



ECOSA

ENGINEERING COUNCIL OF SOUTH AFRICA



**Qualifications accredited as meeting the educational requirement
for Registration as a Candidate and Professional Engineering
Technician**

E-20-PN

REVISION 36: 20 November 2024

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1. ABBREVIATION TABLE

Qualification	Abbreviation
National Diploma	ND
Diploma in Engineering	Dip Eng
Diploma in Engineering Technology	Dip Eng Tech

2. PURPOSE


The purpose of this document is to provide surety to graduates who are part of cohorts within the valid timeframes as clearly recorded for each of the Diplomas and National Diplomas programmes listed for the different Higher Education Institutions (HEIs), that they have satisfied the **educational requirement** toward registration as Candidate Engineering Technician and Professional Engineering Technician with the Engineering Council of South Africa.

3. NOTES

- i. Accreditation means the formal ECSA recognition awarded to an Engineering Programme offered by a registered HEI through a rigorous cyclical quality assurance procedure that ensures it meets the criteria laid down for the type of programme.
- ii. Accreditation criteria are statements of requirements that must be satisfied by a programme to receive accreditation.
- iii. ECSA conducts four (4) types of Accreditations through a rigorous peer-review and policy-directed process:
 - **REGULAR ACCREDITATION:** An accreditation and institutional visit in alignment with the planned/normal 5-year accreditation cycle for an accredited engineering programme.
 - **PROVISIONAL ACCREDITATION:** an accreditation and institutional visit for a new engineering programme at the mid-point of its implementation after the first cohort of students in the programme has completed 50% of the credits towards the completion of the programme. ECSA recognizes graduates between the year of provisional accreditation and the decision of the first regular accreditation visit.
 - **INTERIM ACCREDITATION:** Accreditation at a time within the regular 5-year accreditation cycle as required by the ECSA Education Committee due to the particular outcomes of a previous accreditation visit.
 - **FINAL ACCREDITATION:** Accreditation of a programme that was given notification of termination of accreditation by the Education Committee after the previous interim accreditation.
- iv. Validity dates for accreditation apply to the year in which the student completes the

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programme, that is, the last year in which the student is registered with the HEI, after which graduation follows. Where a programme is being phased out or is discontinued the accreditation period is extended by no more than 24 months to allow for a teach-out phase for students in the programme.

- v. In the case of the Afrikaans language universities, the university's name and degree designation are stated in Afrikaans with the English equivalent in square brackets. The abbreviation is not translated.
- vi. The accredited Diplomas and National Diplomas fulfil only the educational requirement as the first step towards registration as Candidate Engineering Technician and Professional Engineering Technician: further experiential requirements exist.
- vii. **Dublin Accord Recognition:** Engineering programmes listed below have been accredited by ECSA and are recognized as meeting the initial academic requirements for Professional Engineering Technician in South Africa. International recognition of these programmes is provided through the Dublin Accord, which was signed in 2002.

Signatories to the Dublin Accord have undertaken to make every reasonable effort to ensure that the bodies responsible for registering or licensing engineering technicians to practice in its country or territory mutually recognize the substantial academic equivalence of engineering academic programmes accredited by other Accord signatories.


ECSA was a founding signatory to the Dublin Accord and other signatories are under no formal obligation to recognize the graduates of accredited programmes prior to 2002. Individual Accord signatories recognize accredited programmes gained prior to 2002 at their own discretion.

Further details about the Dublin Accord and details of all current signatories with links to all accreditation listing information can be found at: www.ieagreemements.org

- viii. The year of the next regular evaluation visit (next general review) is shown against programmes that are currently offered.
- ix. Where providers offer programmes at different sites, the programmes at every site are evaluated separately. In such cases, the site of delivery is shown against each programme.

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4. ACCREDITED DIPLOMAS AND NATIONAL DIPLOMAS MEETING THE EDUCATIONAL REQUIREMENTS TOWARD REGISTRATION AS A CANDIDATE AND PROFESSIONAL ENGINEERING TECHNICIAN AS A RESULT OF AN ACCREDITATION VISIT


4.1 Vaal University of Technology

Note: Was renamed in 2004. Previously known as the Vaal Triangle Technikon

Qualification and Discipline	Site of Delivery	Duration Year	Accreditation Period		Accreditation Visit Type		
			From	To	Interim	Final	Regular
ND: Engineering: Chemical	Vanderbijlpark	3	1991	2024			Phasing out
ND: Engineering: Chemical	Secunda	3	2010*	2024			Phasing out
ND: Engineering: Civil	Vanderbijlpark	3	1991	2024			Phasing out
ND: Engineering: Electrical	Vanderbijlpark	3	1991	2024			Phasing out
ND: Engineering: Electrical	Secunda	3	2010*	2024			Phasing out
ND: Engineering: Electrical: Computer Systems	Vanderbijlpark	3	2003	2024			Phasing out
ND: Engineering: Industrial	Vanderbijlpark	3	1996	2024			Phasing out
ND: Engineering: Mechanical	Vanderbijlpark	3	1991	2024			Phasing out
ND: Engineering: Metallurgical	Vanderbijlpark	3	1991	2024			Phasing out
Dip Eng in Chemical Engineering	Secunda & Vanderbijlpark	3	2022	2027			x

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Dip Eng in Electrical Engineering: Power Engineering	Secunda & Vanderbiljpark	3	2022	2025		X	
Dip Eng in Electrical Engineering: Process Control	Secunda & Vanderbiljpark	3	2022	2025		X	
Dip Eng in Civil Engineering	Vanderbiljpark	3	2022	2027			X
Dip Eng in Electrical Engineering: Computer Systems	Vanderbiljpark	3	2022	2025		X	
Dip Eng in Electrical Engineering: Electronic Engineering	Vanderbiljpark	3	2022	2025		X	
Dip Eng in Industrial Engineering	Vanderbiljpark	3	2022	2027			X
Dip Eng in Mechanical Engineering	Vanderbiljpark	3	2022	2025		X	
Dip Eng in Metallurgical Engineering	Vanderbiljpark	3	2022	2027			X

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4.2 Tshwane University of Technology

Note: Tshwane University of Technology was founded in 2004 after the merger of Technikon Northern Gauteng and Pretoria Technikon.

Qualification and Discipline	Site of Delivery	Duration Year	Accreditation Period		Accreditation Visit Type		
			From	To	Interim	Final	Regular
ND: Engineering: Chemical	Pretoria	3	1991	2024			Phasing Out
ND: Engineering: Chemical	Soshanguve	3	1991	2009			Discont.
ND: Engineering: Chemical	Soshanguve	3	1991	2009			Discont.
ND: Engineering: Metallurgical	Pretoria	3	1991	2024			Phasing Out
ND: Engineering: Civil	Pretoria	3	1991	2023			Discont
ND: Engineering: Civil	Soshanguve	3	1991	2009			Discont.
ND: Engineering: Electrical	Pretoria	3	1991	2024			Phasing Out
ND: Engineering: Electrical: Clinical	Pretoria	3	1991	2013			Discont.
ND: Engineering: Electrical: Computer Systems	Pretoria	3	2005	2008			Discont.
ND: Engineering: Electrical: Computer Systems	Pretoria	3	2009	2021			Discont
ND: Engineering: Electrical: Digital Technology	Pretoria	3	1991	2010			Discont.
ND: Engineering: Electrical: Electronic	Pretoria	3	1991	2010			Discont.

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ND: Engineering: Electrical: High Frequency Technology	Pretoria	3	1991	2010			Discont.
ND: Engineering: Electrical: Power	Pretoria	3	1991	2013			Discont.
ND: Engineering: Electrical: Process Instrumentation	Pretoria	3	1991	2013			Discont.
ND: Engineering: Electrical	Soshanguve	3	1991	2010			Discont.
ND: Engineering: Electrical: Autotronics	Soshanguve	3	1991	2010			Discont.
ND: Engineering: Electrical: Electronic	Soshanguve	3	1991	2010			Discont.
ND: Engineering: Electrical: Power	Soshanguve	3	1991	2010			Discont.
ND: Engineering: Electrical: Telecommunications	Soshanguve	3	1991	2010			Discont.
ND: Engineering: Electrical	Nelspruit	3	2005	2011			Discont.
ND: Engineering: Electrical	eMalahleni	3	2008	2023			Discont.
ND: Engineering: Industrial	Pretoria	3	1991	2023			Discont.
ND: Engineering: Mechanical	Pretoria	3	1991	2023			Discont.
ND: Engineering: Mechanical: Manufacturing	Pretoria	3	1991	2013			Discont.
ND: Engineering: Mechanical: Mechatronics Design	Pretoria	3	1991	2013			Discont.
ND: Engineering: Mechatronics	Pretoria	3	1991	2023			Discont.

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ND: Engineering: Mechanical	Soshanguve	3	1991	2009			Discont.
ND: Engineering: Mechanical: Automotive	Soshanguve	3	1991	2009			Discont.
ND: Engineering: Mechanical: Component Manufacturing	Soshanguve	3	1991	2009			Discont.
Dip Eng in Electrical Engineering	Pretoria	3	2024	2029			X
Dip Eng in Computer Systems Engineering	Soshanguve	3	2024	2025	X		


4.3 UNISA

Note: UNISA merged in 2004 with Technikon Southern Africa (Technikon SA), and incorporated the distance education component of [Vista University](#) (VUDEC).

Qualification and Discipline	Duration Year	Duration Year		Accreditation Period		
		From	From	To	Final	Regular
ND: Engineering: Chemical	3	2000	2024			Phasing out
ND: Engineering: Civil	3	2000	2024			Phasing out
ND: Engineering: Electrical	3	2000	2024			Phasing out
ND: Engineering: Electrical: Power Engineering	3	2000	2024			Phasing out
ND: Engineering: Electrical: Telecommunications	3	2000	2024			Phasing out
ND: Engineering: Electrical: Computer Systems	3	2000	2024			Phasing out
ND: Engineering: Electrical: Process Instrumentation	3	2000	2024			Phasing out

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ND: Engineering: Electrical: Clinical Engineering	3	2000	2024			Phasing out
ND: Engineering: Electrical: Mechatronics	3	2000	2024			Phasing out
ND: Engineering: Industrial	3	2000	2024			Phasing out
ND: Engineering: Mechanical	3	2000	2024			Phasing out
ND: Engineering: Mining	3	2000	2024			Phasing out
ND: Engineering: Coal Mining	3	2000	2015*			Discont.
ND: Engineering: Mining (Metalliferous)	3	2000	2015*			Discont.
ND: Engineering: Surface Mining	3	2000	2015*			Discont.
Dip Eng in Mechanical Engineering	3	2023	2028			X
Dip Eng in Chemical Engineering	3	2024	2029			X
Dip Eng in Civil Engineering	3	2024	2029			X
Dip Eng in Electrical Engineering	3	2024	2029			X
Dip Eng in Industrial Engineering	3	2024	2029			X
Dip Eng in Mining Engineering	3	2024	2029			X

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4.4 University of Johannesburg

Note: UJ was formed in 2005 after the merger of Rand Afrikaans University (RAU) and the Technikon Witwatersrand.

Qualification and Discipline	Site of Delivery	Duration Year	Accreditation Period		Accreditation Visit Type		
			From	To	Interim	Final	Regular
ND: Engineering: Civil	Doornfontein	3	1991	2020			Discont.
ND: Engineering: Chemical	Doornfontein	3	1991	2020			Discont.
ND: Engineering: Computer Systems	Doornfontein	3	2002	2020			Discont.
ND: Engineering: Electrical	Doornfontein	3	1991	2020			Discont.
ND: Engineering: Industrial	Doornfontein	3	1991	2020			Discont.
ND: Engineering: Mechanical	Doornfontein	3	1991	2020			Discont.
ND: Engineering: Metallurgical	Doornfontein	3	1991	2020			Discont.
ND: Engineering: Extraction Metallurgy	Doornfontein	3	1991	2020			Discont.
ND: Engineering: Mining	Doornfontein	3	2002	2020			Discont.

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4.5 Central University of Technology

Note: Was renamed in 2004. Previously known as Free State Technikon and Technikon Orange Free State

Qualification and Discipline	Duration Year	Duration Year		Accreditation Period		
		From	From	Interim	Final	Regular
ND: Engineering: Civil	3	1991	2021			Discont.
ND: Engineering: Electrical	3	1991	2021			Discont.
ND: Engineering: Computer Systems	3	2004	2021			Discont.
ND: Engineering: Mechanical	3	1991	2021			Discont.
Dip Eng Tech in Civil Engineering	2	2021	2026			x
Dip Eng Tech in Mechanical Engineering	2	2021	2026			x
Dip Eng Tech in Electrical Engineering	2	2021	2026			x


4.6 Mangosuthu University of Technology

Note: Was renamed in 2004. Previously known as Mangosuthu Technikon.

Qualification and Discipline	Duration Year	Duration Year		Accreditation Period		
		From	From	Interim	Final	Regular
ND: Engineering: Civil	3	1991	2021			Discont.
ND: Engineering: Chemical	3	1991	2021			Discont.

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ND: Engineering: Electrical	3	1991	2021			Discont.
ND: Engineering: Mechanical	3	1996	2021			Discont.
Dip Eng in Electrical Engineering	3	2021	2026			x
Dip Eng in Chemical Engineering	3	2021	2026			x
Dip Eng in Civil Engineering	3	2022	2027			x
Dip Eng in Mechanical Engineering	3	2022	2027			x


4.7 Durban University of Technology

Note: Was founded as Durban Institute of Technology after the merger of ML Sultan Technikon and Technikon Natal. In 2005 they were renamed Durban University of Technology.

Qualification and Discipline	Site of Delivery	Duration Year	Accreditation Period		Accreditation Visit Type		
			From	To	Interim	Final	Regular
ND: Engineering: Civil	Steve Biko	3	1991	2024			Phasing out
ND: Engineering: Civil	Ndumiso	3	2001	2024			Phasing out
ND: Engineering: Chemical	Steve Biko	3	1991	2024			Phasing out
ND: Engineering: Computer Systems	Steve Biko	3	1991	2024			Phasing out

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ND: Engineering: Electrical (Heavy Current)	Steve Biko	3	1991	2024			Phasing out
ND: Engineering: Electrical (Light Current)	Steve Biko	3	1991	2024			Phasing out
ND: Engineering: Industrial	Steve Biko	3	1996	2024			Phasing out
ND: Engineering: Mechanical	Steve Biko	3	1991	2024			Phasing out
Diploma in Engineering Technology in Civil Engineering	Indumiso	2	2019	2025	x		


4.8 Nelson Mandela University

Note: Was renamed from Port Elizabeth Technikon to Nelson Mandela Metropolitan University in 2004. In 2017 the name was changed to Nelson Mandela University.

Qualification and Discipline	Duration Year	Duration Year		Accreditation Period		
		From	From	Interim	Final	Regular
ND: Engineering: Civil	3	1991	2022			Discont.
ND: Engineering: Electrical	3	1991	2023			Discont.
ND: Engineering: Industrial	3	1991	2023			Discont.
ND: Engineering: Mechanical	3	1991	2023			Discont.

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ND: Engineering: Metallurgy	3	1991	2000			Discont.
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4.9 Cape Peninsula University of Technology

Note: Was founded in 2005 after the merger of Cape Technikon and Peninsula Technikon.

Qualification and Discipline	Delivery Site	Duration Year	Accreditation Period		Accreditation Visit Type		
			From	To	Interim	Final	Regular
ND: Engineering: Civil	Bellville	3	1991	2023			Discont.
ND: Engineering: Chemical	Cape Town	3	2002	2023			Discont.
ND: Engineering: Chemical	Bellville	3	1991	2023			Discont.
ND: Engineering: Computer Systems	Cape Town	3	1991	2023			Discont.
ND: Engineering: Electrical	Cape Town	3	1991	2023			Discont.
ND: Engineering: Electrical	Bellville	3	1991	2023			Discont.
ND: Engineering: Industrial Engineering	Cape Town	3	1991	2023			Discont.
ND: Engineering: Industrial Engineering	Bellville	3	2002	2023			Discont.
ND: Engineering: Mechanical	Cape Town	3	1991	2023			Discont.
ND: Engineering: Mechanical	Bellville	3	1991	2023			Discont.

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ND: Engineering: Mechatronics	Bellville & Saldanha	3	2012	2023			Discont.
Dip Eng Tech in Computer Engineering	Bellville	2	2022	2027			x
Dip Eng Tech in Electrical Engineering	Bellville	2	2022	2027			x
Dip in Chemical Engineering	Bellville	3	2022	2027			x
Dip in Civil Engineering	Bellville	3	2021	2026			x
Dip in Mechanical (Mechatronics) Engineering	Bellville	3	2021	2026			x
Dip in Mechanical Engineering	Bellville	3	2021	2026			x
Dip in Industrial Engineering	Bellville	3	2021	2026			x

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4.10 Walter Sisulu University

Note: Was founded in 2005 after the merger of Eastern Cape Technikon & Border Technikon.

Qualification and Discipline	Delivery Site	Duration Year	Accreditation Period		Accreditation Visit Type		
			From	To	Interim	Final	Regular
Dip in Electrical Engineering	Buffalo City – College Street Campus	3	2023	2028			x
Dip in Electrical Engineering	Butterworth Campus	3	2023	2028			x
Dip in Civil Engineering	Buffalo City – College Street Campus	3	2023	2028			x
Dip in Civil Engineering	Butterworth Campus	3	2023	2028			x
Dip in Mechanical Engineering	Buffalo City – Chiselhurst Campus	3	2023	2025	x		
Dip in Mechanical Engineering	Butterworth Campus	3	2023	2025	x		
Qualification and Discipline	Delivery Site	Duration Year	Accreditation Period		Accreditation Visit Type		
			From	To	Interim	Final	Regula
ND: Engineering: Civil	Chiselhurst	3	1996	2005*			Discont.
ND: Engineering: Civil	Ibika	3	1996	2005*			Discont.
ND: Engineering: Civil	Ibika	3	2006	2023			Discont.
ND: Engineering: Civil	College Street	3	2005	2023			Discont.

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ND: Engineering: Electrical	Chilselhurst	3	1996	2005*			Discont.
ND: Engineering: Electrical	Chilselhurst	3	2006	2007			Discont.
ND: Engineering: Electrical	Ibika	3	1996	2005*			Discont.
ND: Engineering: Electrical	Ibika	3	2006	2023			Discont.
ND: Engineering: Electrical	College Street	3	2000	2023			Discont.
ND: Engineering: Mechanical	Chilselhurst	3	1996	2023			Discont.
ND: Engineering: Mechanical	Ibika	3	1996	2023			Discont.
ND: Engineering: Mechanical	College Street	3	2004	2009*			Discont.


***Up to end of 30 June 2005**

5. Revision History

Revision Number	Revision Date	Revision Details	Approved By
Draft - 1.1	1 June 2010	Reformatting existing list into S&P format	TPAC
Revision - 2	06 Dec 2010	Updating of status: DUT, VUT & TUT	TPAC
Revision - 3	14 June 2011	Updating of status: UNISA & CUT	TPAC
Revision - 4	02 Aug 2011	Updating of status: DUT	TPAC
Revision - 5	30 Nov 2011	Updating of status: NMMU & UJ	TPAC
Revision - 6	23 May 2012	Updating of status: VUT & UNISA	TPAC
Revision - 7	21 Nov 2012	Updating of status: CPUT, UJ & NMMU	TPAC

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Revision - 8	29 April 2013	Updating of status: UNISA, UJ & VUT	TPAC
Revision - 9	01 August 2013	Updating of Status: CUT, MUT & TUT	TPAC
Revision - 10	29 Oct 2013	Updating of Status: CPUT	TPAC
Revision - 11	06 May 2014	Updating of Status: CUT, VUT	TPAC
Revision - 12	09 July 2014	Updating of Status: MUT, TUT	TPAC
Revision - 13	03 Nov 2014	Updating of Status: CPUT, DUT	TPAC
Revision - 14	26 May 2015	Updating of Status: CPUT, UNISA, TUT	TPAC
Revision - 15	19 Oct 2015	Updating of Status: DUT, NMMU	TPAC
Revision - 16	24 May 2016	Updating of Status: WSU, NMMU, UNISA, VUT	TPAC
Revision - 17	25 Oct 2016	Updating of Status: UJ, CPUT & WSU	TPAC
Revision - 18	30 March 2017	Updating of Status: CPUT & WSU	TPAC
Revision - 19	4 August 2017	Updating of Status: VUT, CUT, MUT & NMU	TPAC
Revision - 21	10 April 2018	Reformatting existing list and including different types of accreditation visits. Updating TUT, CPUT & UJ	PDSG Committee
Revision - 22	31 May 2019	Updating status of VUT, TUT, UJ and DUT	Executive: Regulatory Function
Revision - 23	23 July 2019	Updating status of MUT, WSU, DUT and UNISA	Executive: Regulatory Function
Revision 24	21 February 2020	Updating DUT	Executive: Regulatory Function
Revision 25	04 March 2020	Updating NMU and WSU	Executive: Regulatory Function
Revision 26	25 March 2020	Updating CPUT	Executive: Regulatory Function
Revision 27	01 June 2020	Updating DUT	Executive: Regulatory Function

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Revision 28	18 June 2020	Updating Note 4	Executive: Regulatory Function
Revision 29	26 August 2020	Updating extension due to COVID19	Executive: Regulatory Function
Revision 30	09 September 2020	Adding new HEQSF qualifications	Executive: Regulatory Function
Revision 31	30 November 2020	All NATED programmes updated for UJ from 2021 to 2022	Executive: Regulatory Function
Revision 32	13 May 2021	All NATED programmes updated for TUT from 2021 to 2023 and 2024	Executive: Regulatory Function (Acting)
Revision 33	20 October 2021	Updating MUT	Executive: Regulatory Function (Acting)
Revision 34	05 February 2024	Updating status for CUT, VUT, CPUT and MUT	Executive: Regulatory Function
Revision 35	10 June 2024	Updating status for WSU	Executive: Statutory Services
Revision 36	20 November 2024	Updating status for TUT, VUT, Nelson Mandela University and UNISA	Executive: Statutory Services

The List for:

Diplomas and National Diplomas Accredited as meeting the Educational Requirement for Registration as a Candidate and Professional Engineering Technician.

Revision 36 dated 30 November 2024 and consisting of 21 pages has been reviewed for adequacy by the Business Unit Manager and is approved by the Executive: Statutory Services




20/11/2024

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Business Unit Manager

Date.....

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Executive: Statutory Services

Date: 21 November 2024
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