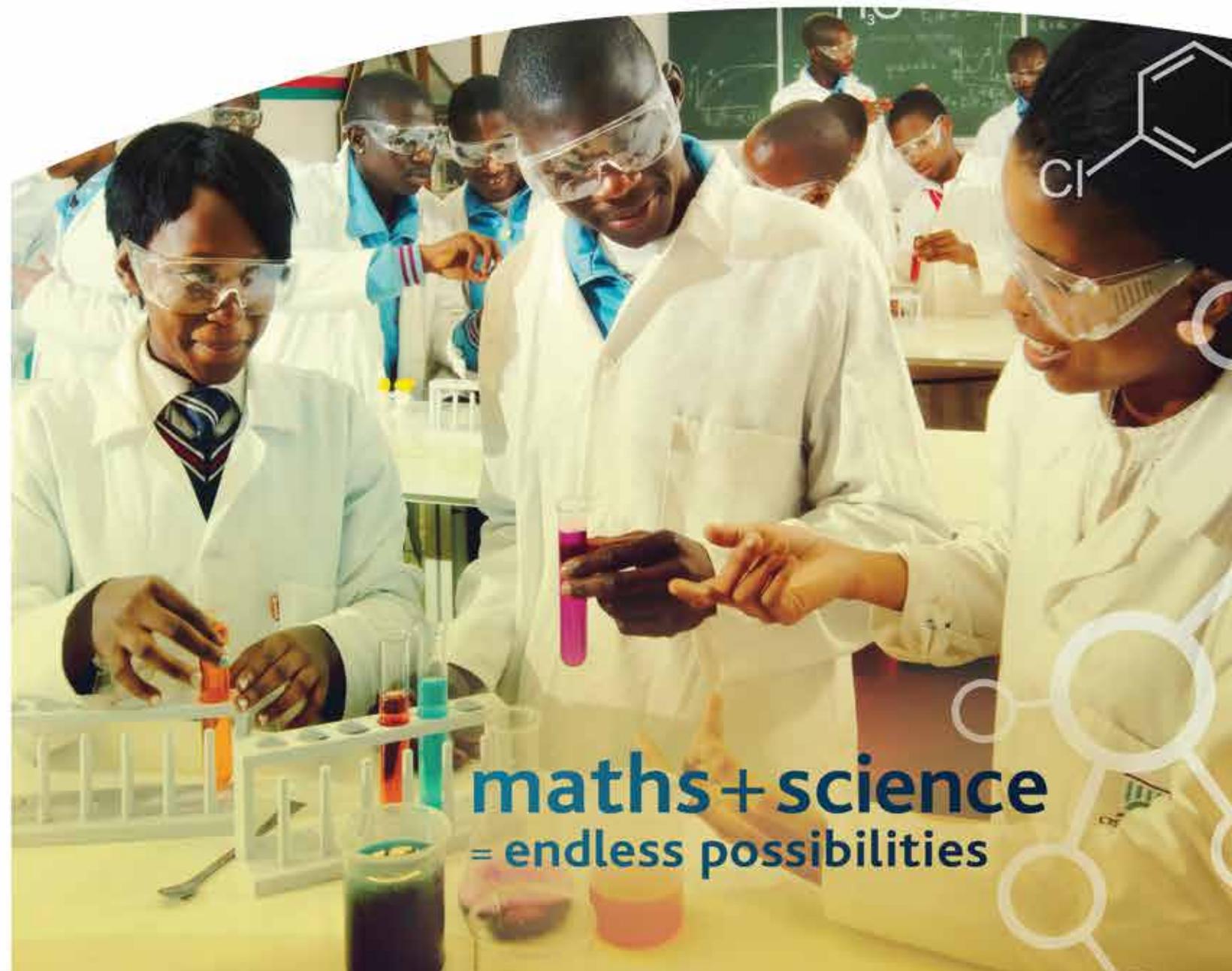


learner guide

sasol science careers



www.sasol.com

about sasol

Committed to excellence in all we do, Sasol is an international integrated energy and chemical company that leverages the talent and expertise of our more than **34 000 people working in 38 countries**.

We develop and commercialise technologies, build and operate world-scale facilities to produce a range of product streams, **including liquid fuels, chemicals and electricity**.

While continuing to support our home-base of South Africa, Sasol is **expanding internationally based on a unique value proposition**, which links our diverse businesses into an integrated value chain supported by top-class functions.

Sasol was formed in 1950 in Sasolburg and is listed on the New York and Johannesburg Stock Exchange.

Being an employer of choice is our priority. We strive to offer competitive remuneration, create safe and rewarding workplaces, promote positive corporate values, and we value the strength in the diversity of our people.



our common vision and common objectives

what we aspire and work towards

our common vision

To grow profitably, sustainably and inclusively, while delivering value to stakeholders through technology and the talent of our people in the energy and chemical markets in Southern Africa and worldwide.

our common objectives

To be strong and sustainably profitable, we have to know what we are working towards and what is expected of us as individuals, as a team and as an organisation. We are better together, one team – One Sasol.



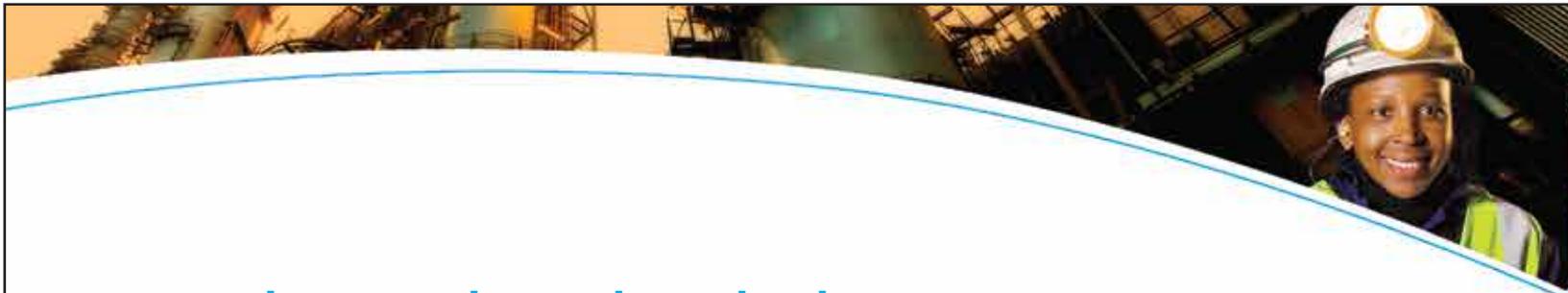
our common goal

To make Sasol a great company that delivers long-term value to its shareholders and employees; a company that has a positive association for all stakeholders.



our definition of victory

To grow shareholder value sustainably.



our culture and our shared values

As we move towards the future, and given our long-term aspirations, we recognise that the organisation's culture is a key component to take us forward successfully. Our culture, together with our shared values, is essential to help us achieve what we are working towards.

To be a successful, values-driven, high-performing organisation we must all:

- actively work towards achieving our common goal;
- drive and inspire ourselves and each other to deliver the best results;
- know the roles we play and what we are accountable for;
- live our shared values in all that we do; and
- understand that, irrespective of our race, gender, nationality, or the role we play in the company, we are all part of one team, One Sasol.

Sasol is a values-driven, high-performing organisation. We believe in our people and, for all of us, safety is our foremost priority.

We understand and are responsive to our stakeholders. We take accountability for our behaviour and performance, while acting with integrity and striving for excellence in all we do.

Our values were recently reviewed to ensure they are relevant in our changing company context. Accordingly, we introduced updated shared values.

our shared values

- **Safety:** We are committed to zero harm and all that we do, we do safely.



- **People:** We create a caring, engaged and enabled work environment that recognises both individual and team contributions in pursuit of high performance.



- **Integrity:** We act consistently based on a set of values, ethical standards and principles.



- **Accountability:** We take ownership of our behaviour and responsibility to perform both individually and in teams.



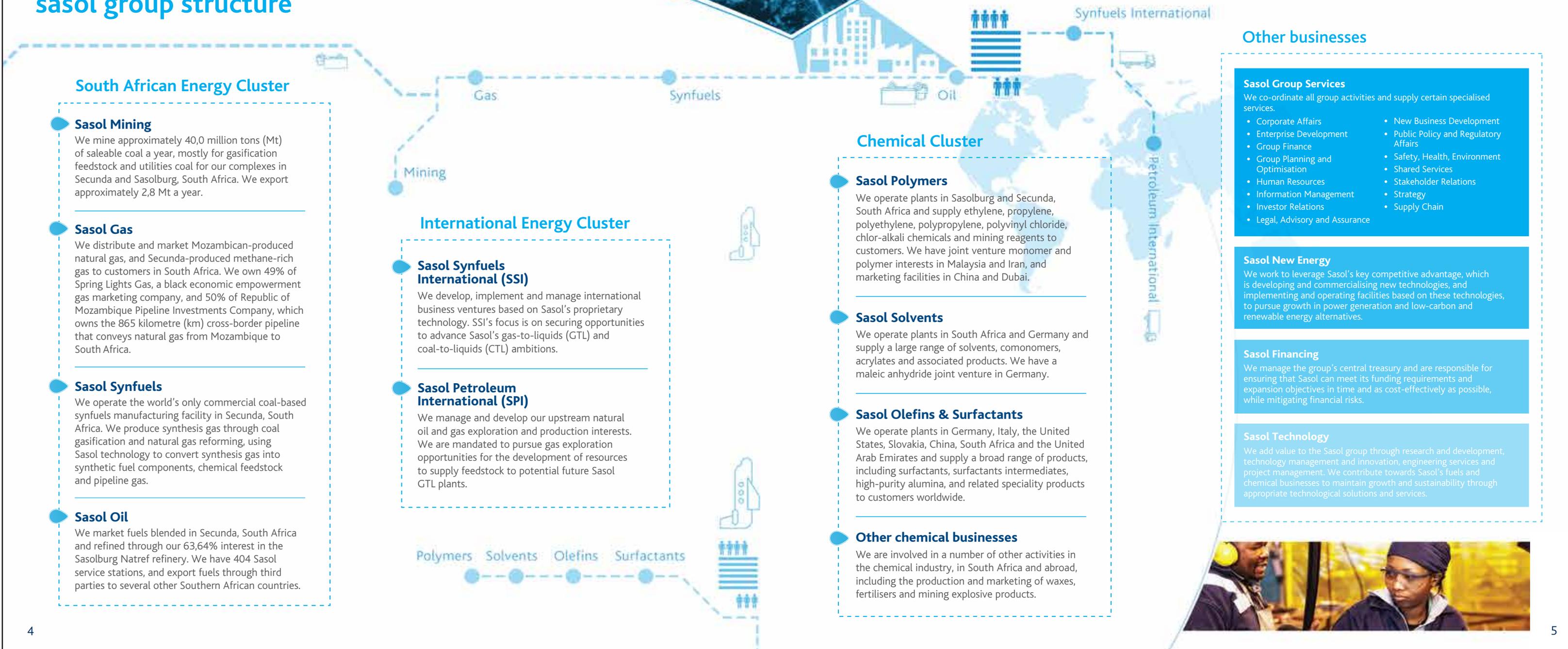
- **Stakeholder focus:** We serve our stakeholders through quality products, service solutions and value creation.



- **Excellence in all we do:** We deliver what we promise and add value beyond expectations.



sasol group structure



South African Energy Cluster

Sasol Mining

We mine approximately 40,0 million tons (Mt) of saleable coal a year, mostly for gasification feedstock and utilities coal for our complexes in Secunda and Sasolburg, South Africa. We export approximately 2,8 Mt a year.

Sasol Gas

We distribute and market Mozambican-produced natural gas, and Secunda-produced methane-rich gas to customers in South Africa. We own 49% of Spring Lights Gas, a black economic empowerment gas marketing company, and 50% of Republic of Mozambique Pipeline Investments Company, which owns the 865 kilometre (km) cross-border pipeline that conveys natural gas from Mozambique to South Africa.

Sasol Synfuels

We operate the world's only commercial coal-based synfuels manufacturing facility in Secunda, South Africa. We produce synthesis gas through coal gasification and natural gas reforming, using Sasol technology to convert synthesis gas into synthetic fuel components, chemical feedstock and pipeline gas.

Sasol Oil

We market fuels blended in Secunda, South Africa and refined through our 63,64% interest in the Sasolburg Natref refinery. We have 404 Sasol service stations, and export fuels through third parties to several other Southern African countries.

International Energy Cluster

Sasol Synfuels International (SSI)

We develop, implement and manage international business ventures based on Sasol's proprietary technology. SSI's focus is on securing opportunities to advance Sasol's gas-to-liquids (GTL) and coal-to-liquids (CTL) ambitions.

Sasol Petroleum International (SPI)

We manage and develop our upstream natural oil and gas exploration and production interests. We are mandated to pursue gas exploration opportunities for the development of resources to supply feedstock to potential future Sasol GTL plants.

Chemical Cluster

Sasol Polymers

We operate plants in Sasolburg and Secunda, South Africa and supply ethylene, propylene, polyethylene, polypropylene, polyvinyl chloride, chlor-alkali chemicals and mining reagents to customers. We have joint venture monomer and polymer interests in Malaysia and Iran, and marketing facilities in China and Dubai.

Sasol Solvents

We operate plants in South Africa and Germany and supply a large range of solvents, comonomers, acrylates and associated products. We have a maleic anhydride joint venture in Germany.

Sasol Olefins & Surfactants

We operate plants in Germany, Italy, the United States, Slovakia, China, South Africa and the United Arab Emirates and supply a broad range of products, including surfactants, surfactants intermediates, high-purity alumina, and related speciality products to customers worldwide.

Other chemical businesses

We are involved in a number of other activities in the chemical industry, in South Africa and abroad, including the production and marketing of waxes, fertilisers and mining explosive products.

Other businesses

Sasol Group Services

We co-ordinate all group activities and supply certain specialised services.

- Corporate Affairs
- Enterprise Development
- Group Finance
- Group Planning and Optimisation
- Human Resources
- Information Management
- Investor Relations
- Legal, Advisory and Assurance
- New Business Development
- Public Policy and Regulatory Affairs
- Safety, Health, Environment
- Shared Services
- Stakeholder Relations
- Strategy
- Supply Chain

Sasol New Energy

We work to leverage Sasol's key competitive advantage, which is developing and commercialising new technologies, and implementing and operating facilities based on these technologies, to pursue growth in power generation and low-carbon and renewable energy alternatives.

Sasol Financing

We manage the group's central treasury and are responsible for ensuring that Sasol can meet its funding requirements and expansion objectives in time and as cost-effectively as possible, while mitigating financial risks.

Sasol Technology

We add value to the Sasol group through research and development, technology management and innovation, engineering services and project management. We contribute towards Sasol's fuels and chemical businesses to maintain growth and sustainability through appropriate technological solutions and services.



science career opportunities at sasol

1. learning and development

Sasol offers opportunities for learning and development through various programmes. Our entry level programmes include the Sasol Bursary Scheme and the Sasol Learnership Programme. By joining Sasol you become part of an organisation that is committed to the training and development of motivated and talented individuals to drive success.

the sasol bursary scheme

(South Africa only)

This offers an all-inclusive bursary package for full-time university studies in engineering, science and commerce disciplines. Upon successful completion of the study period, students will have an opportunity to be employed within the Sasol Group through our Graduate Development Programme.

Note: Bursaries are awarded for fields of study listed in this brochure. Applicants should submit an application based on a real interest in the field and not only because they may secure a bursary.

Find out more:
visit www.sasol.com or www.sasolbursaries.com to find out more about our bursary opportunities.

entry requirements for bursaries

B. Eng

Chemical; Electrical;
Electronic; Industrial; Civil;
Mining; Mechatronics;
Computer; Mechanical

Required subjects & Curriculum mark

- Maths @ level 7
- Science @ level 6
- English @ level 5

BSc

Chemistry; Geology; Metallurgy

Required subjects & Curriculum mark

- Maths @ level 7
- Science @ level 6
- English @ level 5

BCom

Accounting; Logistics; Economics;
Law; Procurement & Supply

Required subjects & Curriculum mark

- Maths @ level 5
- English @ level 5

the sasol learnership programme

(South Africa only)

By joining Sasol's Learnership programme you will be trained in the core skills and safety standards associated with the maintenance and operation of our plants. We offer on-the-job learning supported by structured or institutional learning in the following fields:

- instrumentation and control
- electrical operations
- fitting
- turning
- boiler making
- welding
- rigging

**maths +
science**
= endless possibilities

entry requirements for learnerships

Grade 12 with Maths HG/SG

Does NOT include Maths Literacy, Additional Maths, Functional Maths, Commercial Maths, Applied Maths.

Grade 12 Physical Science HG/SG

Does NOT include Life Sciences, Science Literacy, Functional Science, Natural Science and General Science.

Grade 12 English

Passed OR an N3 Certificate with Maths, Engineering Science, Business English and any 2 subjects passed.
(total of 5 subjects)

Find out more:

Email learnership@sasol.com or call +27 17 610 7501 to find out more about our great learnership opportunities.

connect with us:



2. entry level careers

The following table includes most of the entry level opportunities in science careers at Sasol. Depending on your qualifications, you can become an artisan, technician, technologist or engineer. These careers require skills that are high in demand in the petrochemical industry and are well remunerated. To qualify for the careers specified, Maths (not Maths Literacy) and Science at Grade 12 level / NQF Level 4, is a minimum requirement. Furthermore, based on the level achievement in matric and/or higher education qualifications obtained, you can access a career as an artisan, technician, technologist or engineer. Please note the entry requirements for each career respectively.

NB: Maths and Science is a requirement for all of these careers.

Career Opportunities	Artisan: Gr 12 or NQF4 or Trade	Technician: National Diploma	Technologist: National Higher Diploma or B.Tech	Engineer: University Qualification
Access Control Mechanician	✓	▪	▪	▪
Air Conditioning Mechanician	✓	▪	▪	▪
Auto Electrician	✓	▪	▪	▪
Boilermaker	✓	▪	▪	▪
Chemical Engineer	▪	✓	✓	✓
Civil Engineer	▪	✓	✓	✓
Control System Engineer	✓	✓	✓	✓
Cost Estimator	▪	✓	✓	✓
Detection Mechanician	✓	▪	▪	▪
Development Engineer	▪	✓	✓	✓
Diesel and Petrol Mechanic	✓	▪	▪	▪
Directional Drilling	✓	▪	▪	▪
Draughtsperson	✓	✓	✓	✓
Electrical Engineer	✓	✓	✓	✓
Electronics	▪	✓	✓	▪
Environmental Engineer	▪	▪	✓	✓

NB: Maths and Science is a requirement for all of these careers.

Career Opportunities	Artisan: Gr 12 or NQF4 or Trade	Technician: National Diploma	Technologist: National Higher Diploma or B.Tech	Engineer: University Qualification
Explosives	▪	✓	✓	▪
Fitter and Turner	✓	▪	▪	▪
Geologists/Rock Engineer	▪	▪	▪	✓
Industrial Engineer	▪	✓	✓	✓
Inspector (Piping)	✓	✓	✓	✓
Instrument Engineer	✓	✓	▪	▪
Mechanical Engineer	✓	✓	✓	✓
Metallurgical Engineer	▪	✓	✓	✓
Mining Engineer	▪	▪	▪	✓
Petroleum Engineer	▪	▪	▪	✓
Planner	✓	✓	✓	✓
Process Controller	▪	✓	✓	✓
Process Engineer	✓	✓	✓	✓
Production Artisan	✓	✓	✓	✓
Radio Communication Mechanician	✓	▪	▪	▪
Rigging and Crane Driver	✓	▪	▪	▪
Scientist	▪	▪	▪	✓
Safety, Health & Environment (SHE)	✓	✓	✓	✓
Surveyors	✓	✓	▪	▪
Technical Auditor	▪	✓	✓	▪
Technology Management	▪	▪	▪	✓
Telephone Mechanician	✓	▪	▪	▪
Welder	✓	✓	✓	✓

did you know?

sasol touches your life everyday and everywhere



1

baby nappies

The soft lining in babies' nappies is made from very fine fibres produced from Polypropylene, a product of Sasol Polymers.



petroleum jelly

2

Petroleum Jelly, a Sasol Wax product, is used as an ingredient in skin lotions and cosmetics.



3

nail polish remover

Sasol Solvents produces acetone which is the main solvent used in nail polish remover.



4

transportation fuel

One third of South Africa's total inland transportation fuel requirement is supplied by Sasol Oil.



shoe and floor polish

5

Various Sasol waxes are used in both shoe and floor polish.



6

cleaning products

Sasol Olefins and Surfactants produces surfactants which are used in laundry detergents, cleaning products and personal care products.

