

Universities

Walter Sisulu University
Sefako Makgatho Health Sciences
University
University of Limpopo
University of Fort Hare
North-West University
University of Free State
Durban University of Technology
Nelson Mandela University
University of Kwa-Zulu Natal
Central University of Technology
Cape Peninsula University of
Technology
Wits University
University of Cape Town
University of Pretoria
Rhodes University
University of Western Cape
University of Stellenbosch
University of Venda
University of Johannesburg
Tswana University of Technology



Faculty of Science and Technology



Disclaimer

- This brochure should be viewed in conjunction with the university prospectus.
- Meeting minimum requirements does not guarantee acceptance.
- Minimum requirements found in this brochure are not for all universities, averages and maximum requirements are used based on available information.
- This brochure only contains qualifications, where they can be found, minimum requirements, and future careers.
- Where possible list of companies offering bursaries is included.



- The details provided in this brochure are believed to be true and accurate to the best of our understanding at the time of publication and are intended solely for informational purposes.



Qualification	Course	Minimum Requirements		Universities	Future Careers
		APS	Subjects		
Bachelor of Sciences	Actuarial Science	42	<ul style="list-style-type: none"> English HL or FAL: 7 Mathematics: 7 Physical Sciences: 7 	<ul style="list-style-type: none"> UCT WITS UP NWU SUN UJ UKZN UNISA UFS 	<ul style="list-style-type: none"> Business Analyst Actuarial Analyst Data Analyst Actuary Underwriter Quantitative Analyst Financial Planner Analyst Risk Analyst Investment Analyst Auditor Private Consultant

Bursaries

- Absa Fellowship/ Scholarship Programme
- Accenture Scholarship
- Altron Bill Venter Academy Bursary
- Amazon Bursary
- BBD Bursary
- BET Software Bursary
- Chris Hani District Municipality Bursary
- Cisco Charitable Foundation Trust Bursary
- Columbus Stainless Bursary
- CSIR Bursary
- DSI-CSIR Bursary
- Games Global Bursary
- Gauteng Department of e-Government Bursary
- Generation Google Scholarship: Women in Computer Science
- HENSOLDT South Africa Bursary
- Hewlett Packard Enterprise Bursary
- HP Inc Bursary
- Huawei Technologies Bursary
- Investec Scholarship
- ISFAP Bursary
- ITHUBA Bursary
- Jurumani Solutions and Tangent Solutions Bursary
- Korbicom Education Trust Bursary
- Mercedes-Benz Bursary
- MTN Bursary
- Omnia Bursary
- Openserve Bursary
- PSG Bursary



Qualification	Course	Minimum Requirements		Universities	Future Careers
		APS	Subjects		
Diploma	Animal Science		<ul style="list-style-type: none"> English HL or FAL: 4 Mathematics: 3 Physical Sciences or Life Sciences: 3 	<ul style="list-style-type: none"> TUT 	<ul style="list-style-type: none"> Animal care specialist Veterinary Technician Kennel Worker Animal Trainer Laboratory assistant Meat Inspector Farm Manager Marine Biologist Animal Biotechnologist Production Supervisor Professor Agricultural and Food Scientist
Bachelor of Sciences	Animal Science	26-32	<ul style="list-style-type: none"> English HL or FAL: 4-5 Mathematics: 4-5 Physical Sciences or Life Sciences: 4-5 	<ul style="list-style-type: none"> UP UCT SUN UKZN WITS UFS NWU UFH RU UL UNISA UWC UJ UNIVENDA NMU UNIZULU 	

- Saab Grintek Defence Bursary
- Sage Bursary
- SKA South Africa Bursaries
- South African Institute of Electrical Engineers (SAIEE) Bursary
- Vodacom Bursary
- WeThinkCode Bursaries
- Agbiz Centenary Bursary
- Agribusiness Centenary Bursary
- Agricultural Economics Association of South Africa (AEASA) Bursary
- Agricultural Research Council (ARC) Bursary
- AgriSETA Bursary
- Bester Bursary & Graduate Development Programme
- Black Management Forum (BMF) Bursary
- Black Mountain Study Trust Bursary
- Bushbuckridge Local Municipality Bursary
- Calvin and Family Group (CFG) Bursary
- Chris Hani District Municipality Bursary
- Citrus Academy Bursary
- Corteva Agriscience Bursary
- Department of Agriculture, Land Reform and Rural Development (DALRRD) Bursary
- Department of Correctional Services Bursary
- Department of Rural Development and Agrarian Reform (DRDAR) Bursary



Qualification	Course	Minimum Requirements		Universities	Future Careers
		APS	Subjects		
Diploma	Analytical Chemistry	26-30	<ul style="list-style-type: none"> English HL or FAL: 4 Mathematics: 4 Physical Sciences or Life Sciences: 3-4 	<ul style="list-style-type: none"> NMU DUT UJ CPUT WSU VUT MUT 	<ul style="list-style-type: none"> Analytical Chemist Quality Control Chemist Research Scientist Environmental Chemist Pharmaceutical Scientist Food Chemist/Food Safety Scientist Forensic Scientist Materials Scientist Petrochemical Analyst Instrumentation Specialist

- L'Oréal-UNESCO For Women in Science South Africa Grant
- Lonmin Bursary
- Magalies Water Bursary
- Mining Qualifications Authority (MQA) Bursary
- NESP Scholarship
- NMISA Bursary
- Northam Zondereinde Mine Bursary
- Omnia Bursary
- Rand Refinery Bursary
- SARS Bursary
- Sasol Bursary
- South African Table Grape Industry (SATI) Bursary
- Tharisa Bursary
- Tronox Bursary
- Umgeni Water Bursary
- Upstream Training Trust Bursary
- WAAW Foundation Scholarship

More bursaries:

<https://www.zabursaries.co.za/>



Qualification	Course	Minimum Requirements		Universities	Future Careers
		APS	Subjects		
Bachelor of Sciences	Applied Bioinformatics	26-32	<ul style="list-style-type: none"> English HL or FAL: 5 Mathematics: 5 Physical Sciences: 5 	<ul style="list-style-type: none"> WITS 	<ul style="list-style-type: none"> Analytical Biochemist Biomedical Scientist Healthcare Scientist Clinical Biochemist Industrial Enzymology Life Science Research Scientist Medical Diagnostic
Bachelor of Science	Applied Chemistry	26-42	<ul style="list-style-type: none"> English HL or FAL: 4-5 Mathematics: 5-6 Physical Sciences: 4-5 	<ul style="list-style-type: none"> WITS UKZN 	<ul style="list-style-type: none"> Pharmaceutical Chemist Biotechnologist Food and Beverage Chemist Environment Chemist Lecturer or Professor Chemical Analyst Medical Chemist Organic Chemist Biochemist Laboratory Technician Senior Scientist



Qualification	Course	Minimum Requirements		Universities	Future Careers
		APS	Subjects		
Bachelor of Science	Applied Statistics	25-34	<ul style="list-style-type: none"> English HL or FAL: 4-5 Mathematics: 4-6 Physical Sciences: 4-5 	<ul style="list-style-type: none"> UCT WITS UNISA UP UJ 	<ul style="list-style-type: none"> Business Analyst Environmental Scientist Data Analyst Quality Analyst Researcher Professor Biostatistician Pharmaceutical Engineer Forensic Investigator Risk Analyst Project Manager Medical Statistician



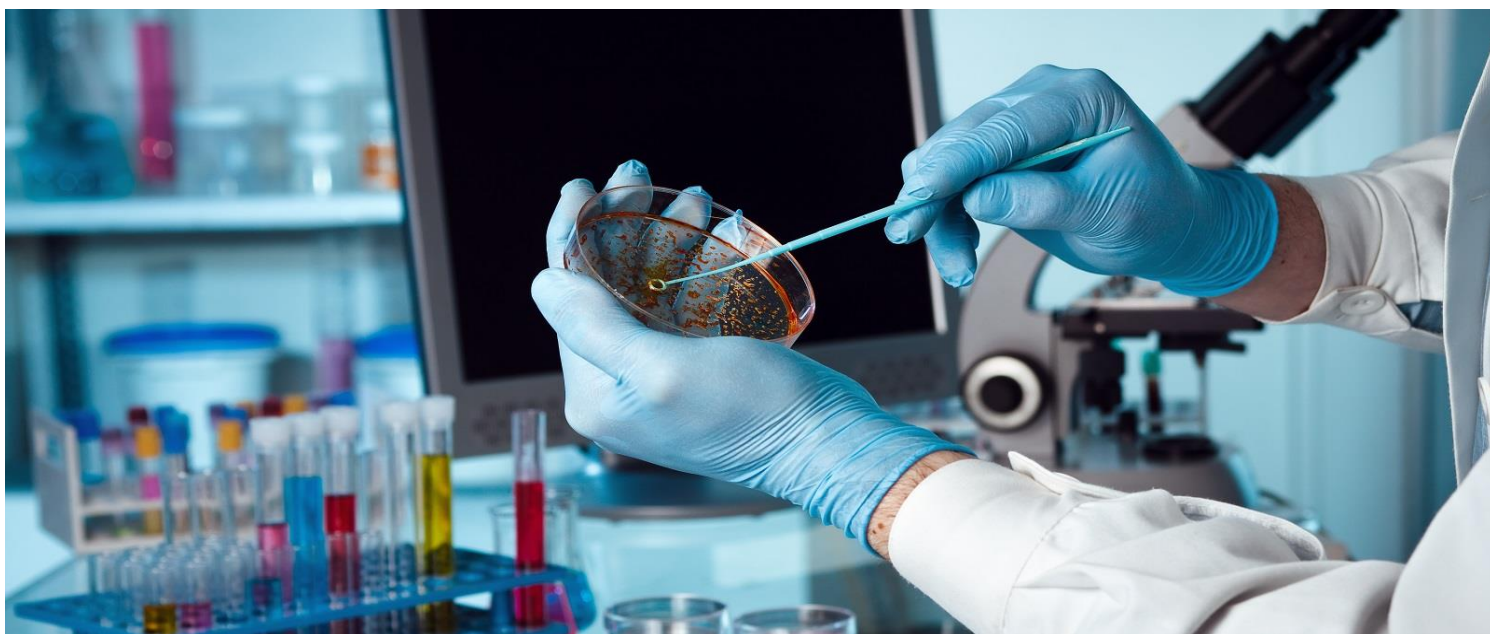
Qualification	Course	Minimum Requirements		Universities	Future Careers
		APS	Subjects		
Bachelor of Science	Archaeology/ Anthropology	28-42	<ul style="list-style-type: none"> English HL or FAL: 4-5 Mathematics: 5 	<ul style="list-style-type: none"> UCT WITS UP SUN UKZN UJ NWU UFS UNISA UWC RU 	<ul style="list-style-type: none"> Environmental Archaeologist Archaeological Researcher Director of Archaeology Historical Archaeologist Archaeology Project Manager Museum Director Forensic Analyst Museum Education Officer Archaeology Lab Director



Qualification	Course	Minimum Requirements		Universities	Future Careers
		APS	Subjects		
Bachelor of Science	Astronomy	28-43	<ul style="list-style-type: none">English HL or FAL: 4-5Mathematics: 4-6Physical Sciences: 4-6	<ul style="list-style-type: none">UCTUFSUKZNNWURUUNISASUNWITS	<ul style="list-style-type: none">AstrophysicistPhysicistSenior Technical WriterProfessorResearch ScientistPlanetarium DirectorMeteorologistClimatologistAeronautical EngineerAstronomerObservational AstronomerPlanetary ScientistCosmologistAstrobiologistSpacecraft EngineerAstronomical Data AnalystInstrumentation EngineerProject Manager



Qualification	Course	Minimum Requirements		Universities	Future Careers
		APS	Subjects		
Bachelor of Science	Biochemistry	26-43	<ul style="list-style-type: none"> English HL or FAL: 4-5 Mathematics: 4-5 Physical Sciences: 4-5 	<ul style="list-style-type: none"> SUN UCT UP UKZN NMU RU UFS UJ UNISA UL 	<ul style="list-style-type: none"> Biochemist Clinical Biochemist Biomedical Scientist Pharmaceutical Scientist Molecular Biologist Food Scientist Enzymologist Plant Biochemist Forensic Scientist Research Scientist Professor Lecturer Quality/Assurance Specialist Toxicologist Medical Lab Technologist



Qualification	Course	Minimum Requirements		Universities	Future Careers
		APS	Subjects		
Bachelor of Science	Biological Science	26-43	<ul style="list-style-type: none"> English HL or FAL: 4-5 Mathematics: 5 Physical Sciences: 4-5 	<ul style="list-style-type: none"> SUN UCT UP WITS NWU NMU RU UJ SMU 	<ul style="list-style-type: none"> Cell Biologist Plant Breeder Biotechnologist Field Application Specialist Molecular Biologist Clinical Research Associate Computational Biologist Biomedical Scientist Forensic Scientist Research Scientist Professor Lecturer Quality/Assurance Specialist Physiologist Epidemiologist Environmental Scientist Botanist Ecologist



Qualification	Course	Minimum Requirements		Universities	Future Careers
		APS	Subjects		
Bachelor of Science	Biodiversity & Conservation	28-43	<ul style="list-style-type: none">English HL or FAL: 4-5Mathematics: 5Physical Sciences: 4	<ul style="list-style-type: none">WITSUWCUKZNSUNUCTUPNMUNWUUJ	<ul style="list-style-type: none">Biodiversity PlannerEnvironmental AdvisorAssistant DirectorWetland/Aquatic SpecialistSustainability AnalystManagerBiodiversity ScientistProfessorLecturer



Qualification	Course	Minimum Requirements		Universities	Future Careers
		APS	Subjects		
Diploma	Computer Science Computer Systems		<ul style="list-style-type: none"> English HL or FAL: 3 Mathematics:4 Physical Sciences:3 	<ul style="list-style-type: none"> TUT Vaal 	<ul style="list-style-type: none"> Software Developer/Engineer Web Developer Mobile App Developer Database Administrator Systems Analyst Network Engineer Cybersecurity Analyst Data Scientist Machine Learning Engineer Artificial Intelligence Specialist Cloud Solutions Architect Game Developer UX/UI Designer DevOps Engineer IT Project Manager Computer Systems Analyst Computer and Information Research Scientist Computer Network Architect Information Security Analyst Robotics Engineer
Bachelor of Science	Computer Science	25-44	<ul style="list-style-type: none"> English HL or FAL: 4-5 Mathematics:4-6 Physical Sciences:4 	<ul style="list-style-type: none"> UJ UCT WITS UNISA SUN RU UP UKZN NMU UNIZULU UNIVEN WSU 	



Qualification	Course	Minimum Requirements		Universities	Future Careers
		APS	Subjects		
Diploma	Environmental Science	24	<ul style="list-style-type: none"> English HL or FAL: Mathematics: 4 Physical Sciences:4 	<ul style="list-style-type: none"> VUT TUT 	<ul style="list-style-type: none"> Environmental Scientist Environmental Consultant Environmental Engineer Conservation Scientist Ecologist Environmental Educator Environmental Planner Sustainability Specialist Environmental Policy Analyst Wildlife Biologist Soil Scientist Hydrologist Climate Change Analyst Air Quality Specialist Environmental Health and Safety Specialist Marine Biologist Park Ranger GIS Specialist (Geographic Information Systems) Environmental Technician
Bachelor of Science	Environmental Science	25-42	<ul style="list-style-type: none"> English HL or FAL:5 Mathematics: 5 Physical Sciences:4 	<ul style="list-style-type: none"> SUN UCT UJ NMU RU UFS UNIVEN UNIZULU UFH WSU 	



Qualification	Course	Minimum Requirements		Universities	Future Careers
		APS	Subjects		
Diploma	Food Technology	24	<ul style="list-style-type: none"> English HL or FAL: 4 Mathematics: 4 Physical Sciences: 4 Life Sciences: 4 	<ul style="list-style-type: none"> CPUT TUT 	<ul style="list-style-type: none"> Food Scientist Food Technologist Quality Assurance (QA) Specialist Flavor Chemist Food Safety Specialist Product Development Scientist Sensory Scientist Food Engineer Regulatory Affairs Specialist Food Microbiologist Food Process Engineer Nutrition Scientist Packaging Technologist Research Chef Food Analyst Culinary Scientist Food Biotechnologist Food Lab Technician Food Inspector Food Educator or Food Science Teacher
Bachelor of Science	Food Science	32	<ul style="list-style-type: none"> English HL or FAL: 5 Mathematics: 5 Physical Sciences: 5 	<ul style="list-style-type: none"> SUN UP UKZN WITS UFS UCT UFH NWU RU UNISA UWC DUT 	



Qualification	Course	Minimum Requirements		Universities	Future Careers
		APS	Subjects		
Bachelor of Science	Genetics	32	<ul style="list-style-type: none"> English HL or FAL: 5 Mathematics: 5 Physical Sciences: 5 	<ul style="list-style-type: none"> UP SUN UCT WITS NWU NMU RU 	<ul style="list-style-type: none"> Genetic Counsellor Clinical Geneticist Molecular Geneticist Research Scientist Genetic Engineer Bioinformatician Genetic Epidemiologist Forensic DNA Analyst Genomics Specialist Plant Geneticist Animal Geneticist Medical Geneticist Genetic Technologist Geneticist in Pharmaceutical Research Genetic Data Analyst Genetic Regulatory Affairs Specialist Genetic Toxicologist Geneticist in Conservation Biology Computational Biologist specializing in Genetics. Genetic Policy Analyst



Qualification	Course	Minimum Requirements		Universities	Future Careers
		APS	Subjects		
Bachelor of Science	Geography	26-42	<ul style="list-style-type: none"> English HL or FAL: 5 Mathematics: 5 Physical Sciences: 4-5 	<ul style="list-style-type: none"> UP UJ WITS UKZN SUN UCT UNISA 	<ul style="list-style-type: none"> Cartographer Geographic Information Systems (GIS) Specialist Urban Planner Environmental Consultant Remote Sensing Specialist Climatologist Land Surveyor Transportation Planner Economic Geographer Geospatial Analyst Tourism Planner Geomorphologist Hydrologist Soil Scientist Population Geographer Geopolitical Analyst Environmental Scientist Spatial Analyst Geographer Geographic Educator



Qualification	Course	Minimum Requirements		Universities	Future Careers
		APS	Subjects		
Bachelor of Science	Geology	26-34	<ul style="list-style-type: none"> English HL or FAL: 5 Mathematics: 5 Physical Sciences: 4-5 	<ul style="list-style-type: none"> SUN UJ WITS NWU RU UCT UP UNIZULU NMU UKZN UWC 	<ul style="list-style-type: none"> Geologist Hydrogeologist Petroleum Geologist Environmental Geologist Engineering Geologist Economic Geologist Geophysicist Seismologist Volcanologist Paleontologist Geochemist Mineralogist Stratigrapher Sedimentologist Geotechnical Engineer Geological Surveyor Groundwater Modeler Geothermal Geologist Remote Sensing Specialist Geographic Information Systems (GIS) Analyst Educator



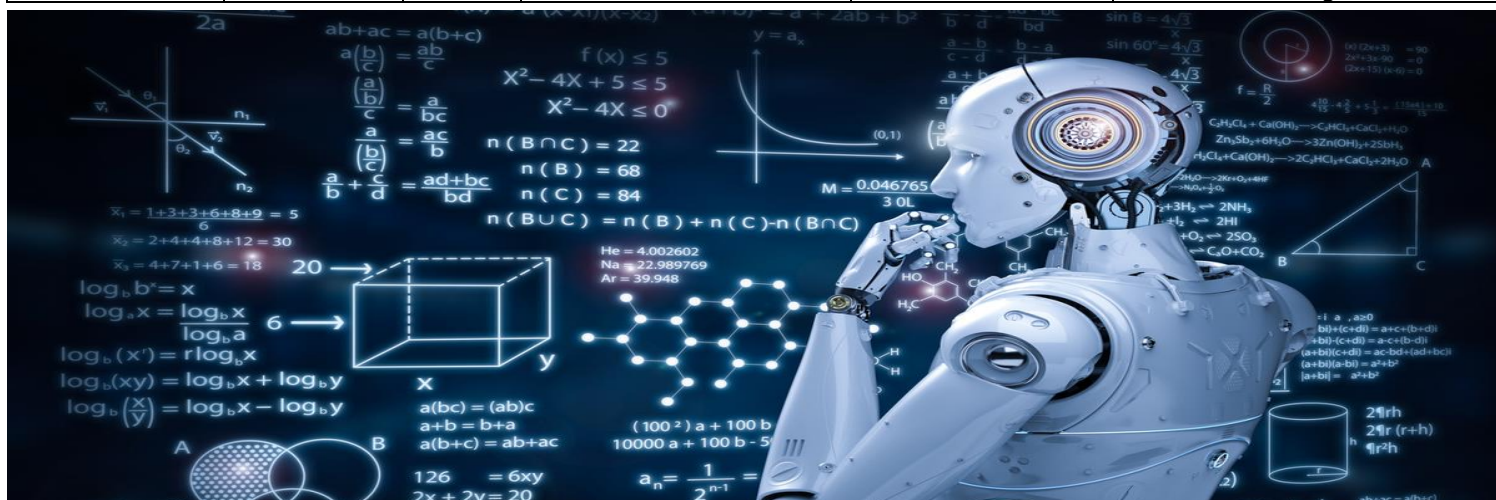
Qualification	Course	Minimum Requirements		Universities	Future Careers
		APS	Subjects		
Bachelor of Science	Geospatial Science	34-42	<ul style="list-style-type: none"> English HL or FAL: 5 Mathematics: 5 Physical Sciences: 5 	<ul style="list-style-type: none"> WITS UCT SUN UNISA UP UNIVEN RU 	<ul style="list-style-type: none"> Geographic Information Systems (GIS) Specialist Remote Sensing Specialist Cartographer Geospatial Analyst GIS Technician Surveying and Mapping Technician Spatial Data Scientist Geospatial Engineer Photogrammetrist GIS Programmer/Developer GIS Project Manager Urban Planner with GIS expertise Environmental Planner with GIS expertise Transportation Planner with GIS expertise Land Use Planner with GIS expertise. Natural Resource Manager with GIS expertise Forestry Technician with GIS expertise Emergency Management Specialist with GIS expertise Geospatial Intelligence Analyst GIS Educator/Trainer



Qualification	Course	Minimum Requirements		Universities	Future Careers
		APS	Subjects		
Diploma	Information Technology	22	<ul style="list-style-type: none"> English HL or FAL: 4 Mathematics: 3 	<ul style="list-style-type: none"> DUT UNISA 	<ul style="list-style-type: none"> Software Developer/Engineer Web Developer Mobile App Developer Database Administrator Systems Administrator Network Engineer Cybersecurity Analyst Data Scientist Machine Learning Engineer Artificial Intelligence Specialist Cloud Solutions Architect DevOps Engineer IT Project Manager Business Analyst (IT) UI/UX Designer Computer Systems Analyst IT Consultant IT Support Specialist/Technician Network Administrator Computer and Information Research Scientist
Bachelor of Information Technology	Information Technology	32	<ul style="list-style-type: none"> English HL or FAL: 4 Mathematics: 4 	<ul style="list-style-type: none"> DUT CPUT NMU UMP 	
Bachelor of Science	Information Technology	34	<ul style="list-style-type: none"> English HL or FAL: 5 Mathematics: 5 	<ul style="list-style-type: none"> NWU UJ 	



Qualification	Course	Minimum Requirements		Universities	Future Careers
		APS	Subjects		
Diploma	Mathematics	24	<ul style="list-style-type: none"> English HL or FAL: 4 Mathematics: 4 Physical Sciences: 4 Life Sciences: 4 	<ul style="list-style-type: none"> CPUT TUT 	<ul style="list-style-type: none"> Mathematician Actuary Statistician Data Scientist Operations Research Analyst
Bachelor of Science	Mathematics	32	<ul style="list-style-type: none"> English HL or FAL: 5 Mathematics: 5 Physical Sciences: 5 	<ul style="list-style-type: none"> SUN UP UKZN WITS UFS UCT UFH NWU RU UNISA UWC DUT 	<ul style="list-style-type: none"> Financial Analyst Quantitative Analyst (Quant) Cryptographer Mathematical Modeler Risk Analyst Investment Analyst Market Research Analyst Mathematician in Academia Mathematics Teacher/Professor Operations Manager Software Developer/Engineer with a focus on mathematics Biostatistician Mathematical Economist Mathematical Physicist Aerospace Engineer specializing in mathematical modelling



Qualification	Course	Minimum Requirements		Universities	Future Careers
		APS	Subjects		
Bachelor of Science	Microbiology	26-43	<ul style="list-style-type: none"> English HL or FAL: 5 Mathematics: 5 Physical Sciences: 4 	<ul style="list-style-type: none"> UP UCT SUN WITS UKZN UFH UFS NWU RU UWC UJ UL UNISA UNIVENDA SMU UNIZLU NMU WSU 	<ul style="list-style-type: none"> Microbiologist Clinical Microbiologist Industrial Microbiologist Food Microbiologist Environmental Microbiologist Pharmaceutical Microbiologist Research Scientist in Microbiology Medical Technologist specializing in Microbiology. Epidemiologist Public Health Microbiologist Quality Control Microbiologist Biotechnologist specializing in Microbiology. Microbial Ecologist Immunologist Virologist Bacteriologist Mycologist Molecular Microbiologist Microbial Geneticist Infectious Disease Specialist



Qualification	Course	Minimum Requirements		Universities	Future Careers
		APS	Subjects		
Diploma	Physics	23	<ul style="list-style-type: none"> English HL or FAL: 3 Mathematics: 3 Physical Sciences: 3 	<ul style="list-style-type: none"> UNISA 	<ul style="list-style-type: none"> Physicist Research Scientist in Physics Astrophysicist Theoretical Physicist Experimental Physicist Particle Physicist Condensed Matter Physicist Plasma Physicist Atomic, Molecular, and Optical Physicist Nuclear Physicist Quantum Physicist Biophysicist Medical Physicist Geophysicist Environmental Physicist Materials Scientist Acoustical Physicist Aerospace Engineer specializing in physics. Engineering Physicist Physics Educator/Professor
Bachelor of Science	Physics	25-42	<ul style="list-style-type: none"> English HL or FAL: 4-5 Mathematics: 4-6 Physical Sciences: 4 - 5 	<ul style="list-style-type: none"> UCT WITS SUN UP RU UKZN UWC NMU NWU UJ WSU UNISA UFH UNIZULU UL 	



Qualification	Course	Minimum Requirements		Universities	Future Careers
		APS	Subjects		
Diploma	Plant Science	23	<ul style="list-style-type: none"> English HL or FAL: 4 Mathematics: 3 Agriculture, Geography, or Life Science: 4 	<ul style="list-style-type: none"> UMP NWU 	<ul style="list-style-type: none"> Botanist Plant Biologist Plant Geneticist Plant Physiologist Plant Pathologist Plant Ecologist Agronomist Horticulturist Crop Scientist Soil Scientist specializing in plant science. Plant Breeder Plant Genetic Engineer Plant Molecular Biologist Seed Technologist Plant Biochemist Plant Microbiologist
Bachelor of Science	Plant Science	32	<ul style="list-style-type: none"> English HL or FAL: 4-5 Mathematics: 5 Physical Sciences: 5 	<ul style="list-style-type: none"> UP SUN UKZN UFS NMU UCT UJ NWU UL UNIVENDA 	



Qualification	Course	Minimum Requirements		Universities	Future Careers
		APS	Subjects		
Bachelor of Science	Statistics	26-34	<ul style="list-style-type: none"> English HL or FAL: 4-5 Mathematics: 5-6 Physical Sciences: 4 	<ul style="list-style-type: none"> UCT WITS SUN UP RU UKZN UWC NMU UJ UNISA UL 	<ul style="list-style-type: none"> Statistician Data Scientist Actuary Biostatistician Business Analyst Market Research Analyst Operations Research Analyst Statistical Consultant Econometrician Quantitative Analyst (Quant) Risk Analyst Survey Researcher Health Statistician Social Science Researcher Quality Control Analyst Statistical Programmer Financial Analyst Epidemiologist Environmental Statistician Statistical Educator/Professor



Qualification	Course	Minimum Requirements		Universities	Future Careers
		APS	Subjects		
Bachelor of Science	Zoology	26	<ul style="list-style-type: none"> English HL or FAL: 4-5 Mathematics: 5 Physical Sciences: 4-5 	<ul style="list-style-type: none"> UCT WITS SUN UP RU UKZN UWC NMU NWU UJ UFS UL UNISA UFH UNIZULU 	<ul style="list-style-type: none"> Zoologist Wildlife Biologist Conservation Biologist Marine Biologist Ornithologist (Bird Biologist) Herpetologist (Reptile and Amphibian Biologist) Entomologist (Insect Biologist) Mammalogist (Mammal Biologist) Ethologist (Animal Behaviorist) Fisheries Biologist Aquatic Ecologist Zookeeper Animal Caretaker Wildlife Rehabilitation Specialist Environmental Educator with a focus on zoology Zoological Park Curator Wildlife Manager Field Biologist Animal Behavior Consultant Zoo Educator/Interpreter

