

Engineering and Related Design

Quick Facts

Students who complete this qualification could pursue careers, further their studies or become artisans in the mechanical engineering sector.

This provides you with essential industry-related skills, simulated practical and work experience and improves your employability post qualification.



What can I do with an NCV Level 4 qualification?

- Go to university or other tertiary education institutions.
- Start working after matric.
- Start my own venture.

Programme information

The Engineering and Related Design programme exposes students to the basic industrial environment, engineering principles, as well as engineering systems, activities and processes.

What will I learn?

- The design and construction of buildings.
- Manufacturing of tools, machines and engines.
- Operation and maintenance of machines.
- Extraction of metallic and non-metallic minerals.
- Design of shaft and ventilation systems.
- Interpretation and production of engineering drawings, maps, sketches, and computer-aided design (CAD).
- Extra tools, equipment, methods and processes to produce components

Entry requirements

- Grade 9 pass
- Or NQF Level 1 qualification

Qualification ID

- National Certificate Vocational NQF Levels 2, 3 and 4
- Accreditation body: Umalusi. Each level takes one year to complete.
- SAQA ID Level 2: 50440; SAQA ID Level 3: 50442 SAQA ID Level 4: 50441

Engineering and Related Design

This career-focused matric is right for you if you are interested in the engineering industry including manufacturing, mining, car manufacturing and petrochemical industries.

The programme:

- follows the NCV curriculum.
- provides you with essential industry-related skills.
- gives you simulated practical and work experience to improve your employability after matric.
- is predominantly skills-focused and integrates with academic knowledge.

Curriculum

Basic subjects:

- English First Additional Language
- Life Skills and Computer Literacy
- Mathematics or Mathematical Literacy

Compulsory subjects:

NCV 2

- Engineering Fundamentals
- Engineering Systems
- Engineering Technology
- Physical Sciences

NCV 3

- Engineering Practice and Maintenance
- Engineering Graphics and Design
- Materials Technology
- Physical Sciences

NCV 4

- Applied Engineering Technology
- Engineering Processes
- Professional Engineering Practice
- Physical Sciences



Scan here for more information

HOW TO ENROL

Option 1: Submit an application form with all supporting documents.

Option 2: Apply online. Follow the prompts on www.curro.co.za.

Option 3: Contact us and we will guide you through the process.