ENGINEERING COUNCIL OF SOUTH AFRICA

E C S A

Degrees Accredited as Meeting the Educational Requirement for Registration as a Candidate or Professional Engineer

E-20-PE

REVISION 33: 21 February 2025 Disclaimer: This document is subject to change, please do not file or print

> ENGINEERING COUNCIL OF SOUTH AFRICA Tel: 011 607 9500 | Fax: 011 622 9295 Email: engineer@ecsa.co.za | Website: www.ecsa.co.za

Document No.: E-20-PE	Revision No.: 33	Effective Date: 19/11/2024	
	ity Degrees Accredited a nt for Registration as a P	s meeting the Educational rofessional Engineer	ECSA ENGINEERING COUNCL OF SOUTH APPICA
Compiled by: Manager	Approved by: Executive SS	Next Review Date: After the next approval	Page 2 of 29
Date:	Date:	meeting	
TABLE OF CONTENTS 1. PURPOSE			4
2. NOTES			4
REGISTRATION A	S A PROFESSIONAL ENG	HE EDUCATIONAL REQUIREN DINEER AS RESULT OF AN ACCE	REDITATION VISIT.
3.2 University of	of KwaZulu-Natal		7
3.3 Nelson Ma	ndela University		8
3.4 North-West	University		8
3.5 Universiteit	van Pretoria [University	of Pretoria]	9
3.6 University of	of Johannesburg (Kingsway	/ Campus, Auckland Park)	10
3.7 Universiteit	van Stellenbosch (Univers	ity of Stellenbosch)	10
3.8 University of	of the Witwatersrand, Joha	nnesburg	11
3.9 Independer	nt Institute of Education, Mo	onash South Africa (IIE MSA)	12
4. DEGREE PROGRAM	IMES ACCREDITED PRE	-UNIVERSITY MERGERS AND N	AME CHANGES 12
4.2 University of Na	tal		13
4.3 Potcheftstroom	Universiteit vir Christelike Ho	për Onderwys	14
TOWARD REGIS ACCREDITATION 5.1 University of Ca 5.3 Potchefstrooms 5.4 Universiteit van 5.5 Randse Afrikaar	TRATION AS A PRO VISITS pe Town e Universiteit vir Christelike Pretoria [University of Preto nse Universiteit [Rand Afrika	MEETING THE EDUCATIONAL FESSIONAL ENGINEER PRIC Hoer Onderw ys [University of Potch pria] aans University] Stellenbosch]	<u>DR TO FORMAL</u> 16 16 nefstroom]17 18 19
		DISCONTINUED	

Document No.: Revision No.: 33 Effective Date: 19/11/2024 Subject: University Degrees Accredited as meeting the Educational Requirement for Registration as a Professional Engineer		Revision No.: 33		
		E C S A Engineering counce, of south affica		
Compiled by Manager Date:	y:	Approved by: Executive SS Date:	Next Review Date: After the next approval meeting	Page 3 of 29
Date.		Date.	Incoming	
<u>3.1. Universit</u>	y of Cape	Town		
6.2.	University	y of KwaZulu-Natal		22
<u>6.3.</u>	North-We	est University		23
6.4.	Universite	eit van Pretoria [University	/ of Pretoria]	24
6.5	University	y of Johannesburg (Kings	way Campus, Auckland Park)	24
6.6	Universit	eit van Stellenbosch (Uni	versity of Stellenbosch)	25
6.7	University	y of the Witwatersrand, Jo	hannesburg	25
7. Revision H		Accredited as meeting the		

CONTROLLED DISCLOSURE

Document No.: E-20-PE	Revision No.: 33	Effective Date: 19/11/2024	
	versity Degrees Accredited	as meeting the Educational	E C S A
	ement for Registration as a	Professional Engineer	Engineering council of south affica
Compiled by:	Approved by:	Next Review Date:	Page 4 of 29
Manager	Executive SS	After the next approval	
Date:	Date:	meeting	

1. 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 degree programmes listed for the different Higher Education Institutions (HEIs), that they have satisfied the **educational requirement** toward registration as Professional Engineers with the Engineering Council of South Africa.

2. 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 three 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 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, degree designation and branch of the degree are stated in Afrikaans with the English equivalent in square

CONTROLLED DISCLOSURE

Document No.: E-20-PE	Revision No.: 33	Effective Date: 19/11/2024	
Subject: Uni	ECSA		
Require	LEIGINE COUNCIL OF SOUTH APPICA		
Compiled by:	Approved by:	Next Review Date:	Page 5 of 29
Manager	Executive SS	After the next approval	
Date:	Date:	meeting	5

brackets. The abbreviation is not translated.

- vi. The accredited degree fulfils only the educational requirement as the first step towards registration as Professional Engineer: further experiential requirements exist.
- vii. Washington Accord Recognition: Engineering programmes accredited by ECSA and are recognized as meeting the initial academic requirements for Professional Engineers in South Africa. International recognition of these programmes is provided through the Washington Accord, which was signed in 1989. Signatories to the Washington Accord have undertaken to make every reasonable effort to ensure that the bodies responsible or registering or licensing professional engineers to practice in its country or territory mutually recognize the substantial academic equivalence of engineering academic programmes accredited by other Accord signatories. ECSA became a signatory to the Washington Accord in 1999. Other signatories are under no formal obligation to recognize the graduates of accredited programmes prior to 1999. Individual Accord signatories recognize accredited programmes gained prior to 1999 at their own discretion.
- viii. Further details about the Washington Accord and details of all current signatories with links to all accreditation listing information can be found at: <u>www.ieagreements.org</u>
- ix. List A in section 3 includes the degree programmes accredited as a result of an accreditation visit to the HEI as per the five-year cycle.
- x. **List B** in section 4 includes degree programmes accredited as a result of an accreditation visit after institutional mergers as required by the DHET, which resulted in a name change of the institution.
- xi. **List C** in section 5 includes degree programmes of South African universities recognized prior to the commencement of formal ECSA accreditation visits.
- xii. The year of the next regular accreditation visit is recorded against programmes that are currently offered.

CONTROLLED DISCLOSURE

Document No.: E-20-PE	Revision No.: 33	Effective Date: 19/11/2024	
		as meeting the Educational	ECSA
Require	ement for Registration as a	Professional Engineer	ENGINEERING COUNCIL OF SOUTH AFRICA
Require Compiled by:	Approved by:	Professional Engineer Next Review Date:	ENGINEERING COUNCIL OF SOUTH AFFICA
	-	-	Page 6 of 29

3. ACCREDITED DEGREES MEETING THE EDUCATIONAL REQUIREMENTS TOWARD REGISTRATION AS A PROFESSIONAL ENGINEER AS RESULT OF AN ACCREDITATION VISIT.

3.1 University of Cape Town

Qualification: Bachelor of Science in Engineering

Abbreviation: BSc (Eng)

Qualification and	DurationAccreditationPeriod		Accreditation Visit Type			
Discipline		From	То	Interim	Final	Regular
BSc(Eng) (Chemical Engineering)	4	1985	2026			x
BSc (Eng) (Civil Engineering)	4	1985	2026			x
BSc (Eng) (Electrical Engineering)	4	1993	2026			x
BSc (Eng) (Mechanical Engineering)	4	1985	2026			x
BSc (Eng) (Mechatronic Engineering)	4	1997	2026			x
BSc (Eng) (Mechanical and Mechatronic	4	1991	2026			X
BSc (Eng) (Electrical and Computer Engineering)	4	2001	2026			X

CONTROLLED DISCLOSURE

Document No.: E-20-PE	Revision No.: 33	Effective Date: 19/11/2024	
	versity Degrees Accredited	as meeting the Educational	ECSA
	ement for Registration as a	Professional Engineer	DIGHEEING COURCL OF SOUTH AFRICA
Compiled by:	Approved by:	Next Review Date:	Page 7 of 29
Manager	Executive SS	After the next approval	
Date:	Date:	meeting	

3.2 University of KwaZulu-Natal

Note: The University of KwaZulu-Natal was founded in 2004 after the merger of the University of Natal and the University of Durban-Westville.

Qualification: Bachelor of Science in Engineering

Abbreviation: BSc (Eng)

Note: Programmes followed by Graduates of the years 2004 and 2005 of the former University of Durban Westville are identified by the addition of "Westville Campus".

Qualification and Branch	Duration	Accred Per		Accreo	litation Vis	it Type
	Year	From	То	Interim	Final	Regular
BSc (Eng) (Electrical)	4	2004	2029			x
BSc (Eng) (Agricultural)	4	2004	2029			x
BSc (Eng) (Chemical)	4	2004	2029			x
BSc (Eng) (Electronic)	4	2004	2029			x
BSc (Eng) (Civil)	4	2004	2029			x
BSc (Eng) (Mechanical)	4	2004	2029			x
BSc (Eng) (Computer Engineering)	4	2004	2029			X

CONTROLLED DISCLOSURE

Document No.: E-20-PE	Revision No.: 33	Effective Date: 19/11/2024	
Subject: Univ	ECSA		
Require	ment for Registration as a	Professional Engineer	ENGINEERING COUNCIL OF SOUTH AFRICA
Compiled by:	Approved by:	Next Review Date:	ENGINEERING COUNCE, OF SOUTH AFRICA
			Page 8 of 29

3.3 Nelson Mandela University

Qualification: Bachelor of Engineering **Abbreviation:** BEng

Qualification and Branch	Duration	Accreditation Period Accreditation Visit Type				Accreditation V		sit Type
	Year	From	То	Interim	Final	Regular		
BEng (Mechatronics)	4	2007	2029			x		

3.4 North-West University

 Qualification:
 Baccalaureus in Ingenieurswese / Bachelor of Engineering

Abbreviation: Blng / BEng

Note: North-West University was formed in 2004 after the merger of the Potchefstroom University for Christian Higher Education and the University of the North-West, the latter not having offered any BEng/BSc (Eng) programmes

Qualification and Branch	Duratio	Accred Per		Accre	ditation Vis	sit Type
	n Year	From	То	Interim	Final	Regular
BEng (Chemical)	4	2004	2026			x
BEng (Chemical with specialization in Minerals Processing Engineering)	4	2004	2026			x
BEng (Electrical & Electronic)	4	2004	2026			x
BEng (Computer & Electronic Engineering)	4	2004	2026			x
BEng (Mechanical Engineering)	4	2004	2026			x

CONTROLLED DISCLOSURE

Document No.: E-20-PE	Revision N	lo.: 33 Effective Date: 19/11/2024					
Subject: University Degrees Accredited as meeting the Educational Requirement for Registration as a Professional Engineer					ECSA ENGINEERING COURCE OF SOUTH AFFICA		
Compiled by: Manager	Approved b Executive S		Next Review Date: After the next approval			Page 9 of 29	
Date:	Date:		n	neeting		-	
3Eng (Mechatronic E	ngineering)	4	2024	4 2026			x
3Eng (Industrial Engi	neering)	4	2019	9 2026			x
3Eng (Electro-mecha	inical)	4	2019	2026			х

3.5 Universiteit van Pretoria [University of Pretoria]

Qualification:Baccalaureus in Ingenieurswese / Bachelor of EngineeringAbbreviation:BIng / BEng

		Accred	tation	Α	ccreditation	Visit Type
Qualification and Branch	Duration Year	From	То	Interim	Final	Regular
BIng/BEng (Siviel) [Civil]	4	1983	2027			x
BIng/BEng (Meganies) [Mechanical]	4	1983	2027			X
BIng (Bedryfs) [Industrial]	4	1983	2027			x
BIng/BEng (Mynbou)	4	1983	2027			x
BIng/BEng (Chemies) [Chemica]	4	1983	2027			X
BIng/BEng (Elektries) [Electrical]	4	1983	2027			X
BIng/BEng (Metallurgies) [Metallurgical]	4	1983	2027			x
BIng/BEng (Elektronies) [Electronic]	4	1983	2027			x
BIng/BEng (Rekenaar- Ingenieurswese) Computer Enqineering	4	2001	2027			X

CONTROLLED DISCLOSURE

Document No.: E-20-PE	Revision No.: 33	Effective Date: 19/11/2024		
Subject: Univ	E C S A			
Require	Engineering Cource, of South Africa			
Compiled by:	Approved by:	Next Review Date:	Page 10 of 29	
Manager	Executive SS	After the next approval		
Wanader				

3.6 University of Johannesburg (Kingsway Campus, Auckland Park)

Qualification:Baccalaureus Ingeneriae /Bachelor of EngineeringAbbreviation:BIng / BEng

Note: UJ was formed in 2005 after the merger of Rand Afrikaans University and the Technikon Witwatersrand, the latter not offering BEng/BSc (Eng) programmes

Qualification and Discipline	Duratio	Accredit	ation	Accredit	Accreditation Visit Type		
	n Year	From	То	Interim	???	Regular	
BIng/BEng (Siviel) [Civil]						x	
	4	1986	2027			~	
BIng/BEng (Meganies)						х	
[Mechanical]	4	1986	2027			^	
BIng/BEng (Elektries en						v	
Elektronies) [Electrical and Electronic]	4	1986	2027			X	

3.7 Universiteit van Stellenbosch (University of Stellenbosch)

Qualification:Baccalaureus in Ingenieurswese (Bachelor of Engineering)Abbreviation:BIng [B Eng]

Qualification and Branch	Duration Voor		ation	Accreditation Visit Type		
	Year	From	То	Interim	Final	Regular
BIng/BEng (Chemiese Ingenieurswese) [Chemical Engineering]	4	1982	2028			x
BIng/BEng (Meganiese Ingenieurswese) [Mechanical Engineering]	4	1982	2028			X
BIng/BEng (Siviele Ingenieurswese) [Civil Engineering]	4	1982	2028			x

CONTROLLED DISCLOSURE

Document No.: E-20-PE	Revision			Effective Date: 19/11/2024				
Subject: University Degrees Accredited as meeting the Educational Requirement for Registration as a Professional Engineer Compiled by: Approved by: Manager Executive SS							E C S A Eligneering cource, or south artica	
Manager Date:	Date:	9 22		After the next approval meeting			Page 11 of 29	
BIng/BEng (Bedrysingenieurswes Industrial Engineering		4	1982	2 2028			x	
BIng/BEng(Elektries) Elektroniese Ingenie Electrical and Electro Engineering]	urswese)	4	1993	2028			x	
BIng/BEng (Megatror Mechatronic]	nika)	4	2005	2028			x	

3.8 University of the Witwatersrand, Johannesburg

Qualification: Bachelor of Science in Engineering **Abbreviation:** BSc (Eng)

Qualification and Branch	Durati on	Accreditation Period		Acc	reditation \	/isit Type
		From	То	Interim	Final	Regular
BSc (Eng) in Chemical Engineering	4	1982	2027			x
BSc (Eng) in Civil Engineering	4	1982	2027			x
BSc (Eng) in Electrical Engineering	4	1982	2027			x
BSc (Eng) in Mechanical Engineering	4	1982	2027			x
BSc (Eng) in Mining Engineering	4	1982	2027			x
BSc (Eng) in Aeronautical Engineering	4	1988	2027			x
BSc (Eng) in Industrial Engineering	4	1988	2027			x

CONTROLLED DISCLOSURE

Document No.: E-20-PE	Revision	Revision No.: 33			ate:			
Subject: University Degrees Accredited as meeting the Educational Requirement for Registration as a Professional Engineer						ENGR	CSA RERENG COUNCL OF SOUTH AFRICA	
Compiled by: Approved Manager Executive				Next Review After the ne	Pag	Page 12 of 29		
Date:	Date:			meeting				
BSc (Eng) in Metallur Materials engineering	0	4	2002	2027			x	
BSc (Eng) in Electric Engineering - Inform		4	2002	2027			x	

3.9 Independent Institute of Education, Monash South Africa (IIE MSA)

Qualification: Bachelor of Engineering **Abbreviation**: BEng

Qualification and Branch	Durati on	Accreditation Period		Acc	reditation \	/isit Type
		From	То	Interim	Final	Regular
BEng in Electrical Engineering	4	2024	2029			x
BEng in Mechanical Engineering	4	2024	2029			x

4. DEGREE PROGRAMMES ACCREDITED PRE-UNIVERSITY MERGERS AND NAME CHANGES

4.1 University of Durban-Westville

Degree: Bachelor of Engineering I Bachelor of Science in Engineering Abbreviation: B Eng I BSc (Eng) Note: See University of KwaZulu-Natal for graduates of 2004 and later years

Document No.: E-20-PERevision No.: 33Effective Date: 19/11/2024Subject: University Degrees Accredited as meeting the Educational Requirement for Registration as a Professional Engineer					E C S A EDERETRIG CONICE OFSUTI AFICA	
Compiled by: Manager Date:	Approved by: Executive SS Date:		t Review Date r the next app ting	-	Page 13 of 29	
	error and Drench		Duration	Accredi	tation Period	
U	egree and Branch		Years	From	То	
BEng (Mechanical)			4	198	4 1989	
BEng (Chemical)			4	198	4 1989	
BEng (Civil)			4	1984	4 1989	
BEng (Electrical)			4	198	4 1989	
BEng {Electrical Pov	wer)		4	198	4 1992*	
BSc (Eng) (Electrical)			4	199	6 2003	
BSc (Eng) (Mechanical)			4	199	0 2003	
BSc (Eng) (Chemica	al)		4	199	0 2003	

2001**

1990

4

* Up to and including June 1992 examinations

** Up to end 2001 examinations

BSc (Eng) (Civil)

4.2 University of Natal
Degree: Bachelor of Science in Engineering
Abbreviation: BSc (Eng)
Notes: See University of KwaZulu-Natal for graduates of 2004 and later years

Degree and Branch	Duration	Accreditation Period	
	Years	From	То
BSc (Eng) (Electrical)	4	1983	2003
BSc (Eng) (Agricultural)	4	1983	2003 -

CONTROLLED DISCLOSURE

Document No.: E-20-PE	Revision No.: 33	Effective Da 19/11/2024	Effective Date: 19/11/2024		
Subject: Univ Require	ECSA ENGINEERING COUNCL OF SOUTH APPICA				
Compiled by: Manager Date:	Approved by: Executive SS Date:		Next Review Date: After the next approval meeting		
BSc (Eng) (Chemica	l)	4	1983	2003	
BSc (Eng) (Electroni	c)	4	1983	2003	
BSc (Eng) (Civil)		4	1983	2003	
BSc (Eng) (Mechani	ical)	4	1983	2003	
BSc (Eng) (Computer Engineering)		4	2001	2003*	
*Provisional Accred	ditation				

4.3 Potcheftstroom Universiteit vir Christelike Hoër Onderwys

Degree:Baccalaureus in Ingenieurswese [Bachelor of Engineering]Abbreviation:BIng [B Eng]

Degree and Branch	Duration	Accreditat	ion Period
	Years	From	То
BIng (Chemies) [Chemical]	4	1984	2003
BIng (Elektries) [Electrical]	4	1984	2003
BIng (Elektronies) {[Electronic]	4	1984	2003
BIng (Elektries & Elektronies) {[Electrical & Electronic]	4	1984	2003
BIng(Meganies) [Mechanical]	4	1984	2003
BIng (Metallurgies) [Metallurgical]	4	1984	2001
BIng (Chemies met spesialisering iMineraalingenieurswese) [Chemicalwith specialization in	4	1997	2003

CONTROLLED DISCLOSURE

Document No.: E-20-PE	Revision No.: 33		tive Date: /2024		
	versity Degrees Accredited a ment for Registration as a P			onal	E C S A ENDREERING COUNCIL OF SOUTH AFRICA
Compiled by: Manager	Approved by: Executive SS	After	Review Date the next app		Page 15 of 29
Date:	Date:	meet	ing		
BIng (Materiaal) [Mat	terials]		4	1997	2002
0 (ktroniese Ingenieurswese) ilectronic Engineering]		4	2001	2003
	spesialisering in Materiale) ecialization in Materials)		4	2001	2003

4.1 Randse Afrikaanse Universiteit [Rand Afrikaans University]

Degree:Baccalaureus Ingeneriae [Bachelor of Engineering]Abbreviation:BIng [BEng]

Degree and Branch	Duration	Accreditat	ion Period
	Years	From	То
BIng (Siviel) [Civil]	4	1986	2006
Blng (Siviel met Endorsement Inligtingstegnologie) BEng [Civil with Information Technology]	4	2001	2003*
BIng (Meganies) [Mechanical)	4	1986	2006
BIng (Meganiese met Endorsement Inligtingstegnologie) BEng [Mechanical with Endorsement Information	4	2001	2003*
BIng (Elektries en Elektronies) [Electrical and Electronic]	4	1986	2006
BIng(Elektries en Elektronies met Endorsement Inligtingstegnologie) BEng [Electrical and Electronic with Endorsement Information Technology]	4	2001	2006
* Provisional Accreditation			
*Accredited as a Mechanical Engineering Programme			

CONTROLLED DISCLOSURE

Document No.: E-20-PE	Revision No.: 33	Effective Date: 19/11/2024	
		as meeting the Educational	ECSA
Require	ement for Registration as a	Professional Engineer	ENGINEERING COUNCIL OF SOUTH AFRICA
Require Compiled by:	Approved by:	Professional Engineer Next Review Date:	ENGINEERING COUNCIL OF SOUTH AFFICA
			Page 16 of 29

List C: Programmes recognized prior to the commencement of formal accreditation visits.

5. DEGREE PROGRAMMES ACCREDITED AS MEETING THE EDUCATIONAL REQUIREMENTS TOWARD REGISTRATION AS A PROFESSIONAL ENGINEER PRIOR TO FORMAL ACCREDITATION VISITS.

5.1 University of Cape Town

Degree:Bachelor of Science | Bachelor of Science in EngineeringAbbreviation:BScIBSc(Eng)

Degree and Branch	Duration	Accreditati	on Period
	Years	From	То
BSc (Civil)	4	1921	1972
BSc (Electrical)	4	1921	1972
BSc (Mechanical)	4	1921	1972
BSc (Chemical)	4	1921	1972
BSc (Applied Chemistry)	4	1921	1972
BSc (Applied and Industrial Chemistry)	4	1921	1972
BSc (Chemical Engineering)	4	1921	1972
BSc (Eng) (Chemical)	4	1973	1984
BSc (Eng) (Civil)	4	1973	1984
BSc (Eng) (Electrical & Electronic)	4	1973	1984
BSc (Eng) (Mechanical); BSc (Eng) (Electrical & Electronic)	4	1973	1984

CONTROLLED DISCLOSURE

Document No.: E-20-PE	Revision No.: 33	Effective Date: 19/11/2024	
	versity Degrees Accredited ment for Registration as a	as meeting the Educational Professional Engineer	E C S A Endimetering conincil of southil affica
	A manager of lasts	Next Deview Deter	
Compiled by:	Approved by:	Next Review Date:	
Compiled by: Manager	Executive SS	After the next approval	Page 17 of 29

5.2 University of Natal

Degree: Bachelor of Science in Engineering **Abbreviation**: BSc Eng

Degree and Branch	Duration	Accreditati	on Period
	Years	From	То
BSc (Eng) (Civil)	4	1922	1982
BSc (Eng) (Electrical)	4	1922	1982
BSc (Eng) (Mechanical)	4	1922	1982
BSc (Eng) (Agricultural)	4	1951	1982
BSc (Eng) (Chemical)	4	1961	1982
BSc (Eng) (Electronic)	4	1981	1982

5.3 Potchefstroomse Universiteit vir Christelike Hoer Onderw ys [University of Potchefstroom] Degree: Bachelor of Science / Baccalareus in Ingeneurswese [Bachelor of Engineering] Abbreviation: BSc / BIng [BSc / BEng]

Degree and Branch	Duration	Accredita	ation Period
	Years	From	То
BSc (Elektrotegniek) [Electro Technology]	4	1974	1981
BSc (Ingenieurs Chemie) [Engineering Chemistry]	4	1974	1981
Blng (Chemies) [Chemical]	4	1982	1983
BIng (Elektries en Elektronies) [Electrical and Electronic]	4	1982	1983
BIng (Meganies) [Mechanical]	4	1982	1983

CONTROLLED DISCLOSURE

Document No.: E-20-PE	Revision No.: 33	Effective Dat 19/11/2024	e:	
	versity Degrees Accredited ement for Registration as a			E C S A EIGINEERING COURCE OF SOUTH APPICA
Compiled by: Manager	Approved by: Executive SS	Next Review After the nex		Page 18 of 29
				Page 18 of 29

5.4 Universiteit van Pretoria [University of Pretoria]

Degree:Baccalareus in Ingeneurswese[Bachelor of Engineering]Abbreviation:BSc(Ing) /BIng[BSc (Eng) / B Eng]

Degree and Branch	Duration	Accreditat	ion Period
	Years	From	То
BSc (Ing) (Siviel) [Civil]	4	1955	1979
Sc (Ing) (Meganies) [Mechanical]	4	1955	1979
BSc (Ing) (Elektrotegnies) [Electrotechnical]	4	1955	1970
BSc (Ing) (Bedryfs) [Industrial]	4	1957	1979
BSc (Ing) (Chemies) [Chemical]	4	1958	1979
BSc (Ing) (Mynbou) [Mining]	4	1958	1979
BSc (Ing) (Elektries) [Electrical]	4	1970	1979
BSc (Ing) (Metallurgies) [Metallurgical]	4	1973	1979
BSc (Ing) (Elektronies) [Electronic]	4	1975	1979
BIng/BEng (Siviel) [Civil]	4	1980	2027
BIng/BEng (Meganies) [Mechanical]	4	1980	2027
Blng/BEng (Bedryfs) [Industrial]	4	1980	2027
BIng/BEng (Mynbou) [Mining]	4	1980	2027
BIng/BEng (Chemies) [Chemical]	4	1980	2027

CONTROLLED DISCLOSURE

Document No.: E-20-PE	Revision No.: 33	Effective Date: 19/11/2024		
	ersity Degrees Accredited ment for Registration as a			E C S A Engineering council of south Africa
Compiled by: Manager	Approved by: Executive SS	Next Review D After the next		Page 19 of 29
Date:	Date:	meeting		
BIng/Beng (Elektries)	[Electrical]	4	1980	2027
BIng/BEng (Metallurg	gies) [Metallurgical]	4	1980	2027
BIng/BEng (Compute	er)	4	1980	2027
BIng/BEng (Landbou) [Agricultural]	4	1980	1982
BIng/BEng (Elektroni	es) [Electronic]	4	1980	2027

5.5 Randse Afrikaanse Universiteit [Rand Afrikaans University]

Degree: Bachelor of Science (Honours) / Bacccalareus Ingeneriae [Bachelor of Engineering] Abbreviation: BSc (Hons.)/BIng [BSc (Hons.)/BEng]

Degree and Branch	Duration	Accreditat	ion Period
	Year	From	То
BSc (Hons) (Elektrotegniek) [Electrotechnical]	4	1971	1981
BIng (Siviel) [Civil]	4	1981	1985
BIng (Meganies) [Mechanical]	4	1981	1985
BIng (Elektries en Elektronies) [Electrical and Electronic]	4	1981	1985

5.6 Universiteit van Stellenbosch [University of Stellenbosch]

Degree: Bachelor of Science in Engineering Baccalaureus in die Natuurwetenskappe en Baccalaureus indie Ingenieurswese ge" ntegreerde program [Bachelor of Science and Bachelor of Engineering integrated programme]

Document No.: E-20-PE	Revision No.: 33	Effective Date: 19/11/2024	
Subject: Univ	versity Degrees Accredited	as meeting the Educational	ECSA
	ement for Registration as a		ENGINEERING COUNCIL OF SOUTH AFRICA
	Approved by:		ENGNEERING COUNCIL OF SOUTH AFRICA
Require		Professional Engineer	Page 20 of 29

Honneurs Baccalaureus in Ingenieursewese [Honours Bachelor of Engineering] Baccalaureus in Ingenieursewese [Bachelor of Engineering]

Abbreviation:BSc (Ing) / BSc BIng / Hons BIng / BIng[BSc (Eng) / Bsc BEng / Hons BEng / BEng]

Degree and Branch	Duration	Accreditation Period		
	Years	From	То	
BSc Blng (Elektrotegnies) [Electrotechnical] also designated Elektriese en Elektroniese during this period	5	1946	1979	
BSc Blng (Elektrotegnies en Geofisies) [Electrotechnical and Geophysical]	5	1957	1971	
BSc Blng (Elektrotegnies Geofisies) [Electrotechnical Geophysical]	5	1960	1971	
BSc Blng (Landbou) [Agricultural]	5	1962	1978	
BSc BIng (Elektrotegnies Swakstroom) [Electrotechnical Light Current)	5	1962	1971	
BSc Blng (Elektrotegnies Swaarstroom) [Electrical Heavy Current]	5	1962	1971	
BSc BIng (Lugvaartkunde) [Aeronautical]	5	1966	1967	
BSc BIng (Chemies) [Chemical]	5	1968	1977	
Hons BIng (Siviel) [Civil]	1	1972	1983	
Hons BIng (Werktuigkunde) [Mechanical]	1	1972	1973	
Hons BIng (Elektronies) [Electronic]	1	1972	1983	
BIng (Meganies) [Mechanical]	4	1974	1977	

CONTROLLED DISCLOSURE

Document No.: E-20-PE	Revision No.: 33	Effective Date: 19/11/2024	:			
Subject: Univ Require	E C S A ENGINEERING COUNCIL OF SOUTH AFTICA					
Compiled by: Manager Date:	Approved by: Executive SS Date:	Next Review D After the next meeting	Page 21 of 29			
BSc (Ing) (Elektronie	es) [Electronic]	4	1978	1978		
BSc (Ing) (Siviel) [Ci	vil]	4	1978	1978		
BSc (Ing) (Meganies) [Mechanical]	4	1978	1978		
BSc (Ing) {Chemies)	[Chemical]	4	1978	1978		
BSc (Ing) {Chemies and Extraction Metal	en Ekstraksie Metallurgie) [C llurgy]	hemical 4	1978	1978		
BIng (Siviel) [Civil]			1972	1981		
BIng (Chemies) [Che	es) [Chemical]		emies) [Chemical] 4 197		1972	1981
BIng {Elektrotegnies	ektrotegnies-Marine) [Electrotechnical-Marine] 5 197		1972	1979		
BIng (Meganies) [Me	leganies) [Mechanical]		1974	1981		
BIng (Meganies-Marine) [Mechanical-Mari ne]			1974	1979		
BIng (Elektrotegnies) [Electrotechnical]	4	1979	1979		
BIng (Bedryfs-Mega	nies) [Industrial-Mechanical]	4	1981	1981		

5.7 University of the Witwatersrand, Johannesburg

Degree:Bachelor of Science in EngineeringAbbreviation:BSc Eng

Degree and Branch	Duration	ation Period
	Years	From

CONTROLLED DISCLOSURE

Document No.: E-20-PE	Revision No.: 33	Effective D 19/11/2024	Effective Date: 19/11/2024			
Subject: Univ Require	E C S A LIGHERING COUNCL OF SOUTH AFRICA					
Compiled by: Manager Date:	Approved by: Executive SS Date:		Next Review Date: After the next approval meeting			
BSc (Eng) (Chemica	I)	4	1922	1981		
BSc (Eng) (Civil)		4	1922	1981		
BSc (Eng) (Electrical)	4	1922	1981		
BSc (Eng) (Mechanic	cal)	4	1922	1981		
BSc (Eng) (Metallurg	у)	4	1922	1981		
BSc (Eng) (Mining)		4	1922	1981		

6. DEGREE PROGRAMMES THAT HAVE BEEN DISCONTINUED

6.1. University of Cape Town

Qualification: Bachelor of Science in Engineering **Abbreviation:** BSc (Eng)

Qualification and	Duration		ditation eriod		Accreditatio	on visit type
Discipline	(years)	From	То	Interim	Final	Regular
BSc (Eng) (Electrical and Electronic)	4	1985	2000			Discont.
BSc (Eng) (Electrical)	4	2001	2005			Discont.
BSc (Eng) (Materials)	4	1985	2005			Discont.
BSc (Eng) (Electro-Mechanical)	4	1991	2021			Discont.

6.2. University of KwaZulu-Natal

Qualification: Bachelor of Science in Engineering **Abbreviation**: BSc (Eng)

Note:

• Programmes followed by Graduates of the years 2004 and 2005 of the former

CONTROLLED DISCLOSURE

Document No.: E-20-PE	Revision No.: 33	Effective Date: 19/11/2024	

Subject: University Degrees Accredited as meeting the Educational Requirement for Registration as a Professional Engineer

Compiled by:	Approved by:	Next Review Date:	
Manager	Executive SS	After the next approval	Page 23 of 29
Date:	Date:	meeting	_

University of Durban Westville are identified by the addition of "Westville Campus".

ECSA

• The University of KwaZulu-Natal was founded in 2004 after the merger of the University of Natal and the University of Durban-Westville.

Qualification and Discipline	Duration	Accreditation period		Accreditation visit type			
	(years)	From	То	Interim	Final	Regular	
BSc (Eng) (Electrical) Westville Campus	4	2004	2005			Discont.	
BSc (Eng) (Mechanical) Westville Campus	4	2004	2005			Discont.	
BSc (Eng) (Chemical) Westville Campus	4	2004	2005			Discont.	

6.3. North-West University

Qualification: Baccalaureus in Ingenieurswese / Bachelor of Engineering **Abbreviation**: Blng / BEng

Note: North-West University was formed in 2004 after the merger of the Potchefstroom University for Christian Higher Education and the University of the Northwest, the latter not having offered any BEng/BSc (Eng) programmes.

Qualification and Discipline	Duratio	Accreditation Period		Accreditation Visit Type		
	n Year	From	То	Interim	Final	Regular
BEng (Mechanical with specialization in Materials)	4	2004	2006			Discont.

CONTROLLED DISCLOSURE

Document No.: E-20-PE				
Subject: Uni Require	ECSA LINGHELRING COURCE, OF SOUTH AFRICA			
Compiled by:	Approved by: Executive SS	Next Review Date: After the next approval	Page 24 of 29	
Manager			raye 24 01 29	

6.4. Universiteit van Pretoria [University of Pretoria] Qualification: Baccalaureus in Ingenieurswese / Bachelor of Engineering Abbreviation: BIng / BEng

		Accreditation		Accreditation Visit Type		
Qualification and Discipline	Duration Year	From	То	Interim	Final	Regular
BIng (Landbou) [Agricultural]	4	1983	2007			Discont.

6.5 University of Johannesburg (Kingsway Campus, Auckland Park)

Qualification: Baccalaureus Ingeneriae /Bachelor of Engineering **Abbreviation**: BIng / BEng

Note: UJ was formed in 2005 after the merger of Rand Afrikaans University and the Technikon Witwatersrand, the latter not offering BEng/BSc (Eng) programmes

Qualification and Discipline	Duratio	Accredit	ation	Accredit	ation Visit Ty	уре
	n Year	From	То	Interim	???	Regular
BIng (Meganiese met Endorsement Inligtingstegnologie) BEng [Mechanical with Endorsement Information Technology]	4	2001	2011*			Discont.
BIng (Elektries en Elektronies met Endorsement Inligtingstegnologie) BEng [Electrical and Electronic with Endorsement Information Technology]	4	2001	2021			Discont.

* Accredited as a Mechanical Engineering Programme

CONTROLLED DISCLOSURE

Document No.: E-20-PE	Revision No.: 33	Effective Date: 19/11/2024	
		as meeting the Educational	ECSA
Require	ement for Registration as a	Professional Engineer	ENGINEERING COUNCIL OF SOUTH AFRICA
Require Compiled by:	Approved by:	Professional Engineer Next Review Date:	ENGINEERING COUNCIL OF SOUTH AFTICA
•			Page 25 of 29

6.6 Universiteit van Stellenbosch (University of Stellenbosch)

Qualification: Baccalaureus in Ingenieurswese (Bachelor of Engineering) **Abbreviation:** BIng [B Eng]

Qualification and Discipline	Duration	Accredit Period	ation	Accreditat	tion Visit T	уре
	Year	From	То	Interim	Final	Regular
BIng (Chemiese rigting Ekstraktiewe Metallurgie) [Chemical-Option Extractive Metallurgy]	4	1982	1993			Discont.
BIng(Bedryfsingenieurswese - Rigting Elektronies) [Industrial Engineering - Option Electronic]	4	1989	2008			Discont.
Blng (Chemiese Ingenieurswese-Mineraal Prosessering) [Chemical Engineering- Mineral Processing]	4	1989	2008			Discont.
BIng(Elektries) [Electrical]	4	1982	1993			Discont.
Blng (Elektronies) [Electronic]	4	1982	1993			Discont.
Blng (Elektries en Electronies met Rekenaarwetenskap) [Electrical and Electronic with Computer Science]	4	2001	2018			Discont.

6.7 University of the Witwatersrand, Johannesburg

Qualification: Bachelor of Science in Engineering **Abbreviation:** BSc (Eng)

CONTROLLED DISCLOSURE

Document No.: E-20-PE	Revision No.: 33	Effective Date: 19/11/2024	
	versity Degrees Accredited ment for Registration as a	as meeting the Educational Professional Engineer	E C S A EIGINEERING CONICO, OF SOUTH APPICA
Compiled by:	Approved by: Executive SS	Next Review Date: After the next approval	Page 26 of 29
Manager			

Qualification and Discipline	Durati on	Accredit Period	ation	Acc	reditation V	Visit Type
		From	То	Interim	Final	Regular
BSc (Eng) in the Discipline of Metallurgy	4	1982	2002			Discont.
BSc (Eng) in the Discipline of Metallurgy and Materials Engineering (Physical Metallurgy Option)	4	1988	2002			Discont.
BSc (Eng) in the Discipline of Metallurgy and Materials Engineering (Minerals Process Engineering Option)	4	1988	2002			Discont.
BSc(Eng)CivilEngineering- EnvironmentalEngineering Option)	4	2002	2009			Discont
	*Up to end	of Septen	nber 2013			

List D: Programmes that have been discontinued.

7. Revision History

Revision Number	Revision Date	Revision Details	Approved By
Draft A	22 May 1998	Reformatting Existing list into S & P format	
Revision - 0	11 Jun1998	Editorial	UAC
Revision – 1	7 Aug 1998	Editorial	UAC
Revision – 2	3 Nov 1998	Stellenbosch and Natal programme updated	UAC
Revision – 3	1 Jun 1999	Tables Reformatted, Notes added, Section 4.7 corrected	UAC

CONTROLLED DISCLOSURE

Document No.: E-20-PE	Revision N	o.: 33	Effective Date: 19/11/2024	
			meeting the Educational ofessional Engineer	E C S A ENGINEERING COUNCIL OF SOUTH AFFICA
Compiled by: Manager Date:	Approved I Executive S Date:		Next Review Date: After the next approval meeting	Page 27 of 29
Revision – 4	28 Jan 2000	UDW progra	mmes updated, minor corrections	UAC
Revision – 5	5 May 2003	Updating CT Wits program	, UDW, Potch, Pretoria, RAU,	UAC
Revision – 6	17 Feb 2004		tch, Pretoria, Natal, Stellenbosch	UAC
Revision – 7	27 Jul 2004	New names UCT & RAU	 Potch, UDW& Natal updated, 	UAC
Revision – 8	16 Nov 2004	Updating Ste	ellenbosch, KwaZulu -Natal	UAC
Revision – 9	19 Jul 2005	Ų	otch/Northwest University & T & UKZN accreditation status	UAC
Revision – 10	18 Jul 2006		ellenbosch University, Northwest	UAC
Revision – 11	08 Jul 2009		UKZN & Stellenbosch University	EPAC
Revision – 12	11 Nov 2011	Updating of	NWU	EPAC
Revision – 13	18 Jul 2012	Updating NV	VU	EPAC
Revision – 14	29 Nov 2012	Updating of	UP, UCT & Wits	EPAC
Revision – 15	17 Jul 2013	Updating of	Wits	EPAC
Revision – 16	11 Nov 2013	Updating of	UJ, US, UKZN & NWU	EPAC
Revision – 17	02 Jun 2014	Updating of	Stellenbosch	EPAC
Revision – 18	05 Nov 2014	Updating UF	P, UJ, NMU	EPAC
Revision – 19	25 Feb 2016	Updating UC	CT & UKZN	EPAC
Revision – 20	31 Jan 2017	Updating NV	VU	J Cato & EC
Revision – 21	31 Aug 2017	Updating of	NWU	J Cato & EC
Revision – 22	07 Mar 2018	including diff	programme, reformatting and erent types of accreditation visits. CT, NWU Wits & UP	J Cato & EC
Revision – 23	10 Apr 2018	Approval		PDSGC
Revision – 24	31 May 2019	Updating UK	ZN, NWU, US, UJ & UP	Regulatory Function

CONTROLLED DISCLOSURE

Document No.: E-20-PE	Revision No.	Effective Date: 19/11/2024	
		ccredited as meeting the Educational tion as a Professional Engineer	ECSA ExGenetices Counce, or South Africa
Compiled by: Manager	Approved by Executive SS	After the next approv	al Page 28 of 29
Date:	Date:	meeting	
Revision – 25	02 Jul 2019	Updating UKZN	Regulatory Function
Revision – 26	04 Nov 2019	Updating UP & NWU	Regulatory Function
Revision – 27	04 Mar 2020	Updating NMW, Wits & UKZN	Regulatory Function
Revision – 28	18 Jun 2020	Updating note 4	Regulatory Function
Revision – 29	26 Aug 2020	Updating due to COVID -19 extension	Regulatory Function
Revision - 30	30 Nov 2020	Updating due to COVID -19 extension	Regulatory Function
Revision - 31	25 May 2023	Updating US, NWU, UCT, NMU, University of Mauritius (UoM), UP, NM and WITS	
Revision - 32	19 November 2024	Updating Nelson Mandela University, and IIE	UKZN Statutory Services
Revision - 33	21 February 2025	Updating NWU and WITS	Statutory Services

CONTROLLED DISCLOSURE

Document No.: E-20-PE	Revision No.: 33	Effective Date: 19/11/2024	
		as meeting the Educational	ECSA
Require	ement for Registration as a	Professional Engineer	ENGINEERING COUNCIL OF SOUTH AFRICA
Require Compiled by: Manager	Approved by: Executive SS	Professional Engineer Next Review Date: After the next approval	Page 29 of 29

The List for:

University Degrees Accredited as meeting the Educational Requirement for Registration as a Candidate and Professional Engineer

Revision 33 dated 21 February 2025 and consisting of 29 pages has been reviewed for adequacy by the Business Unit Manager and is approved by the Executive: Statutory Services.

1hon.

Business Unit Manager

12/03/2025 Date.....

Actuma

Executive: Statutory Services

CONTROLLED DISCLOSURE