**WALTER SISULU UNIVERSITY**

**FACULTY OF ENGINEERING AND TECHNOLOGY**

**PROGRAMMES OFFERED AND MINIMUM ADMISSION/ENTRY REQUIREMENTS FOR 2021 – BUTTERWORTH 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** |
| **WS6260** | **Diploma in Engineering: Civil**  **(Extended Curriculum Programme)** | **Full-time:** | **4** |  | **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. |
| **WS6261** | **Diploma in Engineering: Civil** | **Full-time:** | **3** |  |
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| **WS6211** | **Diploma in Engineering: Electrical (Extended Curriculum Programme)** | **Full-time:** | **4** |  | **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**: Physical Science, Electrical Principles and Practice, Electrical workmanship, Electronic Control and Digital Electronics, Electrical Systems and Construction or Electro-Technology |
| **WS6212** | **Diploma in Engineering: Electrical** | **Full-time** | **3** |  |
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| **WS6221** | **Diploma in Engineering: Mechanical (Extended Curriculum Programme)** | **Full-time:** | **4** |  | **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 |
| **WS6222** | **Diploma in Engineering: Mechanical** | **Full-time:** | **3** |  |
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| **WS6250** | **Diploma in Building Technology (Extended Curriculum Programme)** | **Full-time:** | **4** |  | **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 |
| **WS6251** | **Diploma in Building Technology (Mainstream)** | **Full-time:** | **3** |  |
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| **WS6262** | **Diploma in ICT in Applications Development** | **Full time:** | **3** |  | **Endorsement: NSC (Bachelor’s Degree/ Diploma)**  English (Home or Additional Language) 4 (50-59),  Mathematics 3 (40-49) or  Mathematical Literacy 5 (60-69)  **Assessment test results required** | **Senior Certificate:**  English First language HG-E or SG-D OR  English second language HG-D or SG-C ,  Mathematics HG-E or SG | 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 **Vocational subjects**:  Systems Analysis and Design, Data Communication and networking, |
| **WS6268** | **Diploma in ICT in Applications Development (Extended Curriculum Programme)** | **Full time:** | **4** |  |
| **WS6263** | **Diploma in ICT in Business Analysis** | **Full time:** | **3** |  |
| **WS6269** | **Diploma in ICT in Business Analysis (Extended Curriculum Programme)** | **Full time:** | **4** |  |
| **WS6264** | **Diploma in ICT in Communication Networks** | **Full time:** | **3** |  |
| **WS6270** | **Diploma in ICT in Communication Networks (Extended Curriculum Programme)** | **Full time:** | **4** |  |
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| **WS6231** | **Diploma: Fashion Design** | **Full time:** | **3** |  | **Endorsement: NSC (Bachelor’s Degree/ Diploma)**  Achievement rating of at least: 3 (40-49) in English as Home Language or Additional Language  4 (50-59) 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** | **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**  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 |