# ENSURING THE EXPERTISE TO GROW SOUTH AFRICA

Degrees Diplomas as Meeting the Educational Requirement for Registration as a Candidate or Professional Engineering Technician

E-20-PN

**REVISION 22: 31 May 2019** 

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ENGINEERING COUNCIL OF SOUTH AFRICA Tel: 011 6079500 | Fax: 011 6229295 Email: <u>engineer@ecsa.co.za</u> | Website: www.ecsa.co.za

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### 1. Purpose

The graduates of the qualification programmes listed here belonging to that graduating classes of the years shown against each programme have satisfied the educational requirement toward registration as a Candidate Engineering Technician and Professional Engineering Technician with the Engineering Council of South Africa.

### 2. Notes

- 1. Accreditation is formal recognition awarded to an education or training programme through a quality assurance procedure that it meets criteria laid down for the type of programme.
- 2. Accreditation criteria are statements of requirements that must be satisfied by a programme in order to receive accreditation.
- 3. Accreditation visit has three types: Interim visit which refers to a partial accreditation that is awarded until all requirements are met for full accreditation; Final visit refers to a follow-up visit after a partial accreditation to check if outstanding accreditation criteria is met or not and may result to withdrawal of accreditation if the criteria is still no met; and Regular visit refers to the routine visit after full accreditation.
- 4. Validity dates for accreditation apply to the year in which the student completes the programme that is the last year in which the student was registered at the university.
- 2. The accredited diploma fulfils only the educational requirement toward registration as Candidate Engineering Technician and Professional Engineering Technician: further training and experience is required for professional registration.
- 3. ECSA commenced accreditation of technology qualifications in 1991.
- 4. The year of the next regular evaluation visit (next general review) is shown against programmes that are currently offered.
- 5. Provisional Accreditation may be granted to a new diploma programme, which has been visited when students have completed half the credits for the Qualification. A regular accreditation visit is required in the year after the first graduates are produced. ECSA recognises graduates between the year of provisional accreditation and the decision of the first regular accreditation.
- 6. 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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#### Lists for the various universities of technology are found in the Sections shown.

University of Technology	List
Vaal University of Technology (as from 2004, formerly Vaal Triangle Technikon)	3.1
<b>Tshwane University of Technology</b> (formed by the merger of Technikon Northern Gauteng and Pretoria Technikon in 2004)	3.2
UNISA (as from 2004, formerly Technikon SA)	3.3
<b>University of Johannesburg</b> (formed by the merger of Technikon Witwatersrand and Rand Afrikaans University (RAU) in 2005)	3.4
<b>Central University of Technology, Free State</b> (as from 2004, formerly Free State Technikon, formerly Technikon Orange Free State)	3.5
Mangosuthu University of Technology (as from 2004, formerly Mangosuthu Technikon)	3.6
<b>Durban University of Technology</b> (as from 2005, formerly Durban Institute of Technology. As from 2001, merger of ML Sultan Technikon and Technikon Natal)	3.7
Nelson Mandela Metropolitan University (as from 2004, formerly Port Elizabeth Technikon)	3.8
<b>Cape Peninsula University of Technology</b> (formed by the merger of Cape Technikon and Peninsula Technikon in 2005)	3.9
<b>Walter Sisulu University</b> (formed by the merger of Eastern Cape Technikon and Border Technikon in 2005)	3.10

#### 2.1 Dublin Accord Recognition of Accredited Programmes

Engineering programmes listed below have been accredited by ECSA and are recognised 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 or registering or licensing engineering technicians to practise in its country or territory mutually recognise the substantial academic equivalence of engineering academic programmes accredited by other Accord signatories.

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ECSA was a founding signatory to the Dublin Accord and other signatories are under no formal obligation to recognise the graduates of accredited programmes prior to 2002. Individual Accord signatories recognise 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: <u>www.ieagreements.org</u>

3. Qualification programmes accredited as meeting the educational requirements toward registration as a Professional Engineering Technician as a result of an accreditation visit

### 3.1 Vaal University of Technology

Qualification:	National Diploma: Engineering				
Abbreviation:	ND: Engineering				
Note:	As from 2004, formerly Vaal Triangle Technikon				

Qualification and		Duration	I GHUU		Accreditation Visit Type		
Branch	Delivery	Year	From	То	Interim	Final	Regular
ND: Engineering: Chemical	Vanderbijl	3	1991	2020			x
ND: Engineering: Chemical	Secunda	3	2010*	2020			x
ND: Engineering: Civil	Vanderbijl	3	1991	2020			x
ND: Engineering: Electrical	Vanderbijl	3	1991	2020			x
ND: Engineering: Electrical	Secunda	3	2010*	2020			x
ND: Engineering: Electrical: Computer Systems	Vanderbijl	3	2003	2020			x
ND: Engineering: Industrial	Vanderbijl	3	1996	2020			x
ND: Engineering: Mechanical	Vanderbijl	3	1991	2020			x
ND: Engineering: Metallurgical	Vanderbijl	3	1991	2020			x
*From August 2010							

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# 3.2 Tshwane University of Technology

Qualification:National Diploma: EngineeringAbbreviation:ND: EngineeringNote:Formed by the merger of Technikon Northern Gauteng and Pretoria Technikon in<br/>2004.

Qualification and Branch	Site of	Duration		editation eriod	Accre		/isit Type
	Delivery	Year	Fro m	То	Interi m	Final	Regular
ND: Engineering: Chemical	Pretoria	3	1991	2014			x
ND: Engineering: Chemical	Soshanguve	3	1991	2009			Discont.
ND: Engineering: Chemical	Soshanguve	3	1991	2009			Discont.
ND: Engineering: Metallurgical	Pretoria	3	1991	2021			x
ND: Engineering: Civil	Pretoria	3	1991	2021			x
ND: Engineering: Civil	Soshanguve	3	1991	2009			Discont.
ND: Engineering: Electrical	Pretoria	3	1991	2021			x
ND: Engineering: Electrical: Clinical	Pretoria	3	1991	2013			Discont.
ND: Engineering: Electrical: Computer Systems	Pretoria	3	2005	Dec 2008			Discont.
ND: Engineering: Electrical: Computer Systems	Soshanguve	3	2009	2021			x
ND: Engineering: Electrical: Digital Technology	Pretoria	3	1991	2010			Discont.
ND: Engineering: Electrical: Electronic	Pretoria	3	1991	2010			Discont.

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Qualification and Branch	Site of Delivery	Duration	Accreditation Period		Accre	ditation V	isit Type
	201101	Year	From	То	Interim	Final	Regular
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		2005	2011			Discont
ND: Engineering: Electrical	eMalahleni	3	2008	2021			х
ND: Engineering: Industrial	Pretoria	3	1991	2021			x
ND: Engineering: Mechanical	Pretoria	3	1991	2021			x
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	2021			x
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

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# 3.3 UNISA

Qualification:	National Diploma: Engineering
Abbreviation:	ND: Engineering
Note:	As from 2004, formerly Technikon SA

Qualification and Branch	Duration		ditation riod	Accre	editation Vi	sit Type
	Year	From	То	Interim	Final	Regular
ND: Engineering: Chemical	3	2000	2019			x
ND: Engineering: Civil	3	2000	2019			x
ND: Engineering: Electrical	3	2000	2019			x
ND: Engineering: Electrical: Power Engineering	3	2000	2019			x
ND: Engineering: Electrical: Telecommunications	3	2000	2019			x
ND: Engineering: Electrical: Computer Systems	3	2000	2019			x
ND: Engineering: Electrical: Process Instrumentation	3	2000	2019			x
ND: Engineering: Electrical: Clinical Engineering	3	2000	2019			x
ND: Engineering: Electrical: Mechatronics	3	2000	2019			x
ND: Engineering: Industrial	3	2000	2019			x
ND: Engineering: Mechanical	3	2000	2019			x
ND: Engineering: Mining	3	2000	2019			x
ND: Engineering: Coal Mining	3	2000	2015*			Discont.
ND: Engineering: Mining (Metalliferous)	3	2000	2015*			Discont.
ND: Engineering: Surface Mining	3	2000	2019			x
End February 2015						

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# 3.4 University of Johannesburg

Qualification:	National Diploma: Engineering
Abbreviation:	ND: Engineering
Note:	Formed by the merger of Technikon Witwatersrand and Rand Afrikaans
	University (RAU) in 2005)

Qualification and		Duration	Accreditation Period		Accreditation Visit Type		
Branch	Site of Delivery	Year	From	То	Interim	Final	Regular
ND: Engineering: Civil	Doornfontein	3	1991	2018			Phasing out
ND: Engineering: Chemical	Doornfontein	3	1991	2020			x
ND: Engineering: Computer Systems	Doornfontein	3	2002	2018			Phasing out
ND: Engineering: Electrical	Doornfontein	3	1991	2018			Phasing out
ND: Engineering: Industrial	Doornfontein	3	1991	2020			x
ND: Engineering: Mechanical	Doornfontein	3	1991	2020			x
ND: Engineering: Metallurgical	Doornfontein	3	1991	2020			x
ND: Engineering: Extraction Metallurgy	Doornfontein	3	1991	2020			x
ND: Engineering: Mining	Doornfontein	3	2002	2020			x

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# 3.5 Central University of Technology, Free State

Qualification:	National Diploma: Engineering
Abbreviation:	ND: Engineering
Note:	As from 2004, formerly Free State Technikon, formerly Technikon Orange Free State

					editation Visit Type	
Qualification and Branch	Duration Year	From	То	Interim	Final	Regular
ND: Engineering: Civil	3	1991	2018			Phasing out
ND: Engineering: Electrical	3	1991	2021			x
ND: Engineering: Computer Systems	3	2004	2021			x
ND: Engineering: Mechanical	3	1991	2021			x

# 3.6 Mangosuthu University of Technology

Qualification:	National Diploma: Engineering
Abbreviation:	ND: Engineering
Note:	As from 2004, formerly Mangosuthu Technikon

Qualification and Duration		Accreditati	on Period	riod Accreditation Visit Type		e
Branch	Year	From	То	Interim	Final	Regular
ND: Engineering: Civil	3	1991	2018			Phasing out
ND: Engineering: Chemical	3	1991	2021			x
ND: Engineering: Electrical	3	1991	2018			Phasing out
ND: Engineering: Mechanical	3	1996	2021			x

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# 3.7 Durban University of Technology

Qualification:	National Diploma: Engineering
Abbreviation:	ND: Engineering
Note:	As from 2005, formerly Durban Institute of Technology. As from 2001, merger of
	ML Sultan Technikon and Technikon Natal

Qualification and	Site of			Accreditation Period		Accreditation Visit Type		
Branch	Delivery	Year	From	То	Interim	Final	Regular	
ND: Engineering: Civil	Steve Biko	3	1991	2019			x	
ND: Engineering: Civil	Indumiso	3	2001	2019			x	
ND: Engineering: Chemical	Steve Biko	3	1991	2022			x	
ND: Engineering: Computer Systems	Steve Biko	3	1991	2014			x	
ND: Engineering: Electrical (Heavy Current)	Steve Biko	3	1991	2022			x	
ND: Engineering: Electrical (Light Current)	Steve Biko	3	1991	2022			x	
ND: Engineering: Industrial	Steve Biko	3	1996	2022			x	
ND: Engineering: Mechanical	Steve Biko	3	1991	2019			x	

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# 3.8 Nelson Mandela University

Qualification:	National Diploma: Engineering
Abbreviation:	ND: Engineering
Note:	As from 2004, formerly Port Elizabeth Technikon
	As from 2017, formerly Nelson Mandela Metropolitan University

Qualification and	Duration	tion Accreditation Period		Accreditation Visit Type		
Branch	Year	From	То	Interim	Final	Regular
ND: Engineering: Civil	3	1991	2019			x
ND: Engineering: Electrical	3	1991	2019			x
ND: Engineering: Industrial	3	1991	2019			x
ND: Engineering: Mechanical	3	1991	2019			x
ND: Engineering: Metallurgy	3	1991	2000			Discont.

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# 3.9 Cape Peninsula University of Technology

Qualification:National Diploma: EngineeringAbbreviation:ND: EngineeringNote:Formed by the merger of Cape Technikon and Peninsula Technikon in 2005

Qualification and Branch	Delivery Site	Duration		ditation riod	Accre	ditation V	isit Type
		Year	From	То	Interim	Final	Regular
ND: Engineering: Civil	Cape Town	3	1991	2018			Phasing out
ND: Engineering: Civil	Bellville	3	1991	2020			x
ND: Engineering: Chemical	Cape Town	3	2002	2018			Phasing out
ND: Engineering: Chemical	Bellville	3	1991	2018			Phasing out
ND: Engineering: Computer Systems	Cape Town	3	1991	2020			x
ND: Engineering: Electrical	Cape Town	3	1991	2020			x
ND: Engineering: Electrical	Bellville	3	1991	2020			x
ND: Engineering: Industrial Engineering	Cape Town	3	1991	2020			x
ND: Engineering: Industrial Engineering	Bellville	3	2002	2020			x
ND: Engineering: Mechanical	Cape Town	3	1991	2020			x
ND: Engineering: Mechanical	Bellville	3	1991	2020			x
ND: Engineering: Mechatronics	Bellville & Saldanha	3	2012	2020			x

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#### 3.10 Walter Sisulu University

Qualification: National Diploma: EngineeringAbbreviation: ND: EngineeringNote:Formed by the merger of Eastern Cape Technikon & Border Technikon in 2005

Qualification and Delivery		Duration	Accredita Period	ation	Accredita	tion Visit T	уре
Branch	Site	Year	From	То	Interim	Final	Regular
ND: Engineering: Civil	Chilselhurst	3	1996	2005*			Discont.
ND: Engineering: Civil	Ibika	3	1996	2005*			Discont.
ND: Engineering: Civil	Ibika	3	2006	2018			Phasing out
ND: Engineering: Civil	College Street	3	2005	2018			Phasing out
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	2018			Phasing out
ND: Engineering: Electrical	College Street	3	2000	2018			Phasing out
ND: Engineering: Mechanical	Chilselhurst	3	1996	2019			X
ND: Engineering: Mechanical	Ibika	3	1996	2019			X
ND: Engineering: Mechanical	College Street	3	2004	2009*			Discont.
*Up to end of 30 Ju	ine 2005						

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# 4. 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
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

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Revision - 22	31 Ma	y 2019	Updating stat	tus of VUT, TUT, UJ and D	UT Executive: Regulatory Function

The List for:

# Diplomas Accredited as Meeting the Educational Requirement for Registration as a Candidate and Professional Engineering Technician

Revision 20 dated 31 May 2019 and consisting of 16 pages has been reviewed for adequacy by the Business Unit Manager and is approved by the Executive: Regulatory Functions

Hunght

Business Unit Manager

Executive: Regulatory Functions

.....31 May 2019...... Date

.....3 June 2019..... Date

The definitive version of this policy is available on our website.

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