



# ENSURING THE EXPERTISE TO GROW SOUTH AFRICA

**Degrees Accredited as Meeting the  
Educational Requirement for Registration  
as a Candidate or Professional  
Engineering Technologist**


**E-20-PT**

**REVISION 30: 13 May 2021**

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<b>Compiler:</b> T Dhlamini	<b>Approving Officer:</b> Ms Carmen Wright	<b>Next Review Date:</b> After the next approval meeting	Page 1 of 17

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## 1. Purpose


The graduates of the qualification programmes listed here belonging to that graduating class of the years shown against each programme have satisfied the educational requirement toward registration as a Candidate Engineering Technologist or Professional Engineering Technologist 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. Where a programme is being phased out or is discontinued the accreditation period is extended by no more than 24 months.
5. The accredited degree fulfils only the educational requirement toward registration as Candidate Engineering Technologist or Professional Engineering Technologist: further training and experience is required for professional registration.
6. ECSA Council commenced accreditation of technology qualifications in 1991. The year of the next regular evaluation visit (next general review) is shown against programmes that are currently offered.
7. Provisional Accreditation may be granted to a new degree 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.
8. 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.**

<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 Technikon 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 2001, formerly Mangosuthu Technikon)	3.6
<b>Durban University of Technology</b> (as from 2005, formerly Durban Institute of Technology, formed by merger of ML Sultan Technikon and Technikon Natal in 2001)	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 and Border Technikon in 2005)	3.10

## **2.1 Sydney 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 Technologist in South Africa. International recognition of these programmes is provided through the Sydney Accord, which was signed in 2001.

Signatories to the Sydney Accord have undertaken to make every reasonable effort to ensure that the bodies responsible for registering or licensing engineering technologists 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 Sydney Accord and other signatories are under no formal obligation to recognise the graduates of accredited programmes prior to 2001. Individual Accord signatories recognise accredited programmes gained prior to 2002 at their own discretion.

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Further details about the Sydney 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 Technologist as a result of an accreditation visit

#### 3.1 Vaal University of Technology

**Degree:** Bachelor of Technology: Engineering

**Abbreviation:** BTech: Engineering


**Note:** As from 2004, formerly Vaal Triangle Technikon

Degree and Branch	Site of Delivery	Duration Year	Accreditation Period		Accreditation Visit Type		
			From	To	Interim	Final	Regular
B Tech: Engineering: Chemical	Vanderbijl	1	1996	2021			x
B Tech: Engineering: Chemical	Secunda	1	2010*	2021			x
B Tech: Engineering: Civil: Structural	Vanderbijl	1	2004	2004**			Discont.
B Tech: Engineering: Civil: Structural	Vanderbijl	1	2012	2021			x
B Tech: Engineering: Civil: Transportation	Vanderbijl	1	2004	2021			x
B Tech: Engineering: Civil: Urban	Vanderbijl	1	2004	2021			x
B Tech: Engineering: Civil: Water	Vanderbijl	1	2012	2021			x
B Tech: Engineering: Electrical	Vanderbijl	1	1996	2021			x
B Tech: Engineering: Electrical	Secunda	1	2010	2013***			Discont.
B Tech: Engineering: Industrial	Vanderbijl	1	1996	2021			x
B Tech: Engineering: Mechanical	Vanderbijl	1	1996	2021			x
B Tech: Engineering: Metallurgical	Vanderbijl	1	1996	2021			x
** No student intake since 2005							
*** Qualification phased out March 2013							

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### 3.2 Tshwane University of Technology

**Degree:** Bachelor of Technology in Engineering & Bachelor of Engineering Technology


**Abbreviation:** BTech: Engineering & BEng Tech

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

Degree and Branch	Site of Delivery	Duration Year	Accreditation Period		Accreditation Visit Type		
			From	To	Interim	Final	Regular
B Tech: Engineering: Chemical	Pretoria	1	2002	2023			x
B Tech: Engineering: Chemical	Soshanguve	1	1991	2009			Discont.
B Tech: Engineering: Civil: Construction Management	Pretoria	1	1991	2023			x
B Tech: Engineering: Civil: Environmental	Pretoria	1	1991	2023			x
B Tech: Engineering: Civil: Geotechnical	Pretoria	1	1991	2023			x
B Tech: Engineering: Civil: Structural	Pretoria	1	1991	2023			x
B Tech: Engineering: Civil: Transportation	Pretoria	1	1991	2023			x
B Tech: Engineering: Civil: Urban	Pretoria	1	1991	2023			x
B Tech: Engineering: Civil: Water	Pretoria	1	1991	2023			x
B Tech: Engineering: Electrical	Pretoria	1	1996	2023			x
B Tech: Engineering: Electrical: Clinical	Pretoria	1	1996	2013			Discont.
B Tech: Engineering: Electrical: Digital Technology	Pretoria	1	1996	2013			Discont.
B Tech: Engineering: Electrical: Electronic	Pretoria	1	1996	2013			Discont.
B Tech: Engineering: Electrical: High Frequency Technology	Pretoria	1	1996	2013			Discont.
B Tech: Engineering: Electrical: Power	Pretoria	1	1996	2013			Discont.

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Degree and Branch	Site of Delivery	Duration Year	Accreditation Period		Accreditation Visit Type		
			From	To	Interim	Final	Regular
B Tech: Engineering: Electrical: Process Instrumentation	Pretoria	1	1996	2013			Discont.
B Tech: Engineering: Electrical	Soshanguve	1	2000	2009			Discont.
B Tech: Engineering: Electrical: Autotronics	Soshanguve	1	2000	2009			Discont.
B Tech: Engineering: Electrical: Electronic	Soshanguve	1	2000	2009			Discont.
B Tech: Engineering: Electrical: Power	Soshanguve	1	2000	2009			Discont.
B Tech: Engineering: Electrical: Telecommunications	Soshanguve	1	2000	2009			Discont.
B Tech: Engineering: Electrical	eMalahleni	1	2008	2023			x
B Tech: Engineering: Industrial	Pretoria	1	1996	2023			x
B Tech: Engineering: Mechanical	Pretoria	1	1996	2023			x
B Tech: Engineering: Mechanical: Mechatronics	Pretoria	1	1996	2023			x
B Tech: Engineering: Metallurgical	Pretoria	1	1996	2023			x
B Eng Technology in Civil Engineering	Pretoria	3	2019	2023			x
B Eng Technology in Mechanical Engineering	Pretoria	3	2019	2023			x
B Eng Technology in Mechatronics Engineering	Pretoria	3	2019	2023			x
B Tech: Polymer Technology	Pretoria	1	2020	2023			x

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### 3.3 UNISA

**Degree:** Bachelor of Technology: Engineering

**Abbreviation:** BTech: Engineering


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

Degree and Branch	Duration Year	Accreditation Period		Accreditation Visit Type		
		From	To	Interim	Final	Regular
B Tech: Engineering: Chemical (Environmental)	1	2006	2023			x
B Tech: Engineering: Chemical	1	2000	2023			x
B Tech: Engineering: Civil: Construction Management	1	2000	2016			Discont.
B Tech: Engineering: Civil: Environmental	1	2006	2023			x
B Tech: Engineering: Civil: Structural	1	2000	2023			x
B Tech: Engineering: Civil: Transportation	1	2000	2019			x
B Tech: Engineering: Civil: Urban	1	2000	2023			x
B Tech: Engineering: Civil: Water	1	2000	2023			x
B Tech: Engineering: Electrical	1	2000	2023			x
B Tech: Engineering: Electrical: Power Engineering	1	2000	2019			x
B Tech: Engineering: Electrical: Telecommunications	1	2000	2019			x
B Tech: Engineering: Electrical: Computer Systems	1	2000	2019			x
B Tech: Engineering: Electrical: Process Instrumentation	1	2000	2019			x
B Tech: Engineering: Electrical: Clinical Engineering	1	2000	2019			x
B Tech: Engineering: Industrial	1	2000	2023			x
B Tech: Engineering: Mechanical	1	2000	2023			x
<b>* end March 2015</b> <b>** end 2008</b> <b>*** 2016 programme discontinued</b>						

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### 3.4 University of Johannesburg

**Degree:** Bachelor of Technology in Engineering & Bachelor of Engineering Technology


**Abbreviation:** B Tech: Engineering & B Eng Tech

**Note:** Formed by the merger of Technikon Witwatersrand and Rand Afrikaans University (RAU) in 2005)

Degree and Branch	Site of Delivery	Duration Year	Accreditation Period		Accreditation Visit Type		
			From	To	Interim	Final	Regular
B Tech: Engineering: Civil: Construction Management	Doornfontein	1	2000	2022			Phasing out
B Tech: Engineering: Civil: Environmental	Doornfontein	1	2004	2006			Discont.
B Tech: Engineering: Civil: Geotechnical	Doornfontein	1	2000	2007			Discont.
B Tech: Engineering: Civil: Structural	Doornfontein	1	2000	2022			Phasing out
B Tech: Engineering: Civil: Transportation	Doornfontein	1	2000	2022			Phasing out
B Tech: Engineering: Civil: Urban	Doornfontein	1	2000	2022			Phasing out
B Tech: Engineering: Civil: Water	Doornfontein	1	2000	2022			Phasing out
B Tech: Engineering: Chemical	Doornfontein	1	1996	2022			Phasing out
B Tech: Engineering: Electrical	Doornfontein	1	1996	2022			Phasing out
B Tech: Engineering: Industrial	Doornfontein	1	1996	2022			Phasing out
B Tech: Engineering: Mechanical	Doornfontein	1	1996	2022			Phasing out
B Tech: Engineering: Metallurgy	Doornfontein	1	1996	2022			Phasing out
B Tech: Engineering: Extraction Metallurgy	Doornfontein	1	1996	2022			Phasing out

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B Tech: Engineering: Mining	Doornfontein	1	2002	2022				<b>Phasing out</b>
Bachelor of Engineering Technology in Civil Engineering	Doornfontein	3	2018	2022				<b>Phasing out</b>
Degree and Branch	Site of Delivery	Duration Year	Accreditation Period		Accreditation Visit Type			
			From	To	Interim	Final	Regular	
Bachelor of Engineering Technology in Chemical Engineering	Doornfontein	3	2018	2022				<b>Phasing out</b>
Bachelor of Engineering Technology in Electrical Engineering	Doornfontein	3	2018	2022				<b>Phasing out</b>
Bachelor of Engineering Technology in Industrial Engineering	Doornfontein	3	2018	2022				<b>Phasing out</b>
Bachelor of Engineering Technology in Mechanical Engineering	Doornfontein	3	2018	2022				<b>Phasing out</b>
Bachelor of Engineering Technology in Extraction Metallurgy Engineering	Doornfontein	3	2018	2022				<b>Phasing out</b>
Bachelor of Engineering Technology in Physical Metallurgy Engineering	Doornfontein	3	2018	2022				<b>Phasing out</b>
Bachelor of Engineering Technology in Mining Engineering	Doornfontein	3	2018	2022				<b>Phasing out</b>

### 3.5 Central University of Technology, Free State


**Degree:** Bachelor of Technology: Engineering & Bachelor of Engineering Technology

**Abbreviation:** B Tech: Engineering & B Eng Tech

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

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Degree and Branch	Duration Year	Accreditation Period		Accreditation Visit Type		
		From	To	Interim	Final	Regular
B Tech: Engineering: Civil: Transportation	1	1996	2021			x
B Tech: Engineering: Civil: Urban	1	1996	2021			x
B Tech: Engineering: Civil: Water	1	1996	2021			x
B Tech: Engineering: Electrical	1	1996	2021			x
B Tech: Engineering: Mechanical	1	1996	2021			x
Bachelor of Engineering Technology in Civil Engineering	3	2019	2021			x
Bachelor of Engineering Technology in Electrical Engineering	3	2019	2021			x
Bachelor of Engineering Technology in Mechanical Engineering	3	2019	2021			x
<b>*Until April 2014</b>						

### 3.6 Mangosuthu University of Technology

**Degree:** Bachelor of Technology: Engineering


**Abbreviation:** B Tech: Engineering

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

Degree and Branch	Duration Year	Accreditation Period		Accreditation Visit Type		
		From	To	Interim	Final	Regular
B Tech: Engineering: Chemical	1	1996	2021			x

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### 3.7 Durban University of Technology

**Degree:** Bachelor of Technology: Engineering & Bachelor of Engineering Technology


**Abbreviation:** BTech: Engineering & B Eng Tech

**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 Year	Accreditation Period		Accreditation Visit Type		
			From	To	Interim	Final	Regular
B Tech: Engineering: Civil: Construction Management	Steve Biko	1	1996	2022			X
B Tech: Engineering: Civil: Structures	Steve Biko	1	1996	2022			X
B Tech: Engineering: Civil: Transportation	Steve Biko	1	1996	2022			X
B Tech: Engineering: Civil: Urban	Steve Biko	1	1996	2022			X
B Tech: Engineering: Civil: Water	Steve Biko	1	1996	2022			X
B Tech: Engineering: Civil: Construction Management	Indumiso	1	2010*	2022			X
B Tech: Engineering: Civil: Transportation	Indumiso	1	2010*	2022			X
B Tech: Engineering: Civil: Urban	Indumiso	1	2010*	2022			X
B Tech: Engineering: Civil: Water	Indumiso	1	2010*	2022			X
B Tech: Engineering: Chemical	Steve Biko	1	1996	2022			X
B Tech: Engineering: Electrical: Heavy Current	Steve Biko	1	1996	2022			X
B Tech: Engineering: Electrical: Light Current	Steve Biko	1	1996	2022			X
B Tech: Engineering: Industrial	Steve Biko	1	2000	2022			X
B Tech: Engineering: Mechanical	Steve Biko	1	1996	2022			X
BEng Technology in Chemical	Steve Biko	3	2019	2021			X
BEng Technology in Civil	Steve Biko	3	2019	2021			X

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BEng Technology in Electronic	Steve Biko	3	2019	2021			X
BEng Technology in Electrical Power Engineering	Steve Biko	3	2019	2021			X
Bachelor of Engineering Technology: industrial	Indumiso	3	2019	2021			X
BEng Technology in Mechanical	Indumiso	3	2019	2021			x

### 3.8 Nelson Mandela University

**Degree:** Bachelor of Technology: Engineering & Bachelor of Engineering Technology

**Abbreviation:** BTech: Engineering & B Eng Tech

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


**As from 2017, formerly Nelson Mandela Metropolitan University**

Degree and Branch	Duration Year	Accreditation Period		Accreditation Visit Type		
		From	To	Interim	Final	Regular
B Tech: Engineering: Civil: Environmental	1	2000	2003			<b>Discont.</b>
B Tech: Engineering: Civil: Transportation	1	2000	2021	x		
B Tech: Engineering: Civil: Urban	1	2000	2021	x		
B Tech: Engineering: Civil: Water	1	2000	2003			<b>Discont.</b>
B Tech: Engineering: Electrical	1	1996	2023			x
B Tech: Engineering: Industrial	1	1996	2023			x
B Tech: Engineering: Mechanical	1	1996	2023			x
BEng Technology in Civil Engineering	3	2019	2021			X
BEng Technology in Electrical Engineering	3	2019	2021			X

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BEng Technology in Industrial Engineering	3	2019	2021			X
BEng Technology in Mechanical Engineering	3	2019	2021			X
BEng Technology in Marine Engineering	3	2019	2021			x

### 3.9 Cape Peninsula University of Technology

**Degree:** Bachelor of Technology: Engineering & Bachelor of Engineering Technology


**Abbreviation:** BTech: Engineering & B Eng Tech

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

Degree and Branch	Delivery Site	Duration Year	Accreditation Period		Accreditation Visit Type		
			From	To	Interim	Final	Regular
B Tech: Engineering: Civil: Construction Management	Cape Town	1	1996	2021			x
B Tech: Engineering: Civil: Structural	Cape Town	1	1996	2012*			Discont.
B Tech: Engineering: Civil: Urban	Cape Town	1	1996	2021			x
B Tech: Engineering: Civil: Construction Management	Bellville	1	1996	2021			x
B Tech: Engineering: Civil: Structural	Bellville	1	1996	2012*			Discont.
B Tech: Engineering: Civil: Transport	Bellville	1	1996	2021			x
B Tech: Engineering: Civil: Water	Bellville	1	1996	2021			x
B Tech: Engineering: Civil: Urban	Bellville	1	1996	2021			x
B Tech: Engineering: Chemical	Cape Town	1	1996	2021			x
B Tech: Engineering: Chemical	Bellville	1	1996	2021			x
B Tech: Engineering: Electrical	Cape Town	1	1996	2021			x

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<b>Subject: Degrees Accredited as Meeting the Educational Requirement for Registration as a Candidate or Professional Engineering Technologist</b>			
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B Tech: Engineering: Electrical	Bellville	1	1996	2021			<b>x</b>
B Tech: Engineering: Industrial	Cape Town	1	1991	2012			<b>Discont.</b>
B Tech: Engineering: Industrial	Bellville	1	1991	2021			<b>x</b>
B Tech: Engineering: Mechanical	Cape Town	1	1996	2021			<b>x</b>
B Tech: Engineering: Mechanical	Bellville	1	1996	2021			<b>x</b>
B Tech: Engineering: Mechatronics	Bellville	1	2012	2021			<b>x</b>
<b>** Accreditation withdrawn as of 31 Dec 2012</b>							

### 3.10 Walter Sisulu University

**Degree:** Bachelor of Technology: Engineering


**Abbreviation:** BTech: Engineering

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

Degree and Branch	Delivery Site	Duration Year	Accreditation Period		Accreditation Visit Type		
			From	To	Interim	Final	Regular
B Tech: Engineering: Civil: Water	College Street	1	2004	2023			<b>x</b>
B Tech: Engineering: Civil: Transport	College Street	1	2004	2023			<b>x</b>
B Tech: Engineering: Electrical	College Street	1	2012	2023			<b>x</b>
B Tech: Engineering: Mechanical	Chilselhurst	1	2002	2023			<b>x</b>
B Tech: Engineering: Mechanical	Ibika	1	2002	2005*			<b>Discont.</b>
<b>*Offered until 2005</b>							

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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 uniform format	TPAC
Revision - 2	06 Dec 2010	Updating of status of progs: DUT, VUT & TUT	TPAC
Revision - 3	29 April 2011	Corrections made to DUT BTech Civil (Indumiso Campus)	TPAC
Revision - 4	14 June 2011	Updating status of progs: UNISA & CUT	TPAC
Revision - 5	02 August 2011	Updating status of progs: DUT	TPAC
Revision - 6	30 Nov 2011	Updating status of progs: MUT, VUT, WSU, TUT, UJ, NMMU	TPAC
Revision - 7	23 May 2012	Updating status of VUT & UNISA	TPAC
Revision - 8	21 Nov 2012	Updating of status: CPUT, UJ, NMMU & WSU	TPAC
Revision - 9	29 April 2013	Updating of status: UNISA, UJ & VUT	TPAC
Revision - 10	01 August 2013	Updating of Status: CUT, MUT & TUT	TPAC
Revision - 11	29 Oct 2013	Updating of Status: CPUT	TPAC
Revision - 12	06 May 2014	Updating of Status: CUT, VUT	TPAC
Revision - 13	09 July 2014	Updating of Status: TUT	TPAC
Revision - 14	03 Nov 2014	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

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Revision Number	Revision Date	Revision Details	Approved By
Revision - 19	4 August 2017	Updating of Status: VUT, CUT, MUT & NMU	ASACTP
Revision - 20	10 April 2018	Reformatting existing list and including different types of accreditation visits. Updating of status: TUT, UJ & CPUT	EC
Revision - 22	31 May 2019	Updating of status: TUT, CUT and DUT	Executive: Regulatory Functions
Revision - 23	23 July 2019	Updating of status: DUT, UNISA and WSU	Executive: Regulatory Functions
Revision - 24	4 March 2020	Updating of status: WSU and NMU	Executive: Regulatory Functions
Revision - 25	01 June 2020	Updating of status: DUT	Executive: Regulatory Functions
Revision - 26	18 June 2020	Updating note 4	Executive: Regulatory Functions
Revision - 27	26 August 2020	Extension due to COVID19	Executive: Regulatory Functions
Revision - 27	26 August 2020	Adding new HEQSF qualifications	Executive: Regulatory Functions
Revision - 28	27 November 2020	All NATED programmes updated for UJ from 2021 to 2022	Executive: Regulatory Functions
Revision - 29	30 November 2020	NATED programmes updated for UJ from 2021 to 2022	Executive: Regulatory Functions
Revision - 30	13 May 2021	NATED programmes updated for TUT from 2021 to 2023	Executive: Regulatory Functions (Acting)

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The List for:

**Degrees Accredited as Meeting the Educational Requirement for Registration as a Candidate and Professional Engineering Technologist**

Revision 30 dated 13 May 2021 and consisting of 17 pages has been reviewed for adequacy by the Business Unit Manager and is approved by the Executive: Regulatory Functions



Assistant Business Unit Manager

13/05/2021  
Date



.....  
Executive: **Regulatory Functions** (Acting)

13/05/2021  
Date

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

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