

## Programme List 2018

<b>Programme</b>	<b>Minimum Entry Requirement</b>
Preliminary Science	Year 11 pass with minimum of 50% in Science or Technology subjects OR Completed Year 12 level (Science) but DID NOT PASS FSLC exam or equivalent.
Foundation Science	Year 12 pass, with minimum of 50% in Science or Technology subjects OR Completed but not successful in Year 13 level Science or equivalent OR Pass 8 Units in Preliminary Science programme.
Certificate in First line Supervision	Successful completion of a Trade Certificate programme, with a minimum of six months relevant industrial practical experience.
CISCO Certified Network Associate	Completion of Year 12 level of studies
<b>Certificate III</b>	
Certificate III in Automotive Engineering	Successful completion of Year 11 level of studies OR Cert. II from Technical College
Certificate III in Automotive Body Works	Successful completion of Year 11 level of studies OR Cert. II from Technical College
Certificate III in Carpentry	Successful completion of Year 11 level of studies OR Cert. II from Technical College
Certificate III in Joinery and Cabinet Making	Successful completion of Year 11 level of studies OR Cert. II from Technical College
Certificate III Plumbing & Sheet metal	Successful completion of Year 11 level of studies OR Cert. II from Technical College
Certificate III in Electrical Engineering	Successful completion of Year 11 level of studies OR Cert. II from Technical College
Certificate III in Electronics Engineering	Successful completion of Year 11 level of studies OR Cert. II from Technical College
Certificate III in Printing Technology	Successful completion of Year 11 level of studies OR Cert. II from Technical College
Certificate III in Fitting & Machining	Successful completion of Year 11 level of studies OR Cert. II from Technical College
Certificate III in Fabrication & Welding	Successful completion of Year 11 level of studies OR Cert. II from Technical College
Certificate III in Plant Maintenance Engineering	Successful completion of Year 11 level of studies OR Cert. II from Technical College
<b>Certificate IV</b>	
Certificate IV in Occupational Health & Safety	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English
Certificate IV in Carpentry	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English
Certificate IV in Joinery & Cabinet Making	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English
Certificate IV in Plumbing & Sheet metal	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English
Certificate IV in Geology, Mining & Quarry	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English
Certificate IV in Biomedical Engineering	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English
Certificate IV in Electrical Engineering	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English
Certificate IV in Electronics Engineering	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English
Certificate IV in Printing Technology	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English
Certificate IV in Fitting & Machining	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English
Certificate IV in Fabrication & Welding	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English
Certificate IV in Plant Maintenance Engineering	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English
Certificate IV in Refrigeration & Air – Conditioning	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English
Certificate IV in Agricultural Engineering	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English
Certificate IV in Manufacturing Engineering	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English
Certificate IV in Information Technology	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English
Certificate IV in Aircraft Engineering (Mechanical)	Minimum of 280 out of 400 marks in Year 12 with minimum of 50% in English, Mathematics, Physics and any 1 other Science or Technology subjects. Quota based programme. Maximum intake 30 students. Undergoes selection process.
Certificate IV in Automotive Engineering (Light Motor Vehicle)	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English
Certificate IV in Automotive Engineering (Heavy Commercial Vehicle)	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English

Certificate IV in Automotive Engineering (Heavy Mobile Plant)	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English
Certificate IV in Automotive Engineering (Motor Vehicle Electrical & Electronics)	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English
Certificate IV in Automotive Engineering (Panel & Paints)	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English
Certificate IV in Automotive Engineering (Automotive Light Machinery)	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English
<b>Trade Diploma</b>	
Trade Diploma in Occupational Health & Safety	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English
Trade Diploma in Information Technology	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English and Mathematics
<b>Diploma</b>	
Diploma in Architectural Draughting	Pass in Year 12 with 200 out of 400 marks with 50% minimum marks in English, Mathematics, Physics/ Introduction to Technology/Chemistry, and 1 other science or Technology subject.
Diploma in Civil Engineering	Pass in Year 12 with 200 out of 400 marks with 50% minimum marks in English, Mathematics, Physics/ Introduction to Technology/Chemistry, and 1 other science or Technology subject.
Diploma in Construction	Pass in Year 12 with 200 out of 400 marks with 50% minimum marks in English, Mathematics, Physics/ Introduction to Technology/Chemistry, and 1 other science or Technology subject.
Diploma in Land Surveying	Pass in Year 12 with 200 out of 400 marks with 50% minimum marks in English, Mathematics, Physics/ Introduction to Technology/Chemistry, and 1 other science or Technology subject.
Diploma in Quantity Surveying	Pass in Year 12 with 200 out of 400 marks with 50% minimum marks in English, Mathematics, Physics/ Introduction to Technology/Chemistry, and 1 other science or Technology subject.
Diploma in Engineering (Telecommunication & Networking)	Pass in Year 12 with 200 out of 400 marks with 50% minimum marks in English, Mathematics, Physics/ Introduction to Technology/Chemistry, and 1 other science or Technology subject.
Diploma in Engineering (Instrumentation & Control System)	Pass in Year 12 with 200 out of 400 marks with 50% minimum marks in English, Mathematics, Physics/ Introduction to Technology/Chemistry, and 1 other science or Technology subject.
Diploma in Electrical Engineering	Pass in Year 12 with 200 out of 400 marks with 50% minimum marks in English, Mathematics, Physics/ Introduction to Technology/Chemistry, and 1 other science or Technology subject.
Diploma in Agricultural Engineering	Pass in Year 12 with 200 out of 400 marks with 50% minimum marks in English, Mathematics, Physics/ Introduction to Technology/Chemistry/Agriculture, and 1 other science or technology subject.
Diploma in Mechanical Engineering	Pass in Year 12 with 200 out of 400 marks with 50% minimum marks in English, Mathematics, Physics/ Introduction to Technology/Chemistry, and 1 other science or Technology subject.
Diploma in Plant Engineering	Pass in Year 12 with 200 out of 400 marks with 50% minimum marks in English, Mathematics, Physics/ Introduction to Technology/Chemistry, and 1 other science or Technology subject.
Diploma in Renewable Energy Engineering	Pass in Year 12 with 200 out of 400 marks with 50% minimum marks in English, Mathematics, Physics/ Introduction to Technology/Chemistry, and 1 other science or Technology subject.
Diploma in Automotive Engineering	Pass in Year 12 with 200 out of 400 marks with 50% minimum marks in English, Mathematics, Physics/ Introduction to Technology/Chemistry, and 1 other science or Technology subject.
Diploma in Road Transport Technology & Management	Pass in Year 12 with 200 out of 400 marks with 50% minimum marks in English, Mathematics and 50 % or more in any other 2 subjects.
<b>Higher Education Diploma</b>	
Higher Education Diploma in Environmental Science	Pass in Year 13 with 200 out of 400 marks with 50% minimum marks in English and any 3 subjects including the majoring subjects.
Higher Education Diploma in Environmental Management	Pass in Year 13 with 200 out of 400 marks with 50% minimum marks in English and any 3 subjects including the majoring subjects.

Higher Education Diploma in Food Technology	Pass in Year 13 with 200 out of 400 marks with 50% minimum marks in English and any 3 subjects including the majoring subjects.
Higher Education Diploma in Industrial Lab Tech	Pass in Year 13 with 200 out of 400 marks with 50% minimum marks in English and any 3 subjects including the majoring subjects.
<b>Bachelors</b>	
Bachelor of Science (Food Technology)	Pass in Year 13 with 200 out of 400 marks with 50% minimum marks in Mathematics, English and any 2 of the Food Technology, Home Economics, Biology, Chemistry, Introduction to Technology, or Physics subjects OR Foundation Science with GPA of 2.00 or more.
Bachelor of Science (Environmental Science)	Pass in Year 13 with 200 out of 400 marks with 50% minimum marks in Mathematics, English and any 2 of the Biology, Chemistry , Physics, Introduction to Technology, Agriculture or Geography subjects OR Foundation Science with GPA of 2.00 or more.
Bachelor of Science (Environmental Management)	Pass in Year 13 with 200 out of 400 marks with 50% minimum marks in Mathematics, English and any 2 of the Biology, Chemistry , Physics, Introduction to Technology, Agriculture or Geography subjects OR Foundation Science with GPA of 2.00 or more.
Bachelor of Science (Food Technology/ Biology)	Pass in Year 13 with 200 out of 400 marks with 50% minimum marks in Mathematics, English, Biology and any 1 of the Food Technology, Chemistry, Home Economics or Physics subjects OR Foundation Science with GPA of 2.00 or more.
Bachelor of Science (Food Technology/ Chemistry)	Pass in Year 13 with 200 out of 400 marks with 50% minimum marks in Mathematics, English, Chemistry and any 1 of the Biology, Introduction to Technology or Physics subjects OR Foundation Science with GPA of 2.00 or more.
Bachelor of Science (Biology/ Mathematics)	Pass in Year 13 with 200 out of 400 marks with 50% minimum marks in Mathematics, English, Biology and any 1 of the Chemistry, Introduction to Technology or Physics subjects OR Foundation Science with GPA of 2.00 or more.
Bachelor of Science (Chemistry/ Mathematics)	Pass in Year 13 with 200 out of 400 marks with 50% minimum marks in Mathematics, English, Chemistry and any 1 of the Biology, Introduction to Technology or Physics subjects OR Foundation Science with GPA of 2.00 or more.
Bachelor of Science (Biology/ Chemistry)	Pass in Year 13 with 200 out of 400 marks with 50% minimum marks in Mathematics, English, Biology and Chemistry subjects OR Foundation Science with GPA of 2.00 or more.
Bachelor of Science (Biology/ Physics)	Pass in Year 13 with 200 out of 400 marks with 50% minimum marks in Mathematics, English, Biology and Physics subjects OR Foundation Science with GPA of 2.00 or more.
Bachelor of Science (Chemistry/ Physics)	Pass in Year 13 with 200 out of 400 marks with 50% minimum marks in Mathematics, English, Chemistry and Physics subjects OR Foundation Science with GPA of 2.00 or more.
Bachelor of Science (Mathematics/ Physics)	Pass in Year 13 with 200 out of 400 marks with 50% minimum marks in Mathematics, English, Physics and any 1 of the Biology, Chemistry or Introduction to Technology subjects OR Foundation Science with GPA of 2.00 or more.
Bachelor of Information Systems	Pass in Year 13 with 200 out of 400 marks with 50% minimum marks in English, Mathematics and any two subjects OR Foundation Science with GPA of 2.00 or more.
Bachelor of Science (Mathematics / Computing Science)	Pass in Year 13 with 200 out of 400 marks with 50% minimum marks in English, Mathematics and any two subjects OR Foundation Science with GPA of 2.00 or more.
Bachelor of Science (Computing Science / Information System)	Pass in Year 13 with 200 out of 400 marks with 50% minimum marks in English, Mathematics and any two subjects OR Foundation Science with GPA of 2.00 or more.
Bachelor of Urban & Regional Planning (Honours)	Pass in Year 13 with 250 out of 400 marks with pass (50% or more) in English, Mathematics, and any 2 subjects OR holders of Trade Diploma in Architecture, Civil Engineering, Land Surveying OR Foundation Science with GPA of 3.00 or more.
Bachelor of Engineering (Honours) (Civil Engineering)	Pass in Year 13 with 280 out of 400 marks with pass 50% or more in English, 70% or more in Mathematics & Physics/Introduction to

	Technology/Chemistry and 1 other Science or Technology subject OR Foundation Science with GPA of 3.00 or more.
Bachelor of Engineering (Honours) (Electrical)	Pass in Year 13 with 280 out of 400 marks with pass 50% or more in English, 70% or more in Mathematics & Physics/Introduction to Technology/Chemistry and 1 other Science or Technology subject OR Foundation Science with GPA of 3.00 or more.
Bachelor of Engineering (Honours) (Instrumentation & Control Systems)	Pass in Year 13 with 280 out of 400 marks with pass 50% or more in English, 70% or more in Mathematics & Physics/Introduction to Technology/Chemistry and 1 other Science or Technology subject OR Foundation Science with GPA of 3.00 or more.
Bachelor of Engineering (Honours) (Telecommunication & Networking)	Pass in Year 13 with 280 out of 400 marks with pass 50% or more in English, 70% or more in Mathematics & Physics/Introduction to Technology/Chemistry and 1 other Science or Technology subject OR Foundation Science with GPA of 3.00 or more.
Bachelor of Engineering (Honours) (Mechanical)	Pass in Year 13 with 280 out of 400 marks with pass 50% or more in English, 70% or more in Mathematics & Physics/Introduction to Technology/Chemistry and 1 other Science or Technology subject OR Foundation Science with GPA of 3.00 or more.
<b>Post Graduate Diploma</b>	
Post Graduate Diploma in Environmental Conservation & Climate Change	Post Graduate Diploma is grade point average of 3 out of 5 that is letter grade B and above in BSc or equivalent. Those candidates who do not meet minimum grade point average requirement must have served in relevant areas (teaching, research, industry) for at least TWO years and would have gained sufficient knowledge and developed aptitude to undertake higher studies.
Post Graduate Diploma in Biology	Post Graduate Diploma is grade point average of 3 out of 5 that is letter grade B and above in BSc or equivalent. Those candidates who do not meet minimum grade point average requirement must have served in relevant areas (teaching, research, industry) for at least TWO years and would have gained sufficient knowledge and developed aptitude to undertake higher studies.
Post Graduate Diploma in Chemistry	Post Graduate Diploma is grade point average of 3 out of 5 that is letter grade B and above in BSc or equivalent. Those candidates who do not meet minimum grade point average requirement must have served in relevant areas (teaching, research, industry) for at least TWO years and would have gained sufficient knowledge and developed aptitude to undertake higher studies.
Post Graduate Diploma in Physics	Post Graduate Diploma is grade point average of 3 out of 5 that is letter grade B and above in BSc or equivalent. Those candidates who do not meet minimum grade point average requirement must have served in relevant areas (teaching, research, industry) for at least TWO years and would have gained sufficient knowledge and developed aptitude to undertake higher studies.
Post Graduate Diploma in Mathematics	Post Graduate Diploma is grade point average of 3 out of 5 that is letter grade B and above in BSc or equivalent. Those candidates who do not meet minimum grade point average requirement must have served in relevant areas (teaching, research, industry) for at least TWO years and would have gained sufficient knowledge and developed aptitude to undertake higher studies.
<b>Masters</b>	
Master of Science (Biology)	Master of Science (Biology) is grade point average of 3 out of 5 that is letter grade B and above in BSc or equivalent. Those candidates who do not meet minimum grade point average requirement must have served in relevant areas (teaching, research, industry) for at least TWO years and would have gained sufficient knowledge and developed aptitude to undertake higher studies OR successful completion of Postgraduate Diploma in Biology programme.

Master of Science (Chemistry)	Master of Science (Chemistry) is grade point average of 3 out of 5 that is letter grade B and above in BSc or equivalent. Those candidates who do not meet minimum grade point average requirement must have served in relevant areas (teaching, research, industry) for at least TWO years and would have gained sufficient knowledge and developed aptitude to undertake higher studies OR successful completion of Postgraduate Diploma in Chemistry programme.
Master of Science (Physics)	Master of Science (Physics) is grade point average of 3 out of 5 that is letter grade B and above in BSc or equivalent. Those candidates who do not meet minimum grade point average requirement must have served in relevant areas (teaching, research, industry) for at least TWO years and would have gained sufficient knowledge and developed aptitude to undertake higher studies OR successful completion of Postgraduate Diploma in Physics programme.
Master of Science (Mathematics)	Master of Science (Mathematics) is grade point average of 3 out of 5 that is letter grade B and above in BSc or equivalent. Those candidates who do not meet minimum grade point average requirement must have served in relevant areas (teaching, research, industry) for at least TWO years and would have gained sufficient knowledge and developed aptitude to undertake higher studies OR successful completion of Postgraduate Diploma in Mathematics programme.
Master of Engineering (Maintenance Engineering)	<ol style="list-style-type: none"> <li>1. Entry Requirements: Students with BE(Honours) in mechanical/electrical engineering or equivalent with a GPA of 3.0 (out of 5) are eligible for the programme. Students with less than 3 GPA should have served in an industry for at least 2 years or have a teaching experience at tertiary level.</li> <li>2. Students with a normal BE (without honours, 700 level courses) should have at least 5 years' industrial experience in the field of operation and maintenance engineering.</li> <li>3. Depending upon the background of the students, as analysed by Dean or PG committee, students may have to qualify 3 courses, at 800 levels, before commencing the research work.</li> </ol>
<b>Ph.D.</b>	
Ph.D. in Biology	Student must possess M.Sc. in Biology or its equivalent qualifications for admission to Ph.D. program. Students with high grades (1 <sup>st</sup> Class or upper second class Pass) in 4 year BSc. Honours degree are directly admitted to Ph.D. program.
Ph.D. in Chemistry	Student must possess M.Sc. in Chemistry or its equivalent qualifications for admission to Ph.D. program. Students with high grades (1 <sup>st</sup> Class or Upper Second Class Pass) in 4 year BSc. Honours degree are directly admitted to Ph.D. program.
Ph.D. in Physics	Student must possess M.Sc. in Physics or its equivalent qualifications for admission to Ph.D. program. Students with high grades (1 <sup>st</sup> Class or upper second class Pass) in 4 year BSc. Honours degree are directly admitted to Ph.D. program.
Ph.D. in Mathematics	Student must possess M.Sc. in Mathematics or its equivalent qualifications for admission to Ph.D. program. Students with high grades (1 <sup>st</sup> Class or upper second class Pass) in 4 year BSc. Honours degree are directly admitted to Ph.D. program.