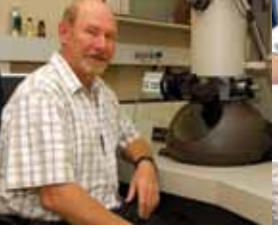

Faculty of Science

South Africa is critically short of scientists who can contribute to the sustainable development of the country. A qualification in Science also leads to an interesting and rewarding career.

Our NMMU Science graduates are sought after because of the high level of training they receive within an ideal environment by staff who are nationally and internationally recognised for their expertise.

We offer BSc degrees in many fields, and National Diplomas in analytical chemistry, polymer chemistry, agricultural management and game ranch management.

Get connected:

Diploma Programmes
Ms Jorinda Roets
Tel: 041 504 9922 • Fax: 041 504 9463
E-mail: jorinda.roets@nmmu.ac.za

Degree Programmes
Ms Jackie Szczerbinski
Tel: 041 504 2268 • Fax: 041 504 2369
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A full list of qualifications in the Science Faculty can be viewed on our website: www.nmmu.ac.za/science

Early closing date for applications: 1 August

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Nelson Mandela Metropolitan University

for tomorrow

Faculty of Science

Discovering tomorrow







Science faculty and careers

The Science Faculty offers qualifications for a variety of careers within its many departments. Seek your chosen field of interest below, to see what you should be studying.

Agricultural Management is the application of economic and management principles used in producing agricultural products.

Careers: Farmer, farm manager, agricultural advisor, managerial positions in agriculture-related businesses

Biochemistry is the study of the living cells (plant, animal and micro-organisms).

Careers: Medical research; agriculture, food and pharmaceutical industries; municipalities; law enforcement; sport science; nutritional research and teaching.

Botany is the study of plants and algae.

Careers: Agriculture; forestry; horticulture; environmental practitioner; park ranger; plant disease investigator; aquaculture; marine biologist.

Chemistry is used in many industries with chemists performing a variety of tasks.

Careers: Chemical industry (fertilisers, chemicals, fuels, paint, cosmetics, pharmaceuticals etc); research institutions; education.

Computer Science gives students a thorough knowledge of computer applications and software.

Careers: Programmer; software engineer; systems analyst; network specialist; web developer; application specialist; IT manager; mobile computing specialist.

Game Ranch Management prepares students for life in one of South Africa's fastest growing industries.

Careers: Game ranchers; extension officers; professional hunters; nature conservationists.

Geography examines the relationship between human activities and the environment.

Careers: Urban and rural planning; water quality management; soil conservation; transport coordination.

Geology is the study of the structure of the earth and in particular materials (rocks and minerals).

Careers: Mining; geoscience; water affairs; environmental affairs; consulting; civil engineering.

Microbiology is the study of organisms too small to be seen by the naked eye (eg bacteria) and their relationship with humans, plants and animals.

Careers: Medical and veterinary microbiology; biotechnology; environmental science; genetics; fermentation science; animal and plant pathology; health sciences; food industry.

Mathematics is used in all walks of life. Mathematicians use models and theories to help solve real world problems.

Careers: Education; systems design; actuarial science; environmental modeling.

Physics is the study of nature and matter as well as the laws that govern them.

Careers: Education; industry; research institutes; materials development; telecommunications; energy harnessing; biophysics.

Polymer Technology involves the study of plastics, paint and rubber technology as well as analytical chemistry.

Careers: Paint, plastics, rubber and motor industries; chemical and pharmaceutical manufacturing.

Statistics has become an essential tool for government, business and industry, in tabulating data to make predictions and decisions.

Careers: Science; engineering; business and financial institutions; industry; government.

Zoology is the study of animals that live on the land, in the sea and in rivers.

Careers: Marine biologist, fisheries scientist; water quality analyst; environmental practitioner; ecotourism; game management; aquaculture.