

## **BACHELOR OF EDUCATION IN MATHEMATICS AND NATURAL SCIENCES (4092)**

### **E.61 ADMISSION**

Unless Senate decides otherwise, candidates will be required to meet the following criteria to be enrolled for the degree: **Bachelor of Education – BEd (Mathematics and Natural Sciences)**

#### **E.61.1 Admission requirements for applicants who matriculated from 2008**

(a) The National Senior Certificate for Bachelor's Degree study plus a score of no less than 27 points calculated according to the University's approved points system, as well as the following minimum specific subject requirements area:

- Level 4 (50-59%) in English (home or first additional language) and
- Level 3 (40-49%) in Another Language (home or first additional language) and
- Level 3 (40-49%) in Mathematics or Mathematical Literacy

**OR**

(b) A qualification or level of competence which the Senate of the University has deemed to be equivalent to the requirements stipulated in (a) above.

(c) In addition to the above, candidates are required to meet the minimum specific subject requirements for the two Learning Area Specialisation combination: **Mathematics and Natural Sciences**

- Level 4 (50-59%) in English (home or first additional language) and
- Level 3 (40-49%) in Another Language (home or first additional language) and
- Level 4 (50-59%) in Mathematics or
- Level 6 (70-79%) in Mathematical Literacy and
- Level 4 (50-59%) in Life Sciences or
- Level 4 (50-59%) in Physical Sciences

#### **E.61.2 Admission requirements for applicants who matriculated before 2008**

(a) A Matriculation Certificate or Exemption Certificate thereof or conditional exemption from the Matriculation Board.

##### **Learning Area Specialisations**

To qualify for admission to ALL Learning Areas, students should obtain at least a Level 4 (50-59%) or a D (HG) or C (SG) in Grade 12 in the subject or area of specialisation.

**OR**

(b) A qualification or level of competence which the Senate of the University has deemed to be equivalent to the requirements stipulated in (a) above.

### E.61.3 Alternate Admission

#### Alternate admission requirements for applicants according to Recognition of Prior Learning (RPL)

Students who completed the NSC in 2008 or thereafter, but have not obtained endorsements, will be considered for alternative admission after the age of 23. Such candidates will be required to complete a RPL portfolio development course and submit to a process where relevant learning and/or experience will be assessed.

Candidates who are 23 or older and do not have a matriculation certificate or NSC, but who might have obtained other qualifications or experience that may be deemed to be equivalent to admission criteria for particular study programmes, will also be required to complete a RPL portfolio development course or an RPL portfolio process as agreed and to submit to a process where such learning, qualification and/or experience will be assessed.

#### If the Senior Certificate was obtained before 1977, the candidate must have obtained in the Senior Certificate Examination:

- i) at least 40% in one of the official languages in the Higher Grade;
- ii) at least 33% in the remaining official language on the Lower Grade;
- iii) at least 40% in two additional subjects.

### E.62 SELECTION

As only a limited number of students can be admitted to the programme, applicants will be subject to a selection procedure.

### E.63 DURATION

Unless Senate decides otherwise the duration of the programme shall extend over four years full time.

### E.64 CURRICULUM

#### E.64.1 Level 1

Module Name	Alpha Code	Cred
<b>Group 1 – Compulsory (select all)</b>		
Literacy & Numeracy	EDC111	15
Language Study	LAN151	15
	<b>Sub-total</b>	<b>30</b>
<b>Group 2 – Mathematics (select all)</b>		
Mathematics (BEd) 111	MAE111	15
Mathematics (BEd) 121	MAE121	15
	<b>Sub-total</b>	<b>30</b>
	<b>Total</b>	<b>60</b>

#### E.64.2 Level 2

Module Name	Alpha Code	Cred
<b>Group 1 – Compulsory (select all)</b>		
Education Practice 101	EDC101	15
Life Skills	EDC121	15
Second Additional Language	EDC122	15
	<b>Sub-total</b>	<b>45</b>

**Group 2 - Natural Sciences (select all)**

Life Sciences 141	LSC141	15
Life Sciences 142	LSC142	15
	<b>Sub-total</b>	<b>30</b>
	<b>Total</b>	<b>75</b>

**E.64.3 Level 3****Module Name****Alpha Code****Cred****Group 1 – Compulsory (select all)**

Education Practice 201	EDC201	15
	<b>Sub-total</b>	<b>15</b>

**Group 2 – Mathematics (select all)**

Mathematics (BEd) 211	MAE211	15
Mathematics (BEd) 221	MAE221	15
	<b>Sub-total</b>	<b>30</b>

**Group 3 - Natural Sciences (select all)**

Biodiversity and Conservation 211	BDC211	20
Biodiversity and Conservation 221	BDC221	20
Physics 116	PHY116	15
Chemistry 114	CHE114	15
	<b>Sub-total</b>	<b>70</b>
	<b>Total</b>	<b>115</b>

**E.64.4 Level 4****Module Name****Alpha Code****Cred****Group 1 – Compulsory (select all)**

Education Practice 301	EDC301	30
Education 313	EDC313	15
Education 323	EDC323	15
	<b>Sub-total</b>	<b>60</b>

**Group 2 – Mathematics (select all)**

Mathematics (BEd) 311	MAE311	15
Mathematics (BEd) 321	MAE321	15
Method of Mathematics 301	TMM301	15
Method of Mathematics 302	TMM302	15
	<b>Sub-total</b>	<b>60</b>

**Group 3 - Natural Science (select all)**

Method of General Science 301	GSM301	15
Method of General Science 302	GSM302	15
	<b>Sub-total</b>	<b>30</b>
	<b>Total</b>	<b>150</b>

**E.64.5 Level 5****Module Name****Alpha Code****Cred****Group 1 – Compulsory (select all)**

Education Practice 401	EDC401	60
Education 413	EDC413	15
Education 423	EDC423	15
	<b>Sub-total</b>	<b>90</b>

**Group 2 – Mathematics (select all)**

Method of Mathematics 401	TMM401	15
	<b>Sub-total</b>	<b>15</b>

**Group 3 - Natural Science (select all)**

Method of General Science 401	GSM401	15
	<b>Sub-total</b>	<b>15</b>
	<b>Total</b>	<b>120</b>
	<b>FINAL TOTAL</b>	<b>520</b>

## **E.65 PROMOTION RULES**

Unless Senate decides otherwise and subject to Rule A.3.2.3:

### **E.65.1 Level 1**

Unless Senate decides otherwise and subject to Rule A.3.2.3:

A student shall be promoted to Level 2 on passing all the required modules (4) at level 1 (60 credits).

### **E.65.2 Level 2**

A student shall be promoted to the 3rd year level of study on obtaining at least 105 credits and passing Education Practice 101.

### **E.65.3 Level 3**

A student shall be promoted to the 4th year level of study on obtaining at least 210 credits and on passing Education Practice 201.

### **E.65.4 Level 4**

A student shall be promoted to the 5th year level of study on obtaining at least 360 credits and on passing Education Practice 301 and all year level 1 and 2 modules.

### **E.65.5 Level 5**

Students will complete the 5<sup>th</sup> year level of study only when all required modules have been passed and 520 credit points have been obtained.

## **E.66 ADVANCE REGISTRATION**

### **E.66.1 Level 1**

Advance registration does not apply to Level 1.

### **E.66.2 Level 2**

**E.66.2.1** Students may only register for modules in advance at the next level if they do not have more than 45 credits to make up at the current level.

**E.63.2.2** Repeating students (who have not been promoted) should not take more than 90 credits in total, consisting of repeating credits plus anticipated credits, provided that the pre-requisites are met and there are no timetable clashes.

### **E.66.3 Level 3**

**E.66.3.1** Students may only register for modules in advance at the next level if they do not have more than 45 credits to make up at the current level (or lower).

**E.66.3.2** Repeating students (who have not been promoted) should not take more than 90 credits in total, consisting of repeating credits plus anticipated credits, provided that the pre-requisites are met and there are no timetable clashes.

#### **E.66.4 Level 4**

**E.66.4.1** Students may only register for modules in advance at the next level if they do not have more than 45 credits to make up at the current level (or lower).

**E.66.4.2** Repeating students (who have not been promoted) should not take more than 90 credits in total, consisting of repeating credits plus anticipated credits, provided that the pre-requisites are met and there are no timetable clashes.

#### **E.67 RENEWAL OF REGISTRATION**

The renewal of registration will be governed by the Rule A.3.2.3, as stipulated in the University Calendar: General Information Part 1.

#### **E.68 SPECIAL REQUIREMENTS FOR THE PROGRAMME**

**E.68.1** Students will be trained to teach primarily at the Senior Phase of the GET band.

**E.68.2** The Faculty of Education reserves the right not to offer particular learning area specialisations in a particular year.

**E.68.3** The two electives chosen will be taken in all four years which will qualify the student to teach in those two learning areas.

#### **E.68.4 Learning Area Specialisations**

**E.68.4.1** To qualify for admission to ALL Learning Areas, students should obtain at least a Level 4 (50-59%) or a D (HG) or C (SG) in Grade 12 in the subject or area of specialisation.

**E.68.4.2** Students will select any two electives from those listed below based on their Grade 12 results:

- Economic and Management Sciences (EMS): Economics, Business Economics and Accounting
- Languages: Students will follow a general language programme in their first year and then specialize in Afrikaans, English or Xhosa in the second, third and fourth years
- Life Orientation
- Social Sciences
- Mathematics
- Natural Sciences (Students who choose Natural Sciences as an elective will choose Mathematics as the other elective)