


<b>ENGINEERING COUNCIL OF SOUTH AFRICA</b> <i>Standards and Procedures System</i>			 <b>E C S A</b>
<b>Diplomas Accredited as Meeting the Educational Requirement for Registration as a Candidate and Professional Engineering Technician</b>			
<b>Status: Approved by Technology Programme Accreditation Committee</b>			
<b>Document : E-20-PN</b>	<b>Rev- 20</b>	<b>18 January 2018</b>	

## 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. 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 a 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 degree. 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.

**Lists for the various universities of technology are found in the Sections shown.**

<b>University of Technology</b>	<b>List</b>
<b>Vaal University of Technology</b> (as from 2004, formerly Vaal Triangle Technikon)	3.1
<b>Tshwane University of Technology</b> (formed by the merger of Northern Gauteng and Pretoria Technikon in 2004)	3.2
<b>UNISA</b> (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
<b>Mangosuthu University of Technology</b> (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
<b>Nelson Mandela Metropolitan University</b> (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 & 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 for 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.

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: [www.ieagrements.org](http://www.ieagrements.org)

## 3. Degree 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

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

Degree and Branch	Site of Delivery	Duration	Accredited		Next Regular Visit
		Year	From	To	
ND: Engineering: Chemical	Vanderbijl	3	1991	2020	2020
ND: Engineering: Chemical	Secunda	3	2010*	2020	2020
ND: Engineering: Civil	Vanderbijl	3	1991	2020	2020
ND: Engineering: Electrical	Vanderbijl	3	1991	2020	2020
ND: Engineering: Electrical	Secunda	3	2010*	2018	2018
ND: Engineering: Computer Systems	Vanderbijl	3	2003	2020	2020
ND: Engineering: Industrial	Vanderbijl	3	1996	2020	2020
ND: Engineering: Mechanical	Vanderbijl	3	1991	2020	2020
ND: Engineering: Metallurgical	Vanderbijl	3	1991	2020	2020

\* From August 2010

### 3.2 Tshwane University of Technology

**Degree:** National Diploma: Engineering

**Abbreviation:** ND: Engineering

**Note:** Formed by the merger of Northern Gauteng and Pretoria Technikon in 2004.

Degree and Branch	Site of Delivery	Duration Year	Accredited		Next Regular Visit
			From	To	
ND: Engineering: Chemical	Pretoria	3	1991	2021	2021
ND: Engineering: Chemical	Soshanguve	3	1991	2009	
ND: Engineering: Chemical	Soshanguve	3	2004	2009	
ND: Engineering: Metallurgical	Pretoria	3	1991	2021	2021
ND: Engineering: Civil	Pretoria	3	1991	2021	2021
ND: Engineering: Civil	Soshanguve	3	1991	2009	
ND: Engineering: Electrical	Pretoria	3	1991	2018	2018
ND: Engineering: Electrical: Clinical	Pretoria	3	1991	2013	2013
ND: Engineering: Electrical: Computer Systems	Pretoria	3	2005	Dec 2008	
ND: Engineering: Electrical: Computer Systems	Soshanguve	3	2009	2021	2021
ND: Engineering: Electrical: Digital Technology	Pretoria	3	1991	2010	2013
ND: Engineering: Electrical: Electronic	Pretoria	3	1991	2010	2013
ND: Engineering: Electrical: High Frequency Technology	Pretoria	3	1991	2010	2013
ND: Engineering: Electrical: Power	Pretoria	3	1991	2013	2013
ND: Engineering: Electrical: Process Instrumentation	Pretoria	3	1991	2013	2013
ND: Engineering: Electrical	Soshanguve	3	1991	2010	
ND: Engineering: Electrical: Autotronics	Soshanguve	3	1991	2010	
ND: Engineering: Electrical: Electronic	Soshanguve	3	1991	2010	
ND: Engineering: Electrical: Power	Soshanguve	3	1991	2010	
ND: Engineering: Electrical: Telecommunications	Soshanguve	3	1991	2010	
ND: Engineering: Electrical	Nelspruit		2005	2011	
ND: Engineering: Electrical	eMalahleni	3	2008	2018	2018
ND: Engineering: Industrial	Pretoria	3	1991	2021	2021
ND: Engineering: Mechanical	Pretoria	3	1991	2021	2021
ND: Engineering: Mechanical: Manufacturing	Pretoria	3	1991	2013	2013
ND: Engineering: Mechanical: Mechatronics Design	Pretoria	3	1991	2013	2013
ND: Engineering: Mechatronics	Pretoria	3	1991	2021	2021
ND: Engineering: Mechanical	Soshanguve	3	1991	2009	
ND: Engineering: Mechanical: Automotive	Soshanguve	3	1991	2009	
ND: Engineering: Mechanical: Component Manufacturing	Soshanguve	3	1991	2009	

### 3.3 UNISA

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

Degree and Branch	Duration Year	Accredited		Next Regula r
		From	To	
ND: Engineering: Chemical	3	2000	2019	2019
ND: Engineering: Civil	3	2000	2019	2019
ND: Engineering: Electrical	3	2000	2019	2019
ND: Engineering: Electrical: Power Engineering	3	2000	2019	2019
ND: Engineering: Electrical: Telecommunications	3	2000	2019	2019
ND: Engineering: Electrical: Computer Systems	3	2000	2019	2019
ND: Engineering: Electrical: Process Instrumentation	3	2000	2019	2019
ND: Engineering: Electrical: Clinical Engineering	3	2000	2019	2019
ND: Engineering: Electrical: Mechatronics	3	2000	2019	2019
ND: Engineering: Industrial	3	2000	2019	2019
ND: Engineering: Mechanical	3	2000	2019	2019
ND: Engineering: Mining	3	2000	2019	2019
ND: Engineering: Coal Mining	3	2000	2015	2015
ND: Engineering: Mining (Metalliferous)	3	2000	2015	2015
ND: Engineering: Surface Mining	3	2000	2019	2019
* end February 2015				

### 3.4 University of Johannesburg

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

Degree and Branch	Site of Delivery	Duration Year	Accredited		Next Regular Visit
			From	To	
ND: Engineering: Civil	Doornfontein	3	1991	Dec 2018	2018
ND: Engineering: Chemical	Doornfontein	3	1991	2020	2020
ND: Engineering: Computer Systems	Doornfontein	3	2002	Dec 2018	2018
ND: Engineering: Electrical	Doornfontein	3	1991	Dec 2018	2018
ND: Engineering: Industrial	Doornfontein	3	1991	2020	2020
ND: Engineering: Mechanical	Doornfontein	3	1991	2020	2020
ND: Engineering: Metallurgical	Doornfontein	3	1991	2020	2020
ND: Engineering: Extraction Metallurgy	Doornfontein	3	1991	2020	2020
ND: Engineering: Mining	Doornfontein	3	2002	2020	2020

### 3.5 Central University of Technology, Free State

**Degree:** National Diploma: Engineering

**Abbreviation:** ND: Engineering

**Note:** As from 2004, formerly Free State Technikon, formerly Technikon Orange Free State

Degree and Branch	Duration	Accredited		Next Regular Visit
	Year	From	To	
ND: Engineering: Civil	3	1991	2018	2018
ND: Engineering: Electrical	3	1991	2021	2021
ND: Engineering: Computer Systems	3	2004	2021	2021
ND: Engineering: Mechanical	3	1991	2021	2021

### 3.6 Mangosuthu University of Technology

**Degree:** National Diploma: Engineering

**Abbreviation:** ND: Engineering

**Note:** As from 2004, formerly Mangosuthu Technikon

Degree and Branch	Duration	Accredited		Next Regular Visit
	Year	From	To	
ND: Engineering: Civil	3	1991	2018	2018
ND: Engineering: Chemical	3	1991	2021	2021
ND: Engineering: Electrical	3	1991	2018	2018
ND: Engineering: Mechanical	3	1996	2021	2021

### 3.7 Durban University of Technology

**Degree:** 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

Degree and Branch	Site of Delivery	Duration	Accredited		Next Regular Visit
		Year	From	To	
ND: Engineering: Civil	Steve Biko	3	1991	2018	2018
ND: Engineering: Civil	Indumiso	3	2001	2018	2018
ND: Engineering: Chemical	Steve Biko	3	1991	2018	2018
ND: Engineering: Computer Systems	Steve Biko	3	1991	2014	2018
ND: Engineering: Electrical (Heavy Current)	Steve Biko	3	1991	2018	2018
ND: Engineering: Electrical (Light Current)	Steve Biko	3	1991	2018	2018
ND: Engineering: Industrial	Steve Biko	3	1996	2018	2018
ND: Engineering: Mechanical	Steve Biko	3	1991	2018	2018

### 3.8 Nelson Mandela Metropolitan University

**Degree:** National Diploma: Engineering

**Abbreviation:** ND: Engineering

**Note:** As from 2004, formerly Port Elizabeth Technikon

Degree and Branch	Duration	Accredited		Next Regular Visit
	Year	From	To	
ND: Engineering: Civil	3	1991	2019	2019
ND: Engineering: Electrical	3	1991	2019	2019
ND: Engineering: Industrial	3	1991	2019	2019
ND: Engineering: Mechanical	3	1991	2019	2019
ND: Engineering: Metallurgical	3	1991	2000	

### 3.9 Cape Peninsula University of Technology

**Degree:** National Diploma: Engineering

**Abbreviation:** ND: Engineering

**Note:** Formed by the merger of Cape Technikon and Peninsula Technikon in 2005

Degree, Branch & Site of Delivery	Site of Delivery	Duration	Accredited		Next Regular Visit
		Year	From	To	
ND: Engineering: Civil	Cape Town	3	1991	2020	2020
ND: Engineering: Civil	Bellville	3	1991	2020	2020
ND: Engineering: Chemical	Cape Town	3	1991	2020	2020
ND: Engineering: Chemical	Bellville	3	1996	2020	2020
ND: Engineering: Computer Systems	Cape Town	3	2004	2020	2020
ND: Engineering: Electrical	Cape Town	3	1991	2020	2020
ND: Engineering: Electrical	Bellville	3	1991	2020	2020
ND: Engineering: Industrial Engineering	Cape Town	3	1991	2020	2020
ND: Engineering: Industrial Engineering	Bellville	3	1991	2020	2020
ND: Engineering: Mechanical	Cape Town	3	1991	2020	2020
ND: Engineering: Mechanical	Bellville	3	1991	2020	2020
ND: Engineering: Mechatronics	Bellville & Saldanha	3	2012	2020	2020

### 3.10 Walter Sisulu University

**Degree:** National Diploma: Engineering

**Abbreviation:** ND: Engineering

**Note:** Formed by the merger of Eastern Cape Technikon & Border Technikon in 2005

Degree, Branch	Site of Delivery	Duration	Accredited		Next Regular Visit
		Year	From	To	
ND: Engineering: Civil	Chilselhurst	3	1996	2005*	
ND: Engineering: Civil	Ibika	3	1996	2005*	
ND: Engineering: Civil	Ibika	3	2006	30 June 2018	2018
ND: Engineering: Civil	College Street	3	2005	30 June 2018	2018
ND: Engineering: Electrical	Chilselhurst	3	1996	2005*	
ND: Engineering: Electrical	Chilselhurst	3	2006	2007	
ND: Engineering: Electrical	Ibika	3	1996	2005*	
ND: Engineering: Electrical	Ibika	3	2006	30 June 2018	2018
ND: Engineering: Electrical	College Street	3	2000	30 June 2018	2018
ND: Engineering: Mechanical	Chilselhurst	3	1996	2019	2019
ND: Engineering: Mechanical	Ibika	3	1996	2019	2019
ND: Engineering: Mechanical	College Street	3	2004	2009*	
* Up to end 30 June					

#### 4. Revision History

Version	Date	Revision approved by	Nature of revision
Draft – 1.1	1 June 2010	TPAC	Reformatting existing list into S&P format
Rev 2	06 Dec 2010	TPAC	Updating of status: DUT, VUT & TUT
Rev 3	14 June 2011	TPAC	Updating of status: UNISA & CUT
Rev 4	02 Aug 2011	TPAC	Updating of status: DUT
Rev 5	30 Nov 2011	TPAC	Updating of status: NMMU & UJ
Rev 6	23 May 2012	TPAC	Updating of status: VUT & UNISA
Rev 7	21 Nov 2012	TPAC	Updating of status: CPUT, UJ & NMMU
Rev 8	29 April 2013	TPAC	Updating of status: UNISA, UJ & VUT
Rev 9	01 August 2013	TPAC	Updating of Status: CUT, MUT & TUT
Rev 10	29 Oct 2013	TPAC	Updating of Status: CPUT
Rev 11	06 May 2014	TPAC	Updating of Status: CUT, VUT
Rev 12	09 July 2014	TPAC	Updating of Status: MUT, TUT
Rev 13	03 Nov 2014	TPAC	Updating of Status: CPUT, DUT
Rev 14	26 May 2015	TPAC	Updating of Status: CPUT, UNISA, TUT
Rev 15	19 October 2015	TPAC	Updating of Status: DUT, NMMU
Rev 16	24 May 2016	TPAC	Updating of Status: WSU, NMMU, UNISA, VUT
Rev 17	25 Oct 2016	TPAC	Updating of Status: UJ, CPUT & WSU
Rev 18	30 March 2017	TPAC	Updating of Status: CPUT & WSU
Rev 19	4 August 2017	ASACTP	Updating of Status: VUT, CUT, MUT & NMU
Rev 20	18 January 2018	EC	Updating of Status: UJ, CPUT, TUT
<b>ECSA CONTROLLED COPY</b>		<b>Executive: Policy Development and Standards Generation</b>	_____  Date