**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 requirements  Pass 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, Roads  An 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 requirements  Pass 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 requirements  Pass 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 requirements  Pass 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, Plumbing  An 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 requirements  Pass 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 requirements  Pass 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 language  Applicants 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 requirements  Meet statutory requirements for NC(V) level  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 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 Sciences  In addition to the Grade 12 results, interviews will be used for selection and placement purposes. | Meet statutory requirements  Graduates 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 |