basic training, however the employer may also contact CTC to start the process.

1. CTC will forward an email to the employer, which will include a Learner Registration Application form, which must be fully completed and returned back to CTC along with:
 - ✓ Certified copy of ID's
 - ✓ Certified copies of qualifications
 - ✓ Confirmation letter
 - ✓ Contract of Employment
 - ✓ Training Plan
2. Information will be captured on the MQA system by CTC and the Agreement will be printed and will be shared with the 3 parties (Employer, Student and CTC) for signatures.
3. Agreement and supporting documents as mentioned previously will be submitted to the MQA for approval and uploading to their system.

All other SETA's Registrations:

The registration of learners with other SETAs, like MerSETA, EWSETA, TETA, etc. will remain the Employers responsibility. However, CTC will assist with the process in which ever way we can. All employers are urged to start this process at their earliest convenience

Minimum N2 with the relevant subjects per trade required to apply for trade testing with the relevant SETA, as stipulated in the current Trade Test Regulation.

7.6 ARPL

ARPL (Artisan Recognition of Prior Learning) allows a person who have had sufficient prior training and work experience (at least 3 years in the respective trade) the opportunity to obtain their trade qualification, with the focus being more on their number of year experience.

A person entering the ARPL process, needs to have the following documentation and requirements: At least 3 years workplace experience in the respective trade – This can be proved by submitting **a detailed letter of service** stating the start and end dates as well as specific tasks and job description the person is responsible for. A record of service can be included as further evidence.

The letter of service should include the following points: 1) Be on company Letterhead. (vat number). 2) Date , when the letter was typed. 3) Full names and surname. 4) Id number. 5) Date student started working with a company and till when. 6) Students Trade as assistance. 7) All Daily duties and align with a trade. 8) Full names for the person who wrote the letter. 9) Signature. 10) Date it was signed. 11) Contact number. 12) Email address. 13) Company stamp

All documents submitted:

All the required documents need to be submitted prior to arranging an ARPL interview date. The documents include service letter (with supporting evidence), ID, Qualifications and CV all must be certified.

1. Once documents have been received CTC moderators will review and ensure all requirements are met.
2. Interview date (1-day) can be arranged and candidate to report to CTC on the scheduled date, during which the Assessor will conduct an interview with the candidate elaborating on their experience as well as conduct a theoretical assessment.
3. On outcome of the interview / theoretical assessment, the candidate may be invited to return to CTC for a further 2-day practical assessment (4 days for Millwright candidates) to determine the gap to be closed. The candidate will either receive a Not Recommended outcome, which means that the gap identified in the toolkit is too big to close and the candidate must be enrolled onto a learnership and will not be able to complete Trade Test via ARPL. In the case of a Recommended outcome, the candidate will be required to fill the identified gap and will then be registered under ARPL.

	Mechanical Trades	Electrical Trades (Electricians, Instrument Mechanics and Transportation Electricians)
Q1	27 th - 29 th January	16 th - 20 th February
Q2	11 th - 13 th May	18 th - 22 nd May
Q3	27 th - 29 th July	17 th - 21 st August
Q4	26 th - 28 th October	2 nd - 6 th November

Engineering Trade Test / ARPL Contact Details

If you would like to receive further information on the Trade Test process or are interested in following the ARPL (Artisan Recognition of Prior Learning) assessment, please send your details and request to:

- ✓ Electrical Trade Test / ARPL: admintt@ctctraining.co.za
- ✓ Mechanical Trade Test / ARPL: engadmin@ctctraining.co.za

7.7 Occupational Full Qualifications

Qualification	Pass Grade	Pass Maths	Pass Science	Pass English
Occupational Certificate: Electrician	Grade 9	✓	✓	✓
Occupational Certificate: Instrument Mechanician	Grade 12	50%	✓	✓
Occupational Certificate: Metal Machinist	Grade 9	✓		✓
Occupational Certificate: Mechanical Fitter	Grade 9	✓		✓
Occupational Certificate: Transportation Electrician	Grade 9	✓	✓	✓
Occupational Certificate: Rigger (Maths-Lit)	Grade 10	✓		✓
Occupational Certificate: Boilermaker	Grade 9	✓	✓	✓
Occupational Certificate: Welder	Grade 9	✓	✓	✓
Occupational Certificate: Diesel Mechanic	Grade 9	50%		✓
Occupational Certificate: Heavy Equipment Mechanic	Grade 9	✓		✓
Occupational Certificate: Fitter and Turner	Grade 9	✓		✓
Occupational Certificate: Millwright	Grade 9	50%		✓

Under Occupational Qualifications we offer the following Learnership Programmes:

- ✓ Diesel Mechanic
- ✓ Electrician
- ✓ Instrument Mechanician
- ✓ Rigger
- ✓ Fitter & Turner
- ✓ Transportation Electrician (Auto Electrician)
- ✓ Boilermaker
- ✓ Heavy Equipment Mechanic
- ✓ Mechanical Fitter
- ✓ Metal Machinist
- ✓ Welder
- ✓ Millwright

7.8 Occupational Training Approach

Please note the following information pertaining to the Occupational Qualifications: The Occupational Qualifications' curriculum is a combination of Knowledge Modules (Trade theories that would have been covered by the TVET / FET Colleges) now a function CTC will perform, Practical Modules (Provider modules) and Workplace Experience Modules (completed, assessed and signed-off at a Workplace Approved Employer / Site).

Engineering Fundamentals is a part of the Occupational Qualification as a whole, it is modules that were identified as being generic to all Occupational trades and to ensure standardization, CTC has clustered those modules together and created a Engineering Fundamentals Course. This course consists of the following units, which must be completed by a learner prior to reporting to his/her workplace for the Workplace Experience Modules.

- ✓ **Workplace Compliance (20 days)** – Compulsory, Legislation applicable to the industry as well as trade specific.
- ✓ **First Aid and Fire Awareness Skills Programme (4 days)** – Compulsory as part of Occupational, although CTC has a contract with Ambu Training in presenting these units, an employer can choose to cover these by themselves. However, proof must be shared with CTC for us to link to the student's portfolio.
- ✓ **Computer Skills (4 days)** – Compulsory and are covered at CTC. Although the same arrangement as for the First Aid and Fire Fighting applies as long as all assessment criteria are met.
- ✓ CTC presents 2 study schools over the same period as needed to complete a Block's training, a learner can be booked according to the available schedule. However, care must be taken that the dates does not interfere with the time spend at CTC.

Phase training, Knowledge and Practical Modules.

Most trades will be covered over 3 Phases and the Revision (incl. ISA). Fitter and Turner will take 4 phases and Revision (incl. ISA), and Millwright will be completed in 6 phases (3 Electrical and 3 Mechanical) as well as Revision (incl. ISA).

It is recommended that the Engineering Fundamentals and Phases be completed in one of the following schedules:

- ✔ Engineering Fundamentals, Phase 1, Phase 2, Workplace Exposure, Phase 3, Workplace Exposure, Revision (incl. ISA) and EISA;
- ✔ Engineering Fundamentals, Phase 1, Workplace Exposure, Phase 2, Workplace Exposure, Phase 3, Workplace Exposure, Revision (incl. ISA) and EISA; or
- ✔ Other sequence as per employer's needs.

Workplace Experience Modules

100% of all modules must be successfully completed prior to a learner attempting final assessments. The duration of the Workplace Experience depends on the credits linked to the respective trade and all modules / tasks must be fully completed and signed off prior to the learner returning for Revision (incl. ISA) and EISA. A logbook will be issued to the learner, and they must obtain the necessary exposure/ experience in completing the required tasks, in the presence of a qualified / competent coach / mentor (like an artisan). The duration of Workplace Exposure at the Workplace Approved site will depend on the Credits (Notional Hours) linked to the respective Qualification. Attention also needs to be given to the fact that the Workplace must have Workplace Approval with the relevant Quality Partner.

Revision, ISA and EISA.

Revision training which is preparation including the ISA (Internal Summative Assessment), will be covered over a 16-week period, for the single trades. Double trades will be given a 20- week time period to preparation for the EISA. The ISA will be attempted at the end of the preparation and contains theoretical and practical components. On successful completion of the ISA, an application for EISA (External Integrated Summative Assessment) along with all required documentation, will be submitted to the QCTO. The application form with copies of the students ID, qualifications, CCD's and Statement of Results for the ISA needs to be shared as supporting documentation. On receiving approval and serial number from the QCTO, a student will be booked for the EISA – final assessment. (Trade Test).



Trades

Training Course	Description	Duration
Engineering Fundamentals	Workplace Compliance (Legislation)	20 days
	First Aid Course	3 days
	Basic Fire Awareness	1 day
	Basic Computer Skills	4 days
Phase 1	Phase 1 trade specific training	12 weeks
Phase 2	Phase 2 trade specific training	12 weeks
Phase 3	Phase 3 trade specific training	12 weeks
Workplace Experience	Workplace Modules to be performed, completed and signed off by a competent person, at a Workplace Approved site. 100% of all modules must be successfully completed prior for a learner to attempt final assessments.	Depended on credits linked to specific trade. Electrician Instrumentation Mechanician Automotive Electrician Diesel Mechanic Heavy Equipment Mechanic Metal Machinist Boilermaker Welder Rigger
Finals / EISA	Finals include summative assessment preparation, Internal Summative Assessment (ISA) and External Integrated Summative Assessment (EISA) · After completion of final preparation, a learner will attempt the ISA, internal assessment consisting of a knowledge and a practical assessment. · On successful completion of the ISA, application for EISA can be submitted with all required documentation including the Statement of Results of the ISA.	3 months (12 weeks)



Fitter and Turner

Training Course	Description	Duration
Engineering Fundamentals	Workplace Compliance (Legislation)	20 days
	First Aid Course	3 days
	Basic Fire Awareness	1 day
	Basic Computer Skills	4 days
Phase 1	Phase 1 trade specific training	12 weeks
Phase 2	Phase 2 trade specific training	12 weeks
Phase 3	Phase 3 trade specific training	12 weeks
Phase 4	Phase 4 trade specific training	12 weeks
Workplace Experience	Workplace Modules to be performed, completed and signed off by a competent person, at a Workplace Approved site. 100% of all modules must be successfully completed prior for a learner to attempt final assessments.	Depended on credits linked to specific trade.
		Fitter & Turner
Finals / EISA	Finals includes summative assessment preparation, Internal Summative Assessment (ISA) and External Integrated Summative Assessment (EISA) <ul style="list-style-type: none"> After completion of final preparation, a learner will attempt the ISA, internal assessment consisting of a knowledge and a practical assessment. On successful completion of the ISA, application for EISA can be submitted with all required documentation including the Statement of Results of the ISA. 	4 months (16 weeks)



Millwright

Training Course	Description	Duration
Engineering Fundamentals	Workplace Compliance (Legislation)	20 days
	First Aid Course	3 days
	Basic Fire Awareness	1 day
	Basic Computer Skills	4 days
Phase 1	Phase 1 Electrical specific training	12 weeks
	Phase 1 Mechanical specific training	12 weeks
Phase 2	Phase 2 Electrical specific training	12 weeks
	Phase 2 Mechanical specific training	12 weeks
Phase 3	Phase 3 Electrical specific training	12 weeks
	Phase 3 Mechanical specific training	12 weeks
Workplace Experience	Workplace Modules to be performed, completed and signed off by a competent person, at a Workplace Approved site. 100% of all modules must be successfully completed prior for a learner to attempt final assessments.	Depended on credits linked to specific trade.
		Millwright
Revision (incl. ISA) and EISA	<p>Finals includes summative assessment preparation, Internal Summative Assessment (ISA) and External Integrated Summative Assessment (EISA)</p> <ul style="list-style-type: none"> After completion of final preparation, a learner will attempt the ISA, internal assessment consisting of a knowledge and a practical assessment. On successful completion of the ISA, application for EISA can be submitted with all required documentation including the Statement of Results of the ISA. 	5 months (20 weeks)

Please Note

- ✓ That the Occupational Qualification is the only Qualification available to enroll in at CTC.
- ✓ All Private Students can also enroll in the Occupational Qualification, it is not only for employed students. However, it is crucial to have access to a site with Workplace Approval.
- ✓ Engineering Fundamentals and all sub-units are available to anyone looking to improve their skills, even if you are not interested in a trade.



7.9

Learnership / Apprenticeship Training Schedule 2026

Occupational: Engineering Fundamentals (All Trades) – 28 days

Engineering Fundamentals	Intake 1	14 January 2026	20 February 2026
Engineering Fundamentals	Intake 2	23 February 2026	01 April 2026
Engineering Fundamentals	Intake 3	07 April 2026	21 May 2026
Engineering Fundamentals	Intake 4	25 May 2026	03 July 2026
Engineering Fundamentals	Intake 5	07 July 2026	14 August 2026
Engineering Fundamentals	Intake 6	17 August 2026	23 September 2026
Engineering Fundamentals	Intake 7	29 September 2026	05 November 2026
Engineering Fundamentals	Intake 8	09 November 2026	15 December 2026

 For quotations and bookings visit www.ctctraining.org

Occupational: Engineering Fundamentals (All Trades) – Breakdown

Course Content	Days	Schedule
Workplace Compliance	20 days	See above schedule
First Aid Level 2	3 days	See above schedule
Basic Fire Awareness	1 day	See above schedule
Basic Computer Course	4 days	See above schedule

 For quotations and bookings visit www.ctctraining.org

Occupational: All trades – 12 Weeks

Phase 1 - 4	Block 1	12 January 2026	02 April 2026
Phase 1 - 4	Block 2	07 April 2026	03 July 2026
Phase 1 - 4	Block 3	07 July 2026	23 September 2026
Phase 1 - 4	Block 4	29 September 2026	15 December 2026

 For quotations and bookings visit www.ctctraining.org

Amenities

In addition to the course fees, as stipulated learners may also require toolboxes and multi-meters; please enquire about these when asking for a quotation.

Please Note: Toolbox and Multi-meter prices may escalate due to currency exchange rates that fluctuate.

 For quotations and bookings visit www.ctctraining.org


7.10 Registration Process

Registration for Phase Training can take place on-line through our website. Following the prompts on the **Apply Now** tab. 

Engineering Training Contact Details

Enquiries If you would like to receive further information on Apprenticeships / Learnerships, please send your details and request to: bookings@ctctraining.co.za

Quotations, Bookings and Registrations

If you would like to request a quotation or for bookings and registrations, please visit our CTC Website at www.ctctraining.org and follow the prompts on the **Apply Now** tab. 



8 Engineering Skills Programmes



8.1 Skills Programmes

MQA Artisan Aide Level 2 – All disciplines

The MQA Accredited Skills Program may be the ideal platform for obtaining credits towards the National Certificate in Engineering (NQF Level 2) and the other engineering apprenticeship qualifications or related sub-fields.

Entry Requirements:

- ✓ Candidates boarding on learning towards this skills program must have ABET 4 / NQF Level 1 or Grade 9 with English and Mathematics or equivalent.
- ✓ A candidate must have worked as an Artisan assistant or Artisan aide on the specific trade to be considered for the Skills Program.

Engineering Skills Programmes

- ✓ Boilermaker
- ✓ Diesel Mechanic
- ✓ Electrical
- ✓ Fitting (Incl. Machining)
- ✓ Instrumentation
- ✓ Rigger
- ✓ Medium Voltage Switching

8.2 Skills Programmes Training Schedule 2026

MQA Skills Programme – Artisan Aide

Skills Programmes	Duration	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Diesel Mechanic (8 weeks)	8 Weeks	12 th January - 6 th March	7 th March – 5 th June	7 th July – 28 th August	28 th September – 20 th December
Electrical (4 Weeks)	4 Weeks	12 th January - 6 th February	7 th March – 8 th May	7 th July – 31 st July	28 th September – 23 rd October
Fitting (10 weeks)	10 Weeks	12 th January - 20 th March	7 th March – 19 th June	7 th July – 11 th September	28 th September – 4 th December
Instrumentation (4 weeks)	4 Weeks	12 th Januraury - 6 th February	7 th March – 8 th May	7 th July – 31 st July	28 th September – 23 rd October
Plater / Welder (5 weeks)	5 Weeks	12 th january - 13 th February	7 th March – 15 th May	7 th July – 7 th August	28 th September – 30 th October

9 Short Courses



The safety of every artisan, technician, and supervisor begins with the right training. This specialised stream of short courses equips individuals with the essential knowledge and practical skills to operate safely and compliantly in high-risk environments. From working at heights to scaffold handling and electrical compliance, these programmes ensure that learners meet regulatory standards and industry best practices.

Whether you're supporting engineering teams, working in industrial maintenance, or preparing to issue Certificates of Compliance, these courses are vital for professional credibility and workplace safety. All training is delivered by experienced professionals and backed by CTC's strong reputation in skills development.

9.1 Working At Heights

This intensive two-day programme equips participants with essential skills to work safely at elevated levels. You'll learn to:

- Correctly use fall-arrest systems and harnesses
- Implement safe access techniques, including ladders and anchorage systems
- Conduct hazard assessments and plan secure work-at-height operations
- Execute emergency rescue procedures under professional guidance

On completion, trainees will gain the confidence and competence to perform tasks above ground level while fully complying with safety regulations and industry standards.

Requirements	Dates
<ul style="list-style-type: none">• Minimum Grade 10• Valid Certificate of Fitness	Please visit our Portal via www.ctctraining.org , for available dates

 For quotations and bookings visit www.ctctraining.org. For Course availabilities contact **+27 13 692 3121/2/3/4/5/6** or email bookings@ctctraining.co.za



9.2 Scaffold Erecting & Dismantling

This intensive two-day programme prepares participants to safely erect, inspect, and dismantle scaffolding structures. The course covers:

- Identification and control of scaffold-related hazards (falls, electrical, falling objects)
- Correct procedures for assembly, securing, inspection, alteration, and dismantling
- Understanding load capacities, design requirements, and safe access
- Use of fall-protection systems and personal protective equipment
- Competent-person roles, regulatory compliance, and best practices
- Practical, hands-on exercises under guided supervision

Requirements	Dates
<ul style="list-style-type: none">• Working at Heights• Minimum Grade 10• Valid Certificate of Fitness	Please visit our Portal via www.ctctraining.org , for available dates

 For quotations and bookings visit www.ctctraining.org. For Course availabilities contact **+27 13 692 3121/2/3/4/5/6** or email bookings@ctctraining.co.za

9.3 Scaffold Inspection & Safety

Designed for those ready to step into a safety-critical role, this comprehensive two-day course dives into formal scaffold inspection and site safety. Participants will learn to:

- Conduct detailed inspections in line with SANS10085 and South African Construction Regulations
- Understand the duties of a competent scaffold inspector and supervisor
- Identify structural faults, load-bearing issues, and improper anchorage
- Use thorough checklists, tagging systems, and maintain accurate inspection registers
- Monitor foundation stability, bracing, planking, ties, guardrails, and safe access
- Address fall protection, weather effects, PPE, and emergency protocols
- Execute both initial hand-over and routine weekly inspections

Requirements	Dates
<ul style="list-style-type: none">• Working at Heights• Minimum Grade 10• Valid Certificate of Fitness	Please visit our Portal via www.ctctraining.org , for available dates

 For quotations and bookings visit www.ctctraining.org. For Course availabilities contact **+27 13 692 3121/2/3/4/5/6** or email bookings@ctctraining.co.za

9.4 Wireman's License

Over five immersive days, this intensive programme prepares candidates to register as a Registered Electrical Person with the Department of Labour and legally issue Certificates of Compliance (CoC). Topics include:

- South African Electrical Installation Regulations (SANS 10142 series) & the OHS Act
- In-depth application of Installation Rules P1 & P2
- Mastery of electrical testing procedures, fault-finding, and reporting mechanisms
- Understanding compliance documentation, CoC completion, and registration protocol as a "Registered Person"
- Practical lab sessions using testing instruments under expert supervision
- Final assessment: usually scheduled on the Friday following the training week

Requirements	Dates
<ul style="list-style-type: none">• Qualified Electrician or Millwright	Please visit our Portal via www.ctctraining.org , for available dates

 For quotations and bookings visit www.ctctraining.org. For Course availabilities contact **+27 13 692 3121/2/3/4/5/6** or email bookings@ctctraining.co.za

9.5 Automotive Air Conditioning

This specialised short course is designed to equip qualified artisans with the technical knowledge and practical skills to service, maintain, and repair automotive air conditioning systems. The programme covers fault-finding techniques, system component replacement, refrigerant handling, and compliance with industry safety and environmental standards. Training is delivered through a combination of theoretical instruction and practical application, ensuring learners are competent in diagnosing and resolving air conditioning system issues in a professional automotive environment.

On successful completion, learners will be issued with a CTC Certificate of Competence for Automotive Air Conditioning.

Requirements	Dates
<ul style="list-style-type: none">• Qualified Artisan	Please visit our Portal via www.ctctraining.org , for available dates

 For quotations and bookings visit www.ctctraining.org. For Course availabilities contact **+27 13 692 3121/2/3/4/5/6** or email bookings@ctctraining.co.za



9.6 Engineering Short Courses

CTC presents various short courses in the Engineering Department, which can be taken separately as an upskilling opportunity.

Medium Voltage (Switching) Training

The course covers:

- ✓ Introduction to medium voltage systems \Substations
- ✓ Protection
- ✓ NERM
- ✓ ECM
- ✓ Permits
- ✓ Switching
- ✓ Phasing
- ✓ Completion of workbook
- ✓ Pre-assessment

Complete a week of theory. Required to do 7-14 weeks of On-Job training and complete tasks to log experience. Return to CTC for 1 day theoretical and 1 day practical assessment, all results to be forwarded to the MQA for certification.

Minimum Requirements	Target Population	Duration	No of Candidates
Qualified Millwright or Electrician Minimum of 2 years relevant experience	Qualified Millwrights and Electricians. Engineers	5 days (incl. 7-14 weeks on-job training). Please visit our Portal via www.ctctraining.org , for available dates	1-20

New course dates are being scheduled on a regular basis. For course dates and availability please contact CTC.

Medium Voltage (Refresher) Training

Description	Duration	No of Candidates
On completion of the novice course.	3 days. Please visit our Portal via www.ctctraining.org , for available dates	1-10

 For quotations and bookings visit www.ctctraining.org

Gas Testing


This course aligns with the DMR requirements.

Content includes:

- ✓ Gases
- ✓ Regulations
- ✓ Underground workshops
- ✓ Ventilation
- ✓ Gas testing practices

Practical Assessment conducted in an underground production section. Theory Assessments are conducted in the presence of a testing board. Candidate will be issued with a certificate of competency on successful completion of the course

Minimum Requirements	Target Population	Duration	No of Candidates
PPE (Overall, Hard hat, gum boots, Glasses, "lampie" belt) Minimum of 3 months relevant underground exposure in a production section of a fiery coal mine Valid Red ticket	All Engineering students that are required to work in an underground fiery (coal) mine	2 weeks. Please visit our Portal via www.ctctraining.org , for available dates	1-14

 For quotations and bookings visit www.ctctraining.org For course dates and availability contact **013 689 3121 (ext. 260)**, or electadmin@ctctraining.co.za

New course dates are being scheduled on a regular basis.



Flameproofing – Maintenance of Flameproof Equipment (Engineering)

Content includes:

- ✓ Methane, Hydrogen and coal dust
- ✓ Standards and modifications
- ✓ Flameproof Enclosure
- ✓ Increase safety enclosures
- ✓ Intrinsically safe devices
- ✓ Diesel Engines
- ✓ Flameproof terminations
- ✓ Electrical lighting and cables
- ✓ Electrical protection of mining equipment

Practical Assessment conducted in a controlled environment. Theory is assessed in the form of Computer Based Assessments. Candidate will be issued with a certificate of competency on successful completion of the course

Minimum Requirements	Target Population	Duration	No of Candidates
PPE	Qualified Artisan A person registered on a learnership / apprenticeship in a trade Engineers in Training	2 weeks. Please visit our Portal via www.ctctraining.org , for available dates	1-20

For quotations and bookings visit www.ctctraining.org For course dates and availability contact 013 689 3121 (ext. 260), or electadmin@ctctraining.co.za

New course dates are being scheduled on a regular basis.



9.7 Automation

Unlock the Future with Our Automation Short Courses

Stay ahead in a rapidly evolving industry with our hands-on Automation Short Courses. Designed for professionals and beginners alike, these courses cover essential tools and technologies in industrial and process automation. Delivered by expert instructors at our state-of-the-art facilities, you'll gain practical skills that are immediately applicable in the workplace. Whether you're upskilling or exploring a new career path, our flexible training options will help you reach your goals fast.

Course	Requirements	Duration	Dates
Advance PLC (Programmable Logic Controllers)		3 Days	Please Enquire
HMI (Human Machine Interface)	Prerequisite: Advance PLC	2 Days	Please Enquire
VSD, IO Link and Sensors (Variable Speed Drive, Input / Output Link)	Prerequisite: Advance PLC and HMI	2 Days	Please Enquire
System Integration	Prerequisite: Advance PLC and HMI	3 Days	Please Enquire
Robotics	Prerequisite: Advance PLC	2 Days	Please Enquire
Electro Pneumatics		3 Days	Please Enquire

For quotations and bookings visit www.ctctraining.org. For Course availabilities contact +27 13 692 3121/2/3/4/5/6 or email bookings@ctctraining.co.za



A production miner/blaster or mineral processing plant operator supervises the crew, machines and equipment involved in the operation of mining or processing of coal. Just as coal is vital to the future of our country, production miners/blasters and processing plant operators are vital to the future of our coal mining industry. The industry requires these skilled and competent people that are all trained at CTC.

The production miner/blaster or **mineral processing plant operators** are in charge of underground, opencast, or plant production and are responsible for the health and safety of the employees that are supervised, and for the attainment of set production targets. Coal mining today is highly mechanised and the production miners/blasters and process operators are responsible for the efficient operation of sophisticated mining machinery.

10.1 Surface Excavations Qualification

NATIONAL CERTIFICATE: ROCK BREAKING - SURFACE EXCAVATIONS (FULL TIME)

This nationally accredited qualification, aligned with the Mining Qualifications Authority (MQA), prepares learners for competency in surface drilling and blasting operations within open cast mining environments. The programme develops core proficiencies in rock-breaking techniques, explosives handling, environmental impact management, and compliance with statutory and site-specific regulations. Successful learners are recognized as qualified surface blasters, authorized to execute controlled blasting activities under the Mine Health and Safety Act and associated licensing requirements

Entry Requirements:

To qualify for enrolment, learners must meet the following criteria based on their registration pathway:

- ✔ **Route 1:** Registration via Mining Qualifications Authority (MQA)
 - Minimum academic qualification: Grade 11 with Mathematics or Mathematical Literacy
 - Certified copy of Identity Document (ID): Issued within the last 3 months
 - Certified copy of highest school qualification: Issued within the last 3 months
 - Employment contract and Confirmation of employment: Issued by a MQA levy-paying employer (Not applicable for Private learners).

- ✔ **Route 2:** Department of Mineral Resources and Energy (DMRE) Pathway
 - Minimum academic qualification:
 - N1 Certificate with six (6) subjects, or
 - ABET Level 3 (or recognised equivalent), or
 - Grade 10 school qualification

- Certified copy of Identity Document (ID)
- Certified copy of highest school qualification

Employment contract and Confirmation of employment: Not applicable for private learners.

Training Approach and Duration

The Surface Excavations Rock Breaking qualification spans approximately 24 weeks of full-time training, delivered across six structured phases. The programme begins with 2 weeks of fundamentals, focusing on mathematics and literacy. Learners then progress through consecutive 5-week phases covering health, safety and environmental awareness, drilling operations and explosives, blasting practices and procedures, and plan reading with transport systems. This is followed by 1 week of board preparation and a final summative assessment. Upon successful completion, candidates may apply to the Department of Mineral and Petroleum Resources (DMPR). To be accepted for the Opencast Blasting Board Examination. Examination dates are confirmed by the DMPR.

Requirements	Dates
Please see above Candidate must bring: <ul style="list-style-type: none"> • Required PPE • Valid certificate of medical fitness • Valid first aid certificate 	Q1/2026 02 February – 24 July 2026
	Q2/2026 13 April – 02 September 2026
	Q3/2026 29 June – 11 December 2026
	Q4/2026 07 September 2026 – March 2027
	Q5/2026 16 November 2026 – May 2027

NATIONAL CERTIFICATE: ROCK BREAKING - SURFACE EXCAVATIONS (PART TIME / RPL)

This nationally accredited qualification, aligned with the Mining Qualifications Authority (MQA), prepares learners for competency in surface drilling and blasting operations within open cast mining environments. The programme develops core proficiencies in rock-breaking techniques, explosives handling, environmental impact management, and compliance with statutory and site-specific regulations. Successful learners are recognized as qualified surface blasters, authorized to execute controlled blasting activities under the Mine Health and Safety Act and associated licensing requirements.

Entry Requirements:

To qualify for enrolment, learners must meet the following criteria based on their registration pathway:

- 2 years' experience in a supervisory position that exposed the applicant to blasting related activities
- Letter of service
- CV and qualifications
- Complete an assessment interview with CTC HOD

- ✓ **Route 1:** Registration via Mining Qualifications Authority (MQA)
 - Minimum academic qualification: Grade 11 with Mathematics or Mathematical Literacy
 - Certified copy of Identity Document (ID)
 - Certified copy of highest school qualification
 - Employment contract and Confirmation of employment: Issued by a MQA levy-paying employer (Not applicable for Private learners).
- ✓ **Route 2:** Department of Mineral Resources and Energy (DMRE) Pathway
 - Minimum academic qualification:
 - N1 Certificate with six (6) subjects, or
 - ABET Level 3 (or recognised equivalent), or
 - Grade 10 school qualification
 - Certified copy of Identity Document (ID)
 - Certified copy of highest school qualification
 - Employment contract and Confirmation of employment: Not applicable for private learners.

Training Approach and Duration

The Surface Excavations Rock Breaking qualification is structured over a period of **7 weeks**, combining core foundational learning with targeted operational modules. The programme begins with **2 weeks of fundamentals**, covering essential literacy and numeracy skills to support technical understanding.

This is followed by **monthly 1-week training phases** that focus on key operational competencies. Each phase is designed to build progressive knowledge and practical readiness in the following areas:

- Health, Safety, and Environmental Awareness
- Drilling Operations and Explosives
- Blasting Practices and Procedures
- Mine Plan Interpretation and Transport Systems

After completion of the technical phases, learners undertake **1 week of board preparation**, culminating in a **final summative assessment**. Successful candidates may then apply to the Department of Mineral and Petroleum Resources (DMPR) to be considered for the **Opencast Blasting Board Examination**, with exam dates scheduled and confirmed directly by the DMPR.

Requirements	Dates
<p>Please see above</p> <p>Candidate must bring:</p> <ul style="list-style-type: none"> • Required PPE • Valid certificate of medical fitness • Valid first aid certificate 	<p>Please visit our Portal via www.ctctraining.org, for available dates</p>



What is a Skills Programme?

A skills programme is a short, occupationally directed learning initiative aimed at improving employability. It combines theoretical training with practical work experience, is aligned to unit standards on the National Qualifications Framework (NQF). These programmes are tailored to industry needs, vary in duration, and help address critical skills gaps while promoting specific competencies and a culture of accountability.



COMPETENT PERSON A – SURFACE EXCAVATIONS: SKILLS PROGRAMME

The Competent Person A – Surface Excavations Skills Programme is a statutory requirement under the Mine Health and Safety Act (MHSA) for individuals responsible for inspecting and declaring surface mining workplaces safe. This includes quarries, dumps, and stockpiles, whether blasted or non-blasted, and ensures compliance with Fall of Ground Regulations.

Training Approach and Duration

- Candidates will be required to attend an 8-day training programme at CTC which includes theoretical training and one day exposure at the mine.
- Learners without prior experience in Surface Excavations Mines will be required to complete a workplace practical on-job logbook for 5 days. CTC offers services for practical exposure at a cost.
- After completion of the on-job logbook, learners will have to be assessed practically.
- Upon successful completion of both the theoretical and practical assessments, learners will be registered with the Mining Qualifications Authority (MQA) to enable formal certification.



Learners will complete the required theoretical training and assessment including one day practical exposure/assessment.

Requirements	Training Breakdown	Duration	Dates
<p>Learners must be able to read and write</p> <ul style="list-style-type: none"> Required items of PPE Valid certificate of medical fitness Certified copy of ID Certified copy of qualification <p>This course is a legal requirement for any person that inspects and declares a workplace safe on an opencast mining operation.</p>	<p>Learners will be required to attend class at CTC for 8 days and complete on-job training if required.</p> <p>Learners that don't have sufficient relevant mining experience will be required to complete an on-job logbook on an operational mine. To complete the logbook will take ± 1-2 weeks.</p> <p>On successful completion of the practical assessment, the learner's final registration and certification will be done by the MQA.</p>	<p>8 days + on-job training and assessment</p>	<p>C1/2026 26 Jan – 04 Feb 2026</p> <p>C2/2026 23 Feb – 04 Mar 2026</p> <p>C3/2026 23 Mar – 01 Apr 2026</p> <p>C4/2026 20 Apr – 06 May 2026</p> <p>C5/2026 25 May – 03 Jun 2026</p> <p>C6/2026 22 Jun – 01 Jul 2026</p> <p>C7/2026 20 – 29 Jul 2026</p> <p>C8/2026 17 – 26 Aug 2026</p> <p>C9/2026 14-23 Sept 2026</p> <p>C10/2026 12-21 Oct 2026</p> <p>C11/2026 09-18 Nov 2026</p>

 For quotations and bookings visit www.ctctraining.org. For Mining Opencast availabilities contact **013 689 3121** (ext. 116) or email miningoc@ctctraining.co.za or miningocadmin@ctctraining.co.za

BLASTING ASSISTANT: SURFACE EXCAVATIONS – SKILLS PROGRAMME

This MQA-accredited skills programme prepares learners to operate as Surface Blasting Assistants in compliance with the Mine Health and Safety Act (MHSA) and SAQA-registered unit standards. It is a mandatory legal requirement for individuals assisting with explosives in surface excavation operations, ensuring safe, effective, and compliant blasting support.

Training Approach and Duration

- Candidates will be required to attend an 8-day training programme at CTC which includes theoretical training and one day exposure at the mine.
- Learners without prior experience in a blasting bench of Surface Excavations Mines will be required to complete a workplace practical on-job logbook for 5 days. CTC offers services for practical exposure at a cost.
- After completion of the on-job logbook, learners will have to be assessed practically.
- Upon successful completion of both the theoretical and practical assessments, learners will be registered with the Mining Qualifications Authority (MQA) to enable formal certification.

Requirements	Training Breakdown	Duration	Dates
<p>Learners must be able to read and write</p> <ul style="list-style-type: none"> • Required items of PPE • Valid certificate of medical fitness • Certified copy of ID • Certified copy of qualification 	<p>Learners will be required to attend class at CTC for 8 days and complete on-job training if required.</p> <p>Learners that don't have sufficient relevant mining experience will be required to complete an on-job logbook on an operational mine. To complete the logbook will take ± 1-2 weeks.</p> <p>On successful completion of the practical assessment, the learner's final registration and certification will be done by the MQA.</p>	<p>8 days + on-job training and assessment</p>	<p>B1/2026 12-21 Jan 2026</p> <p>B2/2026 09-18 Feb 2026</p> <p>B3/2026 09-18 Mar 2026</p> <p>B4/2026 07-16 April 2026</p> <p>B5/2026 19-28 May 2026</p> <p>B6/2026 11-20 May 2026</p> <p>B7/2026 08-19 June 2026</p> <p>B8/2026 06-15 July 2026</p> <p>B9/2026 03-13 Aug 2026</p> <p>B10/2026 31 Aug - 09 Sept 2026</p> <p>B11/2026 05-14 Oct 2026</p> <p>B12/2026 26 Oct - 4 Nov 2026</p> <p>B13/2026 23 Nov - 02 Dec 2026</p>

11.1 Underground Mining Training

At Colliery Training College (CTC), we equip production miners, blasters, and mineral processing plant operators with the skills and competencies required to meet the demands of a modern coal mining industry. These professionals play a vital role in overseeing crew operations, managing sophisticated machinery, and ensuring the safe and efficient extraction and processing of coal—both underground and opencast, as well as within plant environments.

CTC-trained personnel are entrusted with achieving production targets while upholding strict health and safety standards. In an industry driven by innovation and mechanisation, their expertise in operating advanced mining systems positions them at the core of sustainable coal production in South Africa.

NATIONAL CERTIFICATE: MINING OPERATIONS: UNDERGROUND COAL

This nationally accredited qualification provides learners with the technical, operational, and safety competencies required to perform effectively as underground coal miners. Core focus areas include coal cutting techniques, support installation and removal, gas detection and monitoring, flameproof equipment operation, and material transportation systems. The programme also covers foundational competencies in explosives handling and blasting practices, ensuring that learners can safely conduct blasting operations in controlled activities in line with site-specific protocols and regulatory requirements. It is structured to develop a safety-conscious, skilled workforce aligned with the MHSA, MQA, and QCTO standards for underground coal mining operations.

Entry Requirements: National Certificate – Mining Operations (Underground Coal)

To be considered for enrolment, learners must meet the criteria outlined below:

- ✔ **Route 1:** Registration via Mining Qualifications Authority (MQA)
 - Minimum academic qualification: Grade 11 with Mathematics or Mathematical Literacy, and English
 - Certified copy of Identity Document (ID) – issued within the last 3 months
 - Certified copy of highest school qualification – issued within the last 3 months
 - Employment contract – signed and dated
 - Confirmation of employment – issued by the current employer

- ✔ **Route 2:** Department of Mineral Resources and Energy (DMRE) Pathway
 - Minimum academic qualification:
 - N2 Certificate with at least six (6) subjects, or
 - ABET Level 3 (or recognised equivalent), or
 - Grade 10 school qualification
 - Certified copy of Identity Document (ID)
 - Certified copy of highest school qualification
 - Employment contract – signed and dated
 - Confirmation of employment (Not applicable for Private learners)

Training Approach and Duration

The underground coal miner training programme spans approximately 33 weeks and 2 days, beginning with 2 weeks of fundamentals training followed by 2 weeks of site induction at Seriti Khutala Mine. The programme then progresses through structured phases covering the Support Cycle, Cutting Cycle, Drilling Cycle, Blasting Cycle, Loading Cycle, and Conveyor Belts Cycle, alongside supervisory development, workplace exposure, final assessments, and MQA board preparation. This phased approach ensures learners are comprehensively prepared for safe and compliant work within underground coal mining operations.

For Private Customers (those without an employer); The applicant is also required to complete the following qualification at CTC:

Occupational Certificate: Underground Coal Continuous Miner for 5 weeks.

 For quotations and bookings visit www.ctctraining.org. For Underground Mining availabilities contact **013 691 9933/4/5** or email miningug@ctctraining.co.za



Requirements	Training Breakdown	Dates
Learners registered on National Certificate: <ul style="list-style-type: none"> Grade 11 with Math / Math lit or N2 Maths Employer must be MQA levy paying. Learners following DMR route: <ul style="list-style-type: none"> Grade 10 N1 with 6 subjects ABET Level 3 or equivalent Candidate must bring: <ul style="list-style-type: none"> Required items of PPE Valid certificate of medical fitness Certified copy of ID Certified copy of qualification Necessary Application for Training form Service Level Agreement 	During the Basic Training, all students will complete the core, fundamental and specific modules / unit standards, some of the modules include: <ul style="list-style-type: none"> Elementary mining (Ventilation, dust, etc.) Support Cutting Drilling Blasting Loading Conveyor belts 30 weeks (Full time)	Please visit our Portal via www.ctctraining.org , for available dates

BLASTING BOARD PREP

Preparation for Blasting Board. Blasting Board - Exam.

Requirements	Training Breakdown	Duration	Dates
Successful completion of Learnership for Blasting Certificate Candidate must bring: <ul style="list-style-type: none"> Required items of PPE Valid certificate of medical fitness Certified copy of ID Certified copy of qualification Necessary Application for Training form Service Level Agreement 	After completion of the above application will be made to the DMR for acceptance to the DMR Underground Blasting Board Exam. Date for this examination will be supplied by the DMR.	4 days (prep) 1 day (exam)	19-23 January 2026 23-27 February 2026 07-10 April 2026 11-14 August 2026 12-16 October 2026 30 Nov – 04 Dec 2026

 For quotations and bookings visit www.ctctraining.org. For Underground Mining availabilities contact **013 692 3121 (ext. 120)** or email miningug@ctctraining.co.za

Blasting Assistant (Underground Coal) – Skills Programme

This skills programme is a statutory requirement for individuals involved in the handling, use, or assistance in carrying out explosives-related activities within underground coal mining operations. It ensures candidates are equipped with the necessary competencies to assist in conducting blasting duties safely, responsibly, and in alignment with legal and operational standards

Training Approach and Duration

- Candidates will be required to attend a 5-day training programme at CTC, hosted by Seriti Khutala Mine.
- Upon successful completion of both the theoretical and practical assessments, learners will be registered with the Mining Qualifications Authority (MQA) to enable formal certification

Learners will complete the required theoretical training and assessment including one day practical exposure/assessment.

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Requirements	Training Breakdown	Duration	Dates
Learners must be able to read and write <ul style="list-style-type: none"> • Required items of PPE • Valid certificate of medical fitness • Certified copy of ID • Certified copy of qualification 	Learners will be required to attend class at CTC for 5 days and complete on-job training if required. Learners that don't have sufficient relevant mining experience will be required to complete an on-job logbook on an operational mine. To complete the logbook will take ± 1-2 weeks. On successful completion of the practical assessment, the learner's final registration and certification will be done by the MQA.	5 days	26-30 January 2026 16-20 March 2026 01-05 June 2026 24-28 August 2026 19-23 October 2026

Competent Person A – Underground Coal: Skills Programme Overview

This skills programme is a mandatory legal requirement for individuals responsible for inspecting and declaring the safety of a workplace for themselves and their crew within an underground coal mining environment. It is designed to ensure that participants acquire the necessary competencies to perform these inspections in compliance with mining legislation and operational safety standards.

Entry Requirements

Candidates must meet the following minimum criteria to qualify for enrolment:

- Proficiency in reading and writing in English.
- A minimum of 10 days of underground mining experience.
- Possession of underground Personal Protective Equipment (PPE).

Training Approach and Duration

- Candidates will be required to attend a 5-day training programme at CTC, hosted by Seriti Khutala Mine.
- Upon successful completion of both the theoretical and practical assessments, learners will be registered with the Mining Qualifications Authority (MQA) to enable formal certification.

 For quotations and bookings visit www.ctctraining.org. For Underground Mining availabilities contact **013 692 3121** (ext. 120) or email miningug@ctctraining.co.za





FALL OF GROUND COMPETENT “A” (UNDERGROUND COAL) - SKILLS PROGRAMME

Learners will complete the required theoretical training and assessment including one day practical exposure/assessment.

This course is a legal requirement for any person that inspects and declares a workplace safe on an underground mining operation.

Requirements	Training Breakdown	Duration	Dates
Learners must be able to read and write, with a minimum of 10 days underground exposure.	Learners will be required to attend class at CTC for 5 days and complete on-job training if required.	5 days	12-16 January 2026
A candidate must be in possession of: <ul style="list-style-type: none"> • Personal information document • Certified copy of ID • Copy of Medical Fitness Certificate • Underground clothing and PPE • CTC Application for training 	Learners that don't have sufficient relevant mining experience will be required to complete an on-job logbook on an operational mine. To complete the logbook will take ± 1-2 weeks.		09-13 March 2026
			25-29 May 2026
	On successful completion of the practical assessment, the learner's final registration and certification will be done by the MQA.		03-07 August 2026
			26-30 October 2026

 For quotations and bookings visit www.ctctraining.org. For Underground Mining availabilities contact **013 692 3121 (ext. 120)** or email miningug@ctctraining.co.za



COMPETENT PERSON B (UNDERGROUND COAL) – SKILLS PROGRAMME

This programme is a statutory requirement for individuals who install, maintain, or remove support elements within an underground coal mining environment. It ensures compliance with legal standards and promotes safety in ground control operations.

Training Approach and Duration

- Candidates will be required to attend a 5-day training programme at CTC, hosted by Seriti Khutala Mine.
- Upon successful completion of both the theoretical and practical assessments, learners will be registered with the Mining Qualifications Authority (MQA) to enable formal certification.

Learners will complete the required theoretical training and assessment including one day practical exposure/assessment.

This course is a legal requirement for any person that inspects, makes safe and declares a workplace safe on an underground mining operation.

 For quotations and bookings visit www.ctctraining.org. For Underground Mining availabilities contact **013 692 3121 (ext. 120)** or email miningug@ctctraining.co.za

Requirements	Training Breakdown	Duration	Dates
<p>Learners must be able to read and write, with a minimum of 10 days underground exposure.</p> <p>A candidate must be in possession of:</p> <ul style="list-style-type: none"> • Personal information document • Certified copy of ID • Copy of Medical Fitness Certificate • Underground clothing and PPE • CTC Application for training 	<p>Learners will be required to attend class at CTC for 5 days and complete on-job training if required.</p> <p>Learners that don't have sufficient relevant mining experience will be required to complete an on-job logbook on an operational mine. To complete the logbook will take ± 1-2 weeks.</p> <p>On successful completion of the practical assessment, the learner's final registration and certification will be done by the MQA.</p>	5 days	<p>02-06 February 2026</p> <p>13-17 April 2026</p> <p>22-26 June 2026</p> <p>30 Aug – 04 Sep 2026</p> <p>09-13 November 2026</p>

GASES AND GAS TESTING LEVEL 3 (UNDERGROUND COAL) SKILLS PROGRAMME

This skills programme is a statutory requirement for individuals working in underground coal mining operations where the presence or potential release of flammable and/or noxious gases exists. The programme equips candidates with critical competencies to detect, assess, and respond to gas-related hazards, ensuring compliance with mine health and safety regulations under applicable legislative frameworks and industry standards.

Training Approach and Duration

- Candidates will be required to attend a 10-day training programme at CTC, hosted by Seriti Khutala Mine.
- Upon successful completion of both the theoretical and practical assessments, learners will be registered with the Mining Qualifications Authority (MQA) to enable formal certification

This course aligns with the DMR requirements. Practical Assessment conducted in an underground production section. Theory Assessments are conducted in the presence of a testing board

Content includes:

- ✓ Gases
- ✓ Regulations
- ✓ Underground workshops
- ✓ Ventilation
- ✓ Gas testing practices

Minimum Requirements	Target Population	Duration	Dates
PPE (Overall, Hard hat, Safety boots, Glasses, lampie belt)	All Mining students that are required to work in an underground fiery (coal) mine	2 weeks	19-30 January 2026
Minimum of 3 months relevant underground exposure in a production section of a fiery coal mine			23 Mar – 03 April 2026
Valid Red ticket			11-22 May 2026
			20-31 July 2026
			28 Sep – 09 Oct 2026

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GASES AND GAS TESTING LEVEL 1 (UNDERGROUND COAL) - SKILLS PROGRAMME

Minimum Requirements	Duration	Dates
PPE (Overall, Hard hat, Safety boots, Glasses, lampie belt)	5 Days	02-06 March 2026
Minimum of 3 months relevant underground exposure in a production section of a fiery coal mine		08-12 June 2026
Valid Red ticket		17-21 August 2026
		02-06 November 2026

FLAMEPROOF FOR MINERS - SKILLS PROGRAMME

This skills programme is a regulatory requirement for production supervisors operating within underground coal mining environments where flameproof equipment is utilised. It provides the necessary competencies to ensure safe handling, maintenance, and operational oversight of flameproof apparatus, in accordance with relevant legislative and safety standards.

Training Approach and Duration

- Candidates will be required to attend a 5-day training programme at CTC, hosted by Seriti Khutala Mine.
- Upon successful completion of both the theoretical and practical assessments, learners will be registered with the Mining Qualifications Authority (MQA) to enable formal certification

Practical Assessment conducted in a controlled environment. Theory is assessed through Computer Based Assessments. Candidate will be issued with a certificate of competency on successful completion of the course

Content includes:

- ✓ Methane, Hydrogen and coal dust
- ✓ Standards and modifications
- ✓ Flameproof Enclosure
- ✓ Diesel Engines

Minimum Requirements	Target Population	Duration	Dates
PPE (Overall, Hard hat, Safety boots, Glasses, lampie belt)	Mining and Operational personnel	5 Days	16-20 February 2026
Minimum of 3 months relevant underground exposure in a production section of a fiery coal mine			04-08 March 2026
Valid Red ticket			13-17 July 2026
			14-18 Sep 2026
			23-27 November 2026

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SAFETY, HEALTH AND ENVIRONMENT REPRESENTATIVE – SKILLS PROGRAMME

This skills programme is a statutory requirement for employees elected to serve as Safety, Health and Environment (SHE) Representatives within coal mining operations. It equips candidates with the necessary competencies to ensure workplace compliance with safety regulations, while actively promoting health and environmental standards in alignment with legal and operational frameworks.

Entry Requirements:

Candidates must meet the following minimum criteria to qualify for enrolment:

- Proficiency in reading and writing in English.
- A minimum of 10 days of underground mining experience.
- Possession of underground Personal Protective Equipment (PPE).

Required Documentation

The following documents must be submitted prior to enrolment:

- Completed CTC Training Application Form.
- Completed CTC Personal Information Document.
- Certified copy of South African ID, not older than three months from the date of certification.
- Confirmation Letter of Employment

Training Approach and Duration

- Candidates will be required to attend a 5-day training programme at CTC, hosted by Seriti Khutala Mine.
- Upon successful completion of both the theoretical and practical assessments, learners will be registered with the Mining Qualifications Authority (MQA) to enable formal certification

Minimum Requirements	Target Population	Duration	Dates
Proficiency in reading and writing in English.	Safety Representatives	5 Days	09-13 February 2026
Minimum 10 Days Of Underground Mining Experience			20-24 April 2026
PPE (Overall, Hard hat, Safety boots, Glasses, lampie belt)			06-10 July 2026
			07-11 September 2026
			16-20 November 2026

PLEASE REMEMBER THAT COURSE FEES DO NOT INCLUDE COURSE MANUALS, ASSESSMENT FEES, TRAVELLING OR ACCOMMODATION EXPENSES.

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SPECIALISED MINING SHORT COURSE: MINE MANAGER'S CERTIFICATE OF COMPETENCY (PART C) COACHING

Expert-led MMCC Part C Coaching focused on MSHA application and exam readiness, delivered by CTC in partnership with SNOPOH Holdings.

Expert Led Coach:

- MSHA Specialist and MMCC Part C Coach
- Former Director: Mine Safety – Department of Mineral
- Petroleum Resources
- Former Principal Inspector of Mines
- University Mining Engineering lecturer
- Over 20 years' experience coaching MMCC Part C

Candidates:

- Extensive consultancy footprint across the mining industry

Requirement:

- Candidate must have received acceptance for Mine Manager's Certificate of Competency from the DMPR.

Description	Time	Dates
In-person Classes at CTC	08:00 – 14:00	Please visit our Portal via www.ctctraining.org , for available dates
Virtual On-line Classes	19:00 – 21:00	



11.2 Mineral Processing Training

Mineral processing is the essential link between mining and the market. It involves the physical and chemical treatment of raw ore to separate valuable minerals from waste material, ensuring that resources are utilised efficiently and sustainably. Skilled plant operators and mineral processing professionals are critical to this process, as they ensure that coal and other minerals are prepared to meet industry specifications, customer requirements, and environmental standards. At Colliery Training College (CTC), our programmes are designed to equip learners with both the theoretical knowledge and the hands-on practical skills needed to thrive in this vital sector.



Basic Coal Preparation for Plant Operators

Duration:

7 weeks- theory and on-site practical. Theory is offered both physical class attendance and online.

Focus:

Training plant operators in the fundamental principles of mineral processing

Learning Approach:

Classroom lectures covering geology, coal sampling, analysis, screening, crushing, dense medium separation, fine coal cleaning, plant control, blending, pollution, and safety. Practical exposure at coal processing plants, with learners completing projects, tasks, and on-job training to build competence.

Outcome:

Learners gain the skills to master coal preparation techniques, ensuring coal is processed to meet utilisation potential and customer requirements. Practical assessments are conducted at CTC to validate competence.

Entry Requirements:

A student wishing to register for the Basic Coal Preparation course must have a minimum educational qualification of Grade 9 / ABET Level 4 (Maths and English).

Course Information:

- ✓ A maximum of 25 students and a minimum of 10 students will be accepted for each course.
- ✓ Assessments consists of:
 - A theoretical written exam for each unit standard – pass mark 50%
 - A practical assessment for each unit standard – pass mark 80%
- Students must complete all projects and tasks contained in the On-Job Practical
- ✓ training course to be eligible for the practical assessments.
- An overall average of 90% is a pass mark with distinction.
- ✓ Below 80% but not less than 50% in the practical assessment, the student will be
- ✓ re-assessed up to a third attempt.

- ✓ No course material will be issued prior to commencement of the course.
- ✓ The course program for each Module will be issued on the date of commencement.

Course Content	Duration	Schedule
Class 1	7 weeks at 2 days/week	09 Feb - 26 Mar 2026
Class 2	7 weeks at 2 days/week	20 Apr – 11 June 2026
Class 3	7 weeks at 2 days/week	17 June – 30 Jul 2026
Class 4	7 weeks at 2 days/week	17 Aug – 01 Oct 2026
Class 5	7 weeks at 2 days/week	19 Oct – 04 Dec 2026

For quotations and bookings visit www.ctctraining.org. For Mineral Processing availabilities contact **013-692 3121** (ext. 220/231) or email wsmnguni@ctctraining.co.za or jjitibane@ctctraining.co.za

Advanced Coal Preparation

Target Audience:

Experienced mineral processing personnel and supervisors

Duration:

Four study schools, for a full year.

Focus:

Providing a comprehensive and advanced scope of coal preparation and utilisation

Learning Approach:

In-depth theoretical modules covering advanced beneficiation techniques, plant optimisation, and management of coal preparation environments. A final the project presented to a panel of examiners, demonstrating mastery of advanced concepts and practical application.

Outcome:

Graduates are prepared to play a strategic role in managing and optimising coal beneficiation plants, contributing to operational excellence and sustainable resource utilisation



Entry Requirements:

- ✔ A minimum of educational qualification of Grade 10 (with Maths and English) and must have completed the Basic Coal Preparation course.
- ✔ A maximum of 15 nominations and a minimum of 8 will be accepted on the course.
- ✔ The entire course must be completed in one calendar year.

Course Information:

- ✔ Candidates will be credited for each module and project passed.
- ✔ The pass mark for the course is an overall average of 50%. An overall average of 80% is a pass mark with distinction.
- ✔ A certificate will be issued on successful completion of all modules.
- ✔ Modules 1 to 4: Theoretical examination papers 1 and 2 covering Coal Beneficiation II syllabus.
- ✔ Modules 3 and 4: Theoretical examination papers 3 and 4 covering Coal Beneficiation Plant II syllabus.
- ✔ The minimum pass mark to obtain a credit for the modules is 50%. Below 50% for either the class average or the final examination, but not less than 45%, the candidate may apply to write a supplementary examination. Below 45% in any of the said categories will disqualify the candidate for a re-write.
- ✔ Project: Minimum pass mark 50% (A 200-hour practical project after completion of all 4 modules).
- ✔ No course material will be issued prior to commencement of the course.
- ✔ The course program for each Module will be issued on the date of commencement.



Course Content	Duration	Schedule
Study School 1 – Module 1 Examination	3 weeks	19 Jan – 06 Feb 2026
Study School 1 – Re-Assessment	4 days	
Study School 2 – Module 2 Examination	3 weeks	30 Mar – 17 Apr 2026
Study School 3 – Module 3 Examination	3 weeks	27 Jul – 14 Aug 2026
Study School 4 – Module 4 Examination	3 weeks	28 Sep – 16 Oct 2026
Projects Submission		
Project Presentation Dates		

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