**WALTER SISULU UNIVERSITY**

**FACULTY OF SCIENCE, ENGINEERING AND TECHNOLOGY**

**PROGRAMMES OFFERED AND MINIMUM ADMISSION/ENTRY REQUIREMENTS FOR 2021 – BUFFALO CITY CAMPUS**

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| QUALIFICATION CODE | QUALIFICATION DESCRIPTION | **OFFERING TYPE** | **DURATION** | **APS** | **National Senior Certificate 2008-** | **National Senior Certificate (Old)** | National Certificate Vocational (NCV)**Additional or alternative requirements** |
| **WS7110****WS7111** | **Diploma in Engineering: Civil (Extended Curriculum Programme)****Diploma in Engineering: Civil (Main)** | **Full time:** | **4****3** |  | **Endorsement: NSC (Bachelor’s Degree/ Diploma)**English (Home or Additional Language) 3 (40-49), Mathematics 4 (50-59),Physical Science 4 (50-59),**NBT results required** | **Senior Certificate:**English HG-E or SG-D, Mathematics HG-E or SG-D, Physical Science HG-E or SG-D | Meet statutory requirementsPass all **3 Fundamental subjects** with 50% and above **(English, Life Orientation and Mathematics)**.Pass with 60% and above in **3** of the **Vocational subjects**: Construction Planning, Construction Supervision, Materials, Concrete Structure, RoadsAn N3 certificate with C-symbols for at least four (4) subject including Mathematics and Engineering Science or D-symbol at N4 level of 3 Civil Engineering subjects + Mathematics, as well as the language requirements for Senior certificate. |
| **WS7130****WS7131** | **Diploma in Engineering: Electrical (ECP)****Diploma in Engineering: Electrical (Main)** | **Full time:** | **4****3** |  | **Endorsement: NSC (Bachelor’s Degree/ Diploma)**English (Home or Additional Language) 3 (40-49), Mathematics 4 (50-59), Physical Science 4 (50-59)**NBT results required** | **Senior Certificate:**English HG-E or SG-D, Mathematics HG-E or SG-D, Physical Science HG-E or SG-D | Meet statutory requirementsPass all **3** **Fundamental subjects** with 50% and above **(English, Life Orientation and Mathematics)**. Pass with 60% and above in **3** of the **Vocational subjects**: Physical Science, Electrical Principles and Practice, Electrical workmanship, Electronic Control and Digital Electronics, Electrical Systems and Construction or Electro-Technology  |
| **WS7153****WS7151** | **Diploma in Engineering: Mechanical (ECP)****Diploma in Engineering: Mechanical (Main)** | **Full time:** | **4****3** |  | **Endorsement: NSC (Bachelor’s Degree/ Diploma)**English (Home or Additional Language) 4 (50-59), Mathematics 4 (50-59), Physical Science 4 (50-59)**NBT results required** | **Senior Certificate:**English HG-E or SG-D, Mathematics HG-E or SG-D, Physical Science HG-E or SG-D | Meet statutory requirementsPass all **3** **Fundamental subjects** with 50% and above **(English, Life Orientation and Mathematics)**. Pass with 60% and above in **3** of the **Vocational subjects**: Engineering Processes, Engineering Technology, Fitting and Turning, Automotive Repair, Engine Fabrication-Boiler Making or Sheet Metal worker, Welding, Refrigeration and Air Conditioning Process, Electro-Technology, Computer Integrated Manufacturing, or Mechatronics Systems |
| **WS7114****WS7113** | **Diploma in Building Technology (ECP)****Diploma in Building Technology (Main)** | **Full time:** | **4****3** |  | **Endorsement: NSC (Bachelor’s Degree/ Diploma)**English (Home or Additional Language) 4 (50-59) Mathematics 3 (40-49), Physical Science 3 (40-49), Woodwork 3 (40-49, Engineering and Graphics 3 (40-49, Accounting3 (40-49)**NBT results required** | **Senior Certificate:**English HG-E or SG-D, Mathematics HG-E or SG-D, Physical Science HG-E or SG-D | Meet statutory requirementsPass all **3 Fundamental subjects** with 50% and above **(English, Life Orientation and Mathematics)**. Pass with 60% and above in **3** of the **Vocational subjects**: Construction Planning, Construction Supervision, Materials, Concrete Structure, Carpentry and roof work, Masonry, PlumbingAn N3 certificate with C-symbols (60-69)for at least four (4) subjects including Mathematics and Engineering or Building Science, 4 Building/Civil Engineering subjects at D-symbol (50-59) at N4 & N5 level, E-symbol (40-49) at N6 level as well as the language requirements for Senior certificate |
| **WS7166****WS7172****WS7165****WS7169****WS7168****WS7174****WS7167****WS7173** | **Diploma in ICT in Business Analysis****Diploma in ICT in Business Analysis (ECP)****Diploma in ICT in Applications Development****Diploma in ICT in Applications Development (ECP)****Diploma in ICT in Support Services****Diploma in ICT in Support Services (ECP)****Diploma in ICT in Communication Networks****Diploma in ICT in Communication Networks (ECP)** | **Full time:****Full-time:****Full-time:****Full-time:****Full-time:****Full-time:****Full-time:****Full-time:** | **3****4****3****4****3****4****3****4** |  | **Endorsement: NSC (Bachelor’s Degree/ Diploma)**English (Home or Additional Language) 4 (50-59), Mathematics 3 (40-49) or Mathematical Literacy  5 (60-69) | **Senior Certificate:**English First language HG-E or SG-D OR English second language HG-D or SG-C , Mathematics HG-E or SG -D | Meet statutory requirementsPass all **3 Fundamental subjects** with 50% and above **(English, Life Orientation and Mathematics** **OR 60% for Mathematical Literacy)**. Pass with 60% and above in **3** of the following Vocational **subjects**: Systems Analysis and Design, Data Communication and networking, Computer programming, Physical Science |
| **WS7122** | **Diploma: Fashion Design** | **Full time:** | **3** |  | **Endorsement: NSC (Bachelor’s Degree/ Diploma)**Achievement rating of at least: 4 (50-59) in English as Home Language or Additional Language 3 (40-49) in Mathematics Literacy or 2 (30-39) in Mathematics or Accountancy for costing fabric and garment and promotion purposes. Recommended subjects but not compulsory: Technology and Design and Art**Applicants may be required to produce NBT results or may be required to participate and perform satisfactorily in the Placement tests** | **Senior Certificate:**English HG-E or SG-D, Mathematics HG-E or SG-D, Physical Science HG-E or SG-D (Remove Physical Science) | Meet statutory requirementsPass all **3 Fundamental subjects** with 50% and above **(English, Life Orientation and Mathematics)**. Pass with 60% and above in **3** of the **Vocational subjects**Graduates for FET colleges with N6 qualification in related field of which all N5 and N6 obtained a minimum of 50%, are allowed to submit their academic records and apply for credits for first year study D Fashion Design |
| **WS7120** | **Diploma in Fine Art** | **Full time:** | **3** |  | **Endorsement: NSC (Bachelor’s Degree/ Diploma)**Achievement rating of at least: 3 (40-49) in English Home or Additional languageApplicants may be required to produce NBT results or may be required to participate and perform satisfactorily in the Placement tests | **Senior Certificate:**Senior Certificate: English HG-E  | Meet statutory requirementsMeet statutory requirements for NC(V) levelGraduates for FET colleges with N6 qualification in related field of which all N5 and N6 obtained a minimum of 50% are allowed to submit their academic record and apply for credits for first year study ND: Fine Art |
| **WS7162****WS7161** | **Diploma in Analytical Chemistry (ECP)****Diploma in Analytical Chemistry (Main)** | **Full time:****Full-time:** | **4****3** |  | **Endorsement: NSC (Bachelor’s Degree/ Diploma)**A prospective student must have an NSC achievement rating of at least 3 (40 % to 49%) in each of the following subjects, English (as a home language or first additional language level), Mathematics and Physical Science. Applicants with an APS of between 23-29 will be invited for standardised assessment tests. Those with an APS of 30 and above will admitted directly into the programme | **Senior Certificate:**A Senior Certificate or equivalent qualification with a minimum of E – symbol in English (HG)(Second Language), D – symbol (SG) or E – symbol (HG) in Life Sciences/Biology and D – symbol (SG) or E – symbol (HG) in Physical Sciences.Applicants will be invited for standardised assessment tests. | Meet statutory requirements |
| **WS7163****WS7164** | **Diploma in Consumer Science****(Food and Nutrition) (ECP)****Diploma in Consumer Science** **(Food and Nutrition) (Main)** | **Full time:****Full-time:** | **4****3** |  | **Endorsement: NSC (Bachelor’s Degree/ Diploma)**Compulsory) -NSC achievement rating of at least 4 (50-59%) in English, 3 (40-49%) Life Sciences, 3 (40-49%) Physical Sciences. Recommended NSC Subjects (Not compulsory) – Consumer/Hospitality studies (3), Mathematics/ Maths literacy (3)/ Accounting.In addition to the Grade 12 results, interviews will be used for selection and placement purposes. | **Senior Certificate:**A Senior Certificate or equivalent qualification with a minimum of E – symbol (HG) in English (Second Language), D – symbol (SG) or E – symbol (HG) in Life Sciences/Biology and D – symbol (SG) or E – symbol (HG) in Physical SciencesIn addition to the Grade 12 results, interviews will be used for selection and placement purposes. | Meet statutory requirementsGraduates from FET College with a N6 qualification in the related field of which all N5 and N6 obtained a minimum of 50%, are allowed to submit their academic records and apply for the credits of first year of study in the ND Consumer Sciences: Food and Nutrition |