

WALTER SISULU UNIVERSITY

FACULTY OF SCIENCE, ENGINEERING AND TECHNOLOGY

PROGRAMMES OFFERED AND MINIMUM ADMISSION/ENTRY REQUIREMENTS FOR 2022 – BUFFALO CITY CAMPUS

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	Diploma in Engineering: Civil (Extended Curriculum Programme)	Full time:	4	30	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
WS7111	Diploma in Engineering: Civil (Main)	Full Time:	3	30	English (Home or Additional Language) 4 (50-59), Mathematics 4 (50-59), Physical Science 4 (50-59), NBT results required		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.

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WS7112	Advanced Diploma in Civil Engineering	Part Time:	2		<p>Candidate should meet one of the following requirements:</p> <p>Candidates should have accumulated at least one year of appropriate post diploma experience and (i) A revised National Diploma: Engineering: Civil (S-stream), or its equivalent OR (ii) A National Higher Diploma: Civil Engineering (T4) with the appropriate courses at this level for the field of specialisation the candidate wishes to pursue OR (iii) A National Diploma: Civil Engineering (T3) with four (4) S4-level courses approved by the Head of Department and sufficient appropriate experience in lieu of the other two outstanding S4 courses.</p> <p>Newly qualified diplomats who wish to proceed directly to the Advanced Diploma programme without the appropriate post diploma experience requirements may be admitted if they obtained an average of at least 60% in their Level 3 (P2 & S4) courses.</p> <p>However, admission is not automatic, as candidates will be selected on the basis of their proven academic record and post-qualification professional experience.</p>		
WS7114 WS7113	Diploma in Building Technology (ECP) Diploma in Building Technology (Main)	Full time: Full time:	4 3		<p>Endorsement: NSC (Bachelor's Degree/ Diploma)</p> <p>English (Home or Additional Language) 4 (50-59)</p> <p>Mathematics 3 (40-49), Physical Science 3 (40-49), Woodwork 3 (40-49), Engineering and Graphics 3 (40-49,</p> <p>NBT results required</p>	<p>Senior Certificate:</p> <p>English HG-E or SG-D, Mathematics HG-E or SG-D, Physical Science HG-E or SG-D</p>	<p>Meet statutory requirements</p> <p>Pass all 3 Fundamental subjects with 50% and above (English, Life Orientation and Mathematics).</p> <p>Pass with 60% and above in 3 of the Vocational subjects:</p> <p>Construction Planning, Construction Supervision, Materials, Concrete Structure, Carpentry and roof work, Masonry, Plumbing</p> <p>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.</p>

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WS7153	Diploma in Engineering: Mechanical (ECP)	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)	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.
WS7151	Diploma in Engineering: Mechanical (Main)	Full time:	3		NBT results required		
WS7152	Advanced Diploma in Engineering Mechanical	Part time	1		<p>Candidate should meet one of the following requirements:</p> <p>(i) A revised National Diploma: Engineering: Mechanical (S-stream), or its equivalent</p> <p>OR</p> <p>(ii) National Higher Diploma: Mechanical Engineering (T4) with the appropriate courses at this level for the field of specialisation the candidate wishes to pursue</p> <p>OR</p> <p>(iii) National Diploma: Mechanical Engineering (T3) with at least two (2) of the following S4-level courses: Applied Strength of Material III, Steam Plant III, Hydraulic Machines III and Mathematics III</p> <p>Newly qualified Diplomats (Engineering Mechanical) who wish to proceed directly to the Advanced Diploma programme without the experiential training requirements may be admitted if they obtained an average of at least 60% in their Level III courses. However, admission is not automatic, as candidates will be selected on the basis of their proven academic record and post qualification professional experience.</p>		

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WS7166	Diploma in ICT in Business Analysis	Full time:	3		Endorsement: NSC (Bachelor's Degree/ Diploma)	Senior Certificate:	Meet statutory requirements
WS7172	Diploma in ICT in Business Analysis (ECP)	Full-time:	4		English (Home or Additional Language) 4 (50-59),	English First language HG-E or SG-D OR	Pass all 3 Fundamental subjects with 50% and above (English, Life Orientation and Mathematics OR 60% for Mathematical Literacy).
WS7165	Diploma in ICT in Applications Development	Full-time:	3		Mathematics 3 (40-49) or	English second language HG-D or SG-C ,	Pass with 60% and above in 3 of the following Vocational subjects :
WS7169	Diploma in ICT in Applications Development (ECP)	Full-time:	4		Mathematical Literacy	Mathematics HG-E or SG -D	Systems Analysis and Design, Data Communication and networking, Computer programming, Physical Science
WS7168	Diploma in ICT in Support Services	Full-time:	3				
WS7174	Diploma in ICT in Support Services (ECP)	Full-time:	4				
WS7167	Diploma in ICT in Communication Networks	Full-time:	3				
WS7173	Diploma in ICT in Communication Networks (ECP)	Full-time:	4				
WS7170	Advanced Diploma in ICT in Applications Development	Full-time/ Part-time	1 / 2		Candidate should meet the following requirements: National Diploma: Information Technology or Diploma in Information Technology, or an equivalent qualification at NQF Level 6 in a cognate discipline		
WS7171	Advanced Diploma in ICT in Communication Networks	Full-time/ Part-time	1 / 2		Candidate should meet the following requirements: National Diploma: Information Technology or Diploma in Information Technology, or an equivalent qualification at NQF Level 6 in a cognate discipline		

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WS7122	Diploma: Fashion Design	Full time:	3		<p>Endorsement: NSC (Bachelor's Degree/ Diploma)</p> <p>Achievement rating of at least: 4 (50-59) in English as Home Language or Additional Language</p> <p>3 (40-49) in Mathematics Literacy or</p> <p>2 (30-39) in Mathematics or Accountancy for costing fabric and garment and promotion purposes.</p> <p>Recommended subjects but not compulsory: Technology and Design and Art</p>	<p>Senior Certificate:</p> <p>English HG-E or SG-D, Mathematics HG-E or SG-D,</p>	<p>Meet statutory requirements</p> <p>Pass all 2 Fundamental subjects with 50% and above (English, Mathematics or Mathematics literacy). Pass with</p> <p>English= Level 4 (50-59)</p> <p>Mathematics= Level 2 (30-39)</p> <p>Mathematics Literacy= Level 3 (40-49)</p> <p>or</p> <p>Accounting= Level 2 (30-39)</p> <p>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</p>
WS7120	Diploma in Fine Art	Full time:	3		<p>Endorsement: NSC (Bachelor's Degree/ Diploma)</p> <p>Achievement rating of at least:</p> <p>3 (40-49) in English Home or Additional language</p>	<p>Senior Certificate:</p> <p>Senior Certificate: English HG-E</p>	<p>Meet statutory requirements</p> <p>Meet statutory requirements for NC(V) level</p> <p>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</p>
WS7121	Advanced Diploma in Fine Art	Full time	1		<p>Candidate should meet the following requirements:</p> <p>(i) An acceptable National Diploma/ Diploma: Fine Arts or equivalent qualification.</p> <p>(ii) Applicants from other institutions will be required to present a portfolio of previous work.</p> <p>(iii) An average of 65% at National Diploma level is the general guide-line allowing consideration for admission.</p> <p>(iv) Application should include a substantial Research Project Proposal.</p>		

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WS7162	Diploma in Analytical Chemistry (ECP)	Full time:	4		Endorsement: NSC (Bachelor's Degree/ Diploma)	Senior Certificate:	Meet statutory requirements
WS7161	Diploma in Analytical Chemistry (Main)	Full-time:	3		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.	E – 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.	
WS7160	Advanced Diploma in Chemistry	Full time	1		Candidate should meet the following requirements: Newly qualified diplomats who wish to proceed directly to the Advanced Diploma programme without the appropriate post diploma industrial experience requirements may be admitted if they obtained an average of at least 60% in their exit level courses (Analytical Chemistry III theory and practical, Inorganic Chemistry III, Organic Chemistry III and Physical Chemistry III). However, candidates with a relevant one-year industrial experience and an average of at least 55% in their exit level courses will be considered for admission. Note that admission is not automatic, candidates will be selected on the basis of their proven academic record and/or post qualification professional experience.		
WS7163	Diploma in Consumer Science (Food and Nutrition) (ECP)	Full time:	4		Endorsement: NSC (Bachelor's Degree/ Diploma) Compulsory -4 (50-59%) in English, 3 (40-49%) Life Sciences, 3 (40-49%) Physical Sciences.	Senior Certificate:	Meet statutory requirements
WS7164	Diploma in Consumer Science (Food and Nutrition) (Main)	Full-time:	3		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.	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.	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

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