


<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-1.1</b>	<b>06 December 2010</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 fulfills 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 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.ieagreements.org](http://www.ieagreements.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	2012	2012
ND: Engineering: Chemical	Secunda	3	2010*	2011**	2012
ND: Engineering: Civil	Vanderbijl	3	1991	2012	2012
ND: Engineering: Electrical	Vanderbijl	3	1991	2012	2012
ND: Engineering: Electrical	Secunda	3	2010*	2011**	2012
ND: Engineering: Computer Systems	Vanderbijl	3	2003	2012	2012
ND: Engineering: Industrial	Vanderbijl	3	1996	2012	2012
ND: Engineering: Mechanical	Vanderbijl	3	1991	2012	2012
ND: Engineering: Metallurgical	Vanderbijl	3	1991	2012	2012

\* From August 2010

\*\* Provisional accreditation until August 2011

### 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	Accredited		Next Regular Visit
		Year	From	To	
ND: Engineering: Chemical	Pretoria	3	1991	2013	2013

ND: Engineering: Chemical	Soshanguve	3	1991	2009	
ND: Engineering: Chemical	Soshanguve	3	2004	2009	
ND: Engineering: Metallurgical	Pretoria	3	1991	2013	2013
ND: Engineering: Civil	Pretoria	3	1991	2013	2013
ND: Engineering: Civil	Soshanguve	3	1991	2009	
ND: Engineering: Electrical	Pretoria	3	1991	2013	2013
ND: Engineering: Electrical: Clinical	Pretoria	3	1991	2013	2013
ND: Engineering: Electrical: Computer Systems	Pretoria	3	2005	Oct-10	2013
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	2013
ND: Engineering: Electrical: Autotronics	Soshanguve	3	1991	2010	2013
ND: Engineering: Electrical: Electronic	Soshanguve	3	1991	2010	2013
ND: Engineering: Electrical: Power	Soshanguve	3	1991	2010	2013
ND: Engineering: Electrical: Telecommunications	Soshanguve	3	1991	2010	2013
ND: Engineering: Electrical	Nelspruit		2005	2011	2013
ND: Engineering: Electrical	eMalahleni	3	2008	2013	2013
ND: Engineering: Industrial	Pretoria	3	1991	2013	2013
ND: Engineering: Mechanical	Pretoria	3	1991	2013	2013
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	2013	2013
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	Accredited		Next Regular Visit
	Year	From	To	
ND: Engineering: Chemical	3	2000	2011	2011
ND: Engineering: Civil	3	2000	2011	2011
ND: Engineering: Electrical	3	2000	2011	2011
ND: Engineering: Electrical: Power Engineering	3	2000	2011	2011
ND: Engineering: Electrical: Telecommunications	3	2000	2011	2011
ND: Engineering: Electrical: Computer Systems	3	2000	2011	2011
ND: Engineering: Electrical: Process Instrumentation	3	2000	2011	2011
ND: Engineering: Electrical: Clinical Engineering	3	2000	2011	2011
ND: Engineering: Electrical: Mechatronics	3	2000	2011	2011
ND: Engineering: Industrial	3	2000	2011	2011
ND: Engineering: Mechanical	3	2000	2011	2011

ND: Engineering: Mining	3	2000	2011	2011
ND: Engineering: Coal Mining	3	2000	2011	2011
ND: Engineering: Mining (Metalliferous)	3	2000	2011	2011
ND: Engineering: Surface Mining	3	2000	2011	2011

### 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	Accredited		Next Regular Visit
		Year	From	To	
ND: Engineering: Civil	Doornfontein	3	1991	2011	2011
ND: Engineering: Chemical	Doornfontein	3	1991	2011	2011
ND: Engineering: Computer Systems	Doornfontein	3	2002	2011	2011
ND: Engineering: Electrical	Doornfontein	3	1991	2011	2011
ND: Engineering: Industrial	Doornfontein	3	1991	2011	2011
ND: Engineering: Mechanical	Doornfontein	3	1991	2011	2011
ND: Engineering: Metallurgical	Doornfontein	3	1991	2011	2011
ND: Engineering: Extraction Metallurgy	Doornfontein	3	1991	2011	2011
ND: Engineering: Coal Mining	Doornfontein	3	2002	2011	2011
ND: Engineering: Metalliferous Mining	Doornfontein	3	2002	2011	2011
ND: Engineering: Mining	Doornfontein	3	2002	2011	2011
ND: Engineering: Coal Mining	Doornfontein	3	2002	2011	2011

### 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	Jun-11*	2013
ND: Engineering: Electrical	3	1991	2013	2013
ND: Engineering: Computer Systems	3	2004	2013	2013
ND: Engineering: Mechanical	3	1991	2013	2013
* Up to end June				

### 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	Jun-11	2013
ND: Engineering: Chemical	3	1991	2013	2013
ND: Engineering: Electrical	3	1991	Jun-11	2013

ND: Engineering: Mechanical	3	1996	2013	2013
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### 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	2011	2015
ND: Engineering: Civil	Indumiso	3	2001	2011	2015
ND: Engineering: Chemical	Steve Biko	3	1991	2015	2015
ND: Engineering: Electrical (Power)	Steve Biko	3	1991	2015	2015
ND: Engineering: Electrical (Light Current & Computer Systems)	Steve Biko	3	1991	2015	2015
ND: Engineering: Industrial	Steve Biko	3	1996	2015	2015
ND: Engineering: Mechanical	Steve Biko	3	1991	2015	2015

### 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	2011	2011
ND: Engineering: Electrical	3	1991	2011	2011
ND: Engineering: Industrial	3	1991	2011	2011
ND: Engineering: Mechanical	3	1991	2011	2011
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	2012	2012
ND: Engineering: Civil	Bellville	3	1991	2012	2012
ND: Engineering: Chemical	Cape Town	3	1991	2012	2012
ND: Engineering: Chemical	Bellville	3	1996	2012	2012
ND: Engineering: Computer Systems	Cape Town	3	2004	2012	2012
ND: Engineering: Electrical	Cape Town	3	1991	2012	2012
ND: Engineering: Electrical	Bellville	3	1991	2012	2012
ND: Engineering: Industrial Engineering	Cape Town	3	1991	2012	2012
ND: Engineering: Mechanical	Cape Town	3	1991	2012	2012
ND: Engineering: Mechanical	Bellville	3	1991	2012	2012

### 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	2014	2014
ND: Engineering: Civil	College Street	3	2005	2011*	2014
ND: Engineering: Electrical	Chilselhurst	3	1996	2005*	
ND: Engineering: Electrical	Chilselhurst	3	2006	2007	2014
ND: Engineering: Electrical	Ibika	3	1996	2005*	
ND: Engineering: Electrical	Ibika	3	2006	2011*	2014
ND: Engineering: Electrical	College Street	3	2000	2011*	2014
ND: Engineering: Mechanical	Chilselhurst	3	1996	2014	2014
ND: Engineering: Mechanical	Ibika	3	1996	2014	2014
ND: Engineering: Mechanical	College Street	3	2004	2009	
* Up to end June					

## 4. Revision History

Version	Date	Revision approved by	Nature of revision
Draft – 1.1	1 June 2010		Reformatting existing list into S&P format
	06 December 2010		Updating of status: DUT, VUT & TUT