

# TERTIARY EDUCATION STATISTICS 2023



HUMAN  
RESOURCE  
DEVELOPMENT  
COUNCIL  
of BOTSWANA



STATISTICS BOTSWANA



# TERTIARY EDUCATION STATISTICS 2023

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# ACRONYMS

<b>BEC</b>	Botswana Examination Council
<b>BDQAF</b>	Botswana Data Quality Assessment Framework
<b>BGCSE</b>	Botswana General Certificate of Secondary Education
<b>BQA</b>	Botswana Qualifications Authority
<b>DTEF</b>	Department of Tertiary Education Financing
<b>DCI</b>	Data Collection Instrument
<b>GER</b>	Gross Enrolment Ratio
<b>HE</b>	Higher Education
<b>HEI</b>	Higher Education Institution
<b>JC</b>	Junior Certificate
<b>JCE</b>	Junior Certificate Examination
<b>HRDC</b>	Human Resource Development Council
<b>MESD</b>	Ministry of Education and Skills Development
<b>NCQF</b>	National Credit and Qualifications Framework
<b>PhD</b>	Doctor of Philosophy
<b>STEM</b>	Science Technology, Engineering and Mathematics
<b>TEI</b>	Tertiary Education Institution
<b>TVET</b>	Technical and Vocational Education and Training
<b>UB</b>	University of Botswana
<b>UIS</b>	UNESCO Institute for Statistics
<b>UNESCO</b>	United Nations Educational, Scientific and Cultural Organisation
<b>VET</b>	Vocational Education and Training



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# FOREWORD

## Professor Alinah K. Segobye



The Tertiary Education Statistics Report is an annual publication prepared by the Human Resource Development Council (HRDC). It collates statistics from all Higher Education Institutions (HEIs) in Botswana and gives a synopsis of the composition and structure of the tertiary education landscape. It serves as a useful source of reference for researchers, policy makers and all other stakeholders within the education sector.

The 2023 publication contains information on student enrolment, disaggregated by a wide range of indicators, including examination results and the teaching staff. The statistics and data provide an indication of the status of tertiary education regarding the range of education fields/programmes offered, institutional capacities, tertiary education outputs such as graduates by fields of study among others. It provides insights on the potential supply of qualified human resources in different areas of specialisation.

The statistics and data produced are used for policy formulation, human resource planning and programming, decision-making, as well as monitoring & evaluation. Moreover, the data in this publication forms a basis for computing indicators required by other statutory institutions at national, regional and international levels. The HRDC relies on tertiary education institutions to provide accurate and timely data.

The HRDC acknowledges and appreciates all Tertiary Education Institutions in Botswana for their continued support

as the primary source of data. We are equally indebted to our strategic partners, the Department of Skills Development in the Ministry of Higher Education as well as Statistics Botswana for their collaboration and provision of quality assurance in the production of this report.

We look forward to your feedback and insights as users of the report to help the HRDC to ensure that the report is a valuable resource. The e-publication is available on the HRDC website, [www.hrdc.org.bw](http://www.hrdc.org.bw)



**Professor Alinah K. Segobye**  
**Chief Executive Officer**  
**Human Resource Development Council**  
**April 2025**

# PREFACE

This Tertiary Education Statistics Report of 2023 is the ninth collaboration statistical product between Statistics Botswana (SB) and Human Resource Development Council (HRDC). In the producing this Tertiary Education Statistics Report, Statistics Botswana provided technical advice and quality assurance as guided by the Botswana Data Quality Assurance Framework procedures and processes. This report was subjected to the provisions and requirements of the DQAF.

With the increasing use of statistics in many professions, Tertiary Education Statistics report is produced to provide timely data and information for the Human Resource Development Council's key stakeholders and other local and international stakeholders, for use in decision making, planning as well as assessing and monitoring the implementation of key policies and programmes which are geared towards developing relevant and globally competitive human resource for Botswana. Furthermore, the statistics provide indications on the level of development on tertiary in terms of the range in education fields/

programmes offered, the institutional capacities, tertiary education outputs such as graduates by fields of education, thus reflecting the potential supply of trained and qualified human resource in different fields of specialisation.

Statistics Botswana joins the Human Resource Development Council in recognising all the stakeholders both public and private for their significant contribution towards the production of this report through provision of the required data.

It is our hope that the users will find this report relevant and beneficial.



**Acting Statistician General**  
**Statistics Botswana**  
**April 2025**



# DEFINITION OF TERMS

**Academic Year:** Annual teaching or examination period during which students attend courses or take final examinations, excluding minor breaks. For Botswana, there are two (2) scenarios: from January to December or from July to May.

**Academic (teaching) Staff:** Staff members who are responsible for direct teaching of students, namely lecturers and researchers.

**Accreditation:** A process of assessment and review that enables an education and training programme or institution to be recognised or certified by the appointed body as meeting appropriate standards.

**Distance Mode of Learning:** The mode of delivering educational instruction to students who are mostly not present physically in a traditional setting such as a lecture room.

**First-time Entrants into Tertiary Education:** Students who are enrolling in tertiary education for the first time regardless of age and without previous education at any other tertiary level. They may enter tertiary education at different levels through short-cycle tertiary (ISCED 4 or lower levels) or bachelor's (ISCED 6).

**Gross Enrolment Ratio:** The number of students enrolled in a level of education, whether they belong in the relevant age group for that level as a percentage of the population in the relevant age group for that level or not. Estimates are based on the UNESCO's classification of education levels.

**Inbound Students:** Students who left their country of origin and moved to another country for the purpose of study.

**Offering Type/Mode of Delivery:** The range of options for study available to students. Examples include; face-to-face attendance in a classroom, supervised study on a HEI campus, eLearning (online learning), distance or independent learning, work-integrated learning, block release and mixed (or blended) delivery.

**Part-time:** Programmes consisting of 75% or less in an academic year. Also includes programmes less than twenty-four (24) weeks of study or placement per academic year.

**Other Private Entities:** Includes private businesses and non-profit organisations (e.g. religious organisations, charitable

organisations, business and labour associations and other non-profit organisations).

**Professional Qualification:** A degree that represents a substantial attainment of a body of outcomes of learning greater than and in advance of a Bachelor's degree. Normally, the degree entails a substantial element of 'learning by doing' and is often focused on preparation for entry into a professional field of practice.

**Tertiary Education:** A programme which is offered beyond the level of Senior Secondary Education including Technical and Vocational Education and Training (TVET) and other such programmes with a set of theoretical foundation through to advanced research qualifications.

**Tertiary Education Institution:** A public or private post-secondary education and training institution including a university.

**Vocational Education and Training (VET) Programmes:** Programmes that prepare participants for direct entry into specific occupations without further training. Successful completion of such programmes leads to a vocational or technical qualification that is relevant to the labour market.

# EXECUTIVE SUMMARY

The Tertiary Education Statistics Report presents statistical data and a comprehensive analysis of education indicators within the tertiary education sector of Botswana. It provides information disaggregated by type of institution, enrolment, graduation and academic staff across both Higher Education (HE) and Technical and Vocational Education and Training (TVET) institutions. It further provides trend analysis of tertiary education enrolments from 2015 to 2023 that informs policymakers, educators and stakeholders. Chapters contained within include among others, student enrolment in participating tertiary institutions; access to tertiary education (new entrants and the transition rates); participation in the system, students' sponsorship, international students and the profiles of teaching staff members.

The data used in the production of the report was obtained through the tertiary education institutions' census carried out between the 1st October 2022 to 31st March 2023. Key units of analysis included students, academic staff and institutions. The Report shows that there were 60,215 students enrolled in 79 tertiary education institutions during the 2022/23 academic year. Public institutions accounted for 75% of enrolments, with universities having majority of the student population. Notably, the University of Botswana enrolled 18,850 (31.3%) students, attributing a significant increase of 11% from the previous academic year. Although the overall tertiary enrolment saw a modest growth of 1.2% from the previous year, there is a notable gender disparity, with females representing 58.8% of the total student population. The trend of female dominance in enrolment continues across higher education institutions over the years.

The overall undergraduate enrolment by ISCED level stood at 55,677 with 65% enrolled at the Bachelor's degree level. The post-graduate enrolment was at 3,397, recording the highest post-graduate enrolment ever in the history of the country. The learning field of 'Business, Administration and Law' had the highest enrolment with 17,430 students, representing 29.9% of all tertiary students. The combined fields of Science, Technology, Engineering and Mathematics (STEM) had a total of 19,324 enrolled student population. The proportion of female students recorded was lower in the STEM fields, with only 38.3% enrolled compared to their male counterparts.

Other key highlights of the Report indicate that the number of international students had increased significantly by 901 from 1,316 in 2022 to 2,217 in 2023. The Gross Enrolment Ratio and participation rate in technical and vocational programmes were 22.0 and 2.1 percent respectively. Graduation trends revealed a slight decrease in the total number of graduates, with 14,450 students completing their programs in 2022. Despite this, the overall graduation rate remained high at 82.4%, indicating a strong throughput in tertiary education. Business, Administration and Law, followed by Engineering, Manufacturing and Construction had comparatively more enrolments and graduates. The Report further examined the staff composition among tertiary institutions. A total of 3,247 academic staff members were employed, with the majority employed by public institutions. The Report points to the need to maintain a well-qualified workforce to uphold educational quality and to address gender imbalances in academic staffing especially where men are predominant with the exception of Education and Health where it is predominantly female.

# INTRODUCTION

The Human Resource Development Council (HRDC) collects, collates, analyses and reports on data from all accredited Tertiary Education Institutions (TEIs) in an effort to make available, comprehensive and reliable data for policy formulation and planning. The tertiary education institutional censuses are conducted annually and used for the production of reports covering various aspects of the education and training sector. The 2023 Report is the ninth (9th) in the series. It builds upon data and trends from previous reports and serves as an invaluable repository of knowledge for the reference period. It provides aggregated performance of selected tertiary education indicators in Botswana during the 2022/23 academic year.

## Tertiary Education Sector Context

Tertiary education in Botswana comprises of two (2) main categories; Higher Education (HE) and Technical and Vocational Education and Training (TVET). The Higher Education is made up of Universities, Colleges, Institute of Health Sciences, Teacher Training Colleges and the Technical Colleges, while TVET covers Brigades and the Vocational Education Training (VET) institutions. Higher Education is based on level 6 to 10 while TVET is on level 1 to 5 of the Botswana's National Credit and Qualifications Framework (NCQF) overseen by Botswana Qualifications Authority (BQA). Admission to higher education depends on the performance of students at senior secondary school level. The tertiary education level offers professional qualifications intended to meet the skills needs in the economy.

## Objectives of the Report

Objectives of the Report are to:

1. Share the 2023 tertiary education indicators;
2. Provide baseline statistics;
3. Promote the usage of statistics in education planning and management;
4. Provide insight into the current status of tertiary education and training in Botswana.

## Methodology

The methodology employed in conducting the Tertiary Education Statistics Report for the year 2023 adheres to the rigorous standards set forth in the previous reports, thus ensuring reliability and validity of the data presented. This section details the methodological approach, encompassing the scope, data collection instruments, data processing and analytical procedures as well as quality assurance measures.

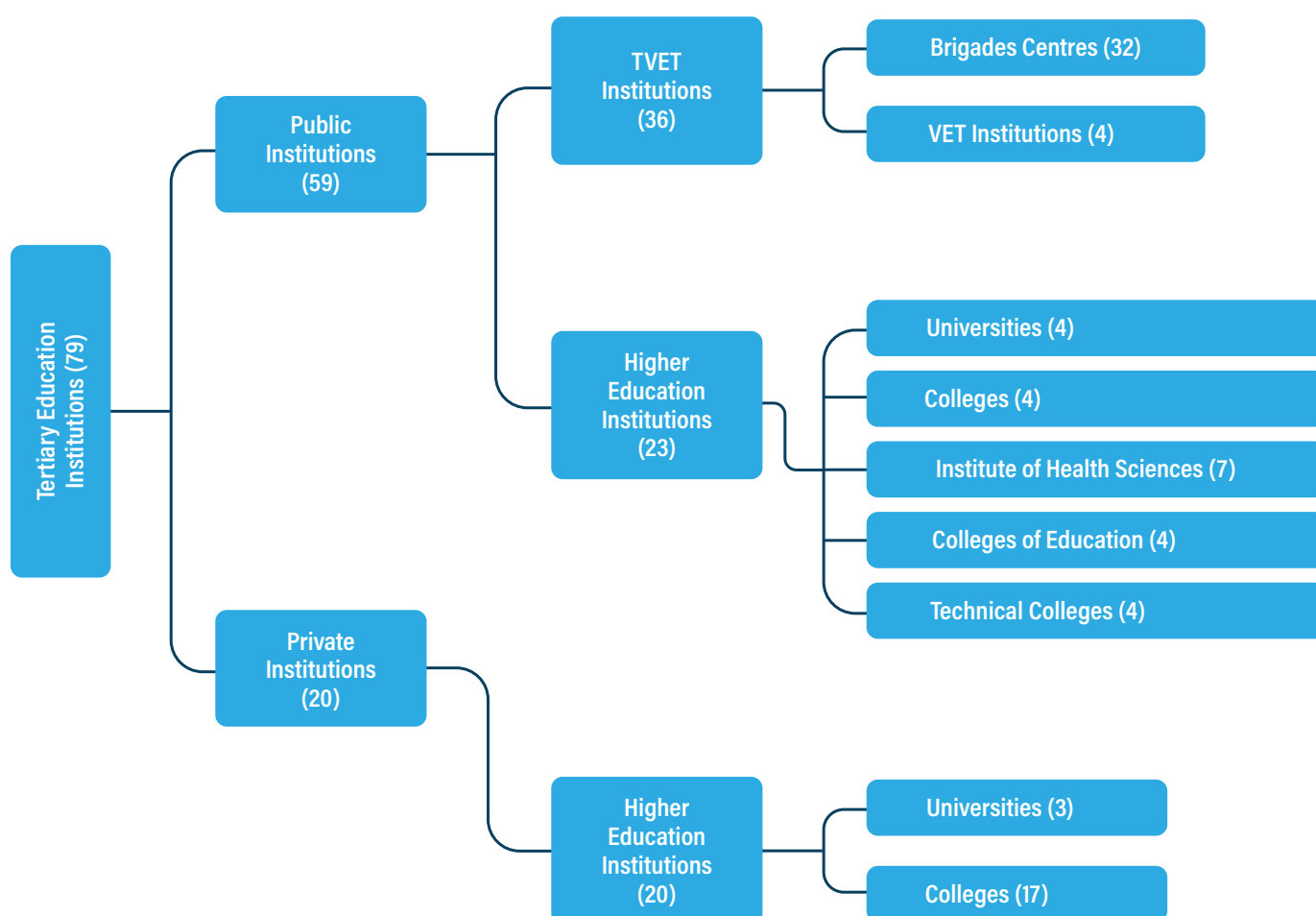
## Scope of the Report

The Tertiary Education Statistics Report analyses statistics from Tertiary Education Institutions registered with Botswana Qualifications Authority during the reference year, 2022/23. The proprietorship was categorised into public and private institutions, where the former are institutions established and fully supported by the government, and the latter are those run by individuals or organisations in the private sector.

The 2023 annual institutional census covered 79 TEIs of which 59 were public and 20 were private. A further disaggregation by type of institution constituted a total of 43 Higher Education and 36 TVET institutions. Data collection started on the 1st October 2022 to the 31st March 2023, thus falling within the limits of the 2022/23 academic year which started on the 1st of July 2022 to the 31st May 2023. Figure 1 is a presentation of tertiary institutions that participated in the 2023 institutional census, disaggregated by proprietorship and institution type.



Figure 1: Tertiary Education Institutions - 2023



Source: Botswana Qualifications Authority 2023

## The Data Collection Instrument

The Data Collection Instrument (DCI) used is a Microsoft Excel template designed to be populated with administrative data from TEIs and it is structured to collect data from HEIs and TVET institutions at all levels. Soft copies of the DCI were sent to each TEI by email and a deadline of 31st March 2023 was set for the completion of the data collection exercise.

At each institution, data collected included information on:

- ▶ **School Profile:** School name, type of ownership, hierarchy, number of faculties and teaching departments, programme delivery, programme names with associated modules and availability of the library.
- ▶ **Students:** Total number of students enrolled by full names and identity number, date of birth, sex, programme of study, level and name of the sponsor. Similar characteristics were collected for graduates and drop outs.
- ▶ **Teaching and Non-Teaching Staff:** Number of teachers distributed by qualification (academic and professional) and responsibilities assigned in school, the subjects taught and non-teaching staff holding various positions.

The instrument further captured data on the nationality of both students and staff members. Data on nationality of students was used to analyse the mobility of international students studying in local institutions. Other supplementary records on education related statistics were sourced from stakeholders and they included the following; the projected target population aged between 18 to 24 years from Statistics Botswana, the total number of registered institutions from BQA and the total number of students who sat for the Botswana General Certificate of Secondary Education (BGCSE) from Botswana Examination Council (BEC).

## Quality Control

Focal persons at institutions were responsible for correctly and accurately completing their institutions' template. Designated officers at the Department of Skills Development in the Ministry of Higher Education and HRDC supervised the process for TVET and HEIs respectively. All templates were checked and updated accordingly.

## Response Rate

The response rate for the 2023 census was exemplary, standing at 100% for all participating institutions. This high level of participation enhanced the representativeness and completeness of the data collected.

## Analysis

The data provided by the TEIs was cleaned, collated and validated to ensure data quality. Errors were checked and identified errors were communicated to the institution for correction. In-house data analysis was conducted using Microsoft Excel and Access, aligning with international best practice methods and guidelines. The analysis process involved standardisation based on the UNESCO's International Standard Classification of Education (ISCED), reinforcing the global comparability of the findings (Refer to the 2023 metadata summary for detailed information).

## Quality Assurance

The production of the 2023 Tertiary Education Report underwent the Botswana Data Quality Assessment Framework (BDQAF) process facilitated by Statistics Botswana. This rigorous quality assurance procedure ensures accuracy, reliability and credibility of the presented data.

## Methodological Challenges

While the Report endeavours to present a comprehensive set of tertiary education indicators, challenges akin to those encountered in the previous year's persisted. Key challenges include; late submissions beyond the reference period, data gaps or incomplete submissions and instances of data inconsistency. Despite these challenges, the methodology remains robust, providing a foundation for insightful analysis and informed decision-making.

# CHAPTER 1: TRANSITION TO TERTIARY EDUCATION

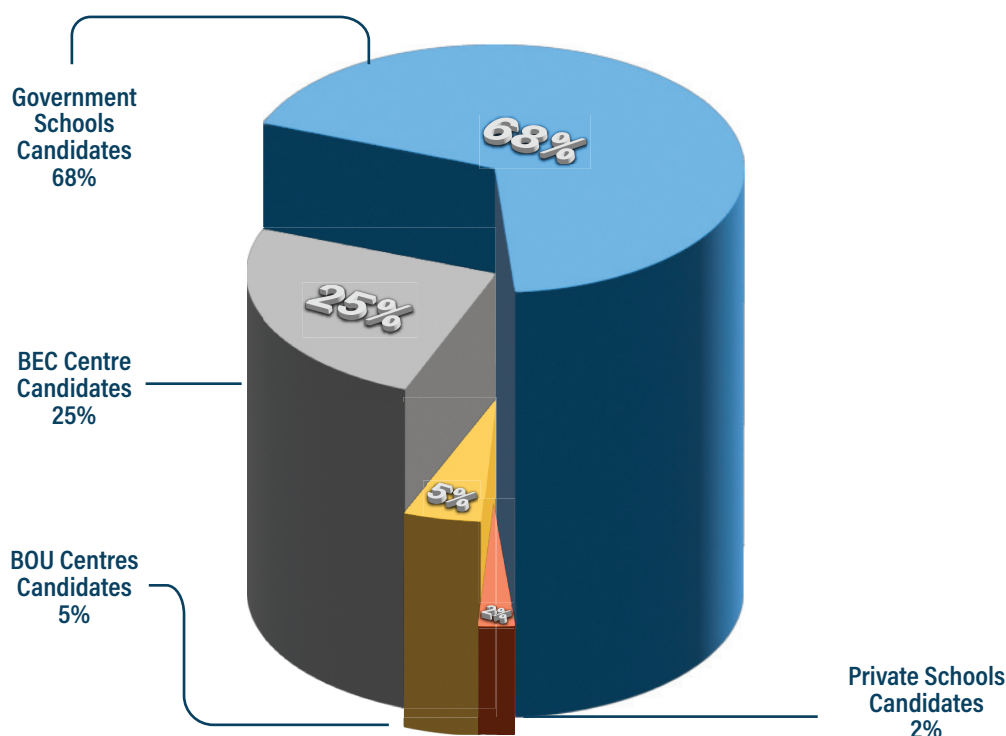
## Direct Transition to Tertiary Education

The Government of Botswana provided a process that ensured prospective tertiary education students can navigate between TVET and higher education. Students enter tertiary education directly from secondary (junior or senior) school level. Criterion for entry to tertiary level is such that at the national level, direct admission to higher education institutions follows the successful completion of the Botswana General Certificate of Secondary Education and other equivalent assessments. The BGCSE is offered at senior (often referred to as upper) secondary schools only. On the other hand, entry requirements at some<sup>1</sup> TVET institutions is lowered to accommodate students with Junior Secondary Schools Certificate (JC). The Junior Certificate Examination (JCE) is a high-stakes examination informing mainly, selection into senior secondary schooling. In the same manner, candidates failing to meet the minimum requirements in JCE and not admitted to upper secondary level are often absorbed under Vocational Education Training system. One possible reason for the lowered entry requirement could be to ensure access to more learning opportunities that are flexible to accommodate a wide range of students' skills and learning aptitudes.

## Botswana General Certificate of Secondary Education Candidates

The Botswana General Certificate of Secondary Education examination is a syllabus-based assessment where candidates are awarded certificates in respect of each syllabus sat for, (Botswana Examination Council, 2022). The 2023 prospective tertiary education students were borne from a cohort of 35,199 candidates whose examination took place from the 6th to the 17th November 2022. The cohort comprised of candidates from public schools, private schools and individual candidates who registered directly with BEC. Figure 2 is a pie chart showing the proportions of the 2022 cohort who sat for BGCSE with Botswana Examinations Council.

Figure 2: 2022 BGCSE Chort



Source: Botswana Examinations Council 2022

<sup>1</sup> Institutions offering qualification leading to certificate III of the National Credit and Qualification Framework



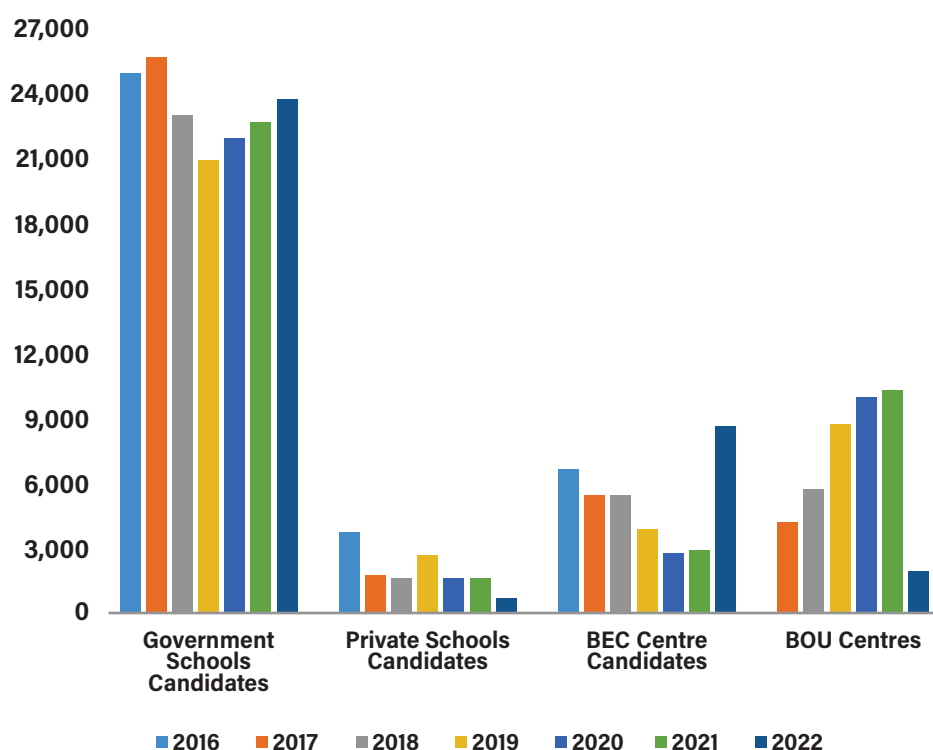
## BGCSE Candidature Trends: 2016-2022

Table 1: BGCSE Candidature Trends: 2016-2022 Disaggregated by Year and Centre

Year	Government Schools Candidates	Private Schools Candidates	BEC Centre Candidates	BOU Centres	Total Number of Candidates
2022	23,878	676	8,716	1,929	35,199
2021	22,811	1,621	2,899	10,298	37,629
2020	22,141	1,660	2,815	9,941	36,557
2019	21,130	2,722	3,976	8,680	36,508
2018	23,126	1,670	5,494	5,655	35,495
2017	25,802	1,794	5,473	4,182	37,251
2016	25,016	3,785	6,664	-	35,465

Source: Botswana Examination Council 2022

Figure 3: BGCSE Candidature Trends: 2016-2022



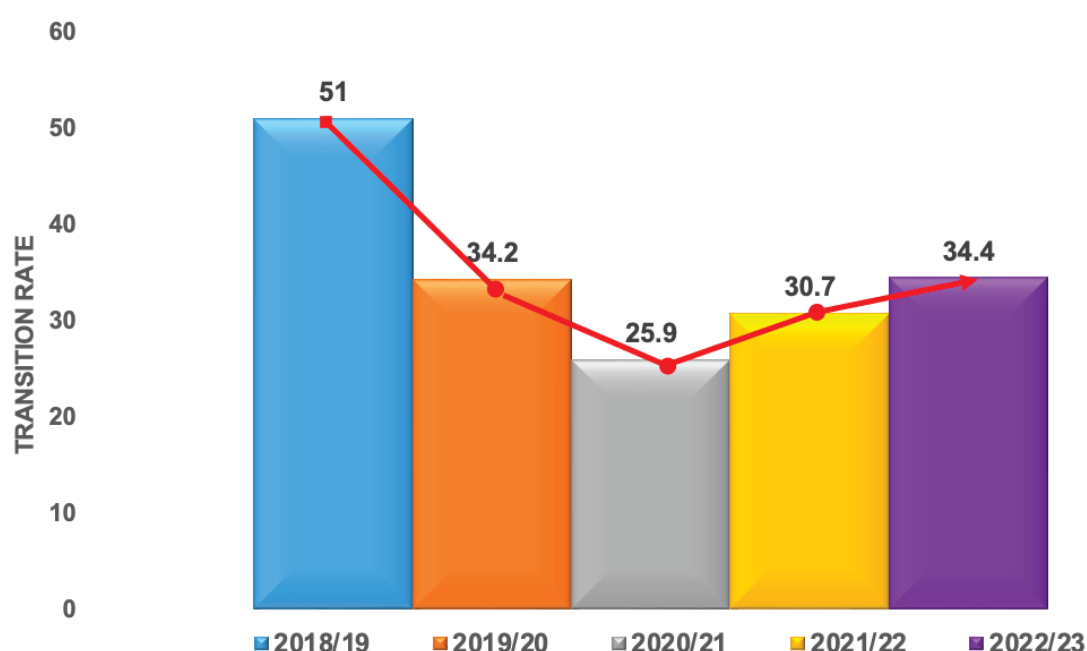
In the last six years, the total number of Botswana General Certificate of Secondary Education Candidates has been fluctuating, with the least recorded number being 35,465 in 2016 and the highest of 37,629 in 2021. As for the year under review, the total number of candidates decreased by 6.5 % from 37,629 in 2021 to 35,199 in 2022.

Figure 3 indicates that a large portion of candidates were from government schools and their numbers have been increasing since 2020 to 2022. The lowest trends of candidates were from private schools.

## Transition Rate

During the academic year 2022/2023, **12,948<sup>2</sup>** students were registered as first-time entrants by tertiary education institutions. First-time entrants to tertiary institutions are individuals registered for an undergraduate course for the first time and have not previously registered in any tertiary education institution. The 2022/23 transition rate from secondary education to tertiary level constituted 34.4% of the 2022 BGCSE's cohort of 37,629 students. This represented an increase of 3.7% from 30.7% recorded in 2022.

*Figure 4: Transition Rate – Trends*



Source: Botswana Examination Council 2022

Tertiary Education Statistics 2022 & 2023

*\*NOTE: Data excluded students who successfully completed their BGCSE and registered for A-levels.*

Data presented in Figure 4 indicates that, on average, at least 26% of the prospective tertiary students (i.e. JCE and BGCSE leavers) proceeded to tertiary education in Botswana. It is imperative to note from the chart, a remarkable decline in transition rate during COVID-19 era and thereafter a significant increase post COVID-19. For the year under review, a minimum of 34.4% was registered as first-time entrants with local TEIs.

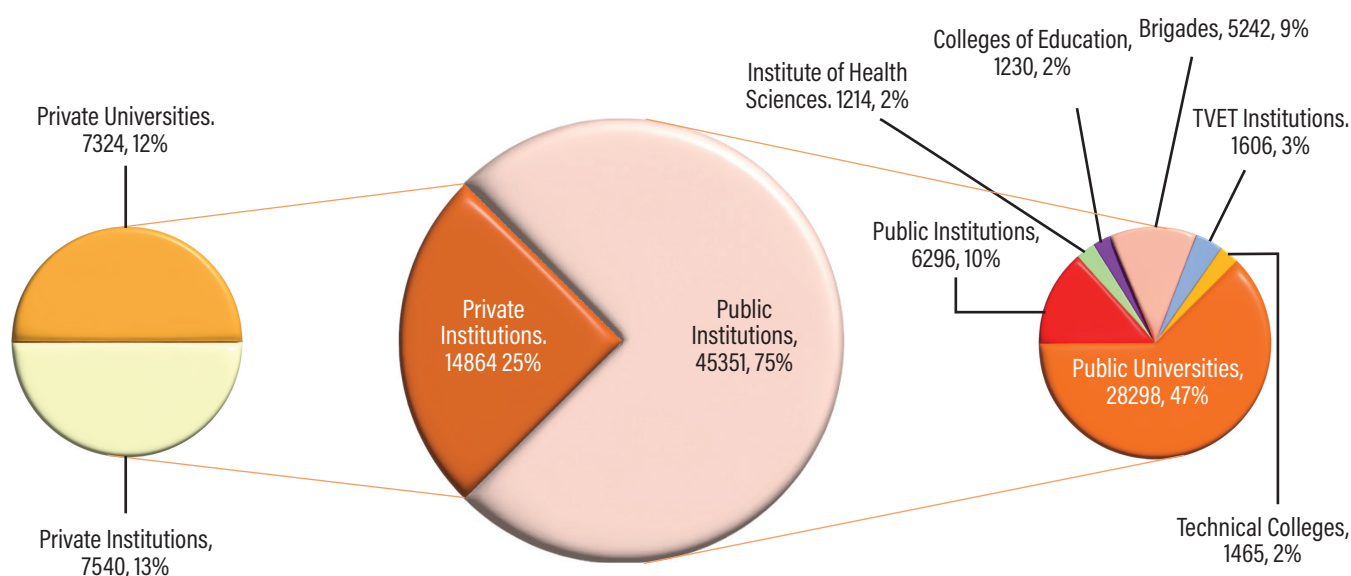
<sup>2</sup> Derived from first-time entrants students registered for undergraduate programmes only and aged 18-21 for Higher Education Institutions and 15-21 for TVET Institutions.

# CHAPTER 2: TERTIARY ENROLMENTS

## 2023 Tertiary Enrolments

In 2023, the number of tertiary institutions in Botswana had dropped from 80 in 2022 to 79. The decrease was a result of the closure of Roads Training Centre (RTC), a public TEI whose services were suspended. As a result, the 2022/23 census results indicate that there were 60,215<sup>3</sup> students studying in Botswana across all tertiary institutions. These enrolments were for students pursuing programmes leading to qualification level 3 and above of the National Credit and Qualification Framework<sup>4</sup> (NCQF). Figure 5 shows the distribution of the 2023 tertiary education enrolment by institution type.

*Figure 5: 2023 Tertiary Enrolments by Type of Institution*



Source: Tertiary Education Institutions 2023

### Key Highlights:

- Public funded institutions accounted for 75% of local tertiary enrolments.
- Within the public funded institutions, universities enrolled the highest number of students and had the highest proportion of student enrolment at 47% (28,298). The largest share was from University of Botswana (UB) with a total enrolment of 18,850 students.
- From the 25% of enrolment in private tertiary institutions, 12% (7,324) were for private universities and 13% (7,540) were enrolled in other regular private institutions/colleges.
- Enrolment was low in TVET Institutions (i.e. both Brigades and TVET Institutions), with a total of 6,848 (11.4%) students.
- The seven (7) Institute of Health Sciences (IHS) and the four (4) Colleges of Education enrolled a total of 2% each.

<sup>3</sup> Domestic and international students that enrolled during the academic year.

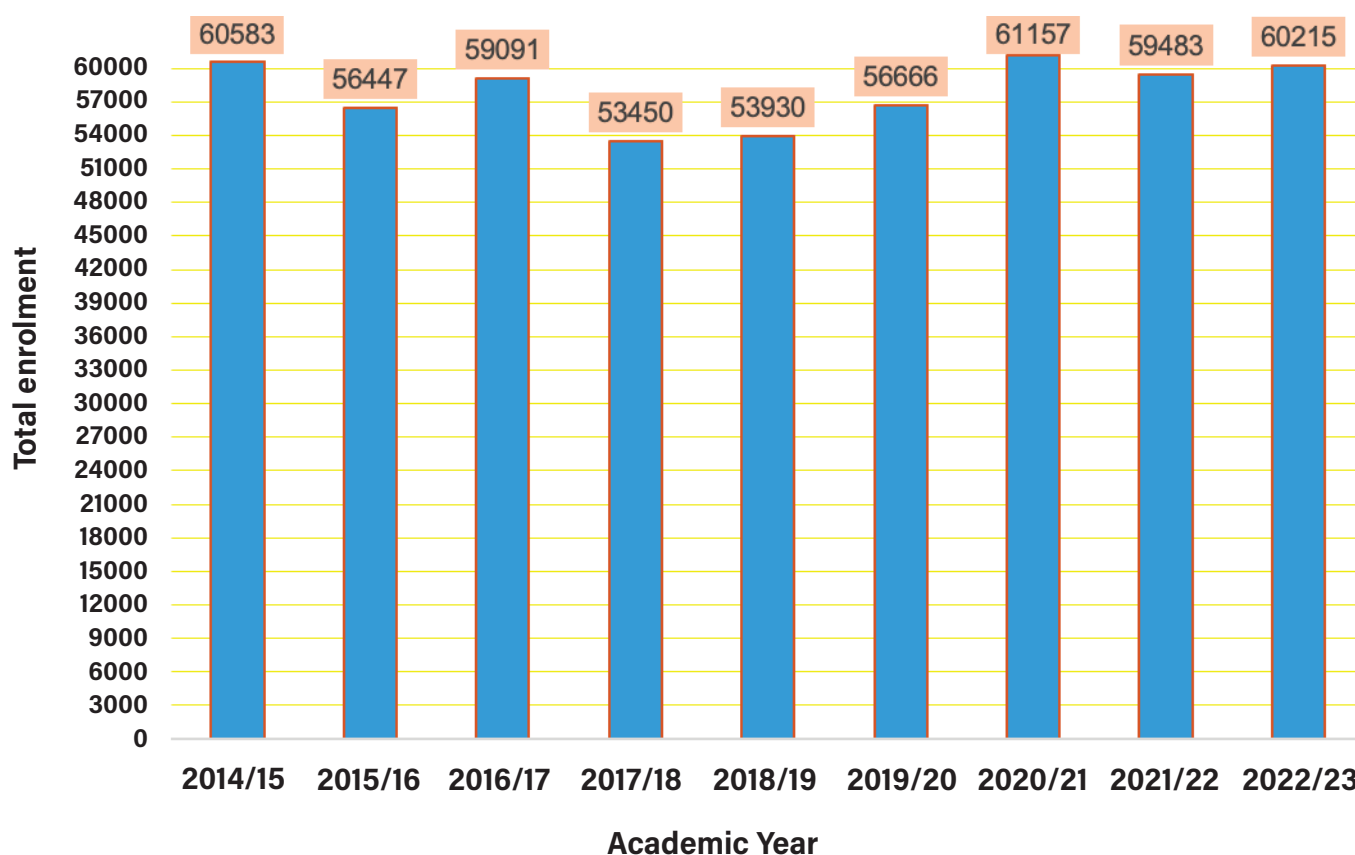
<sup>4</sup> See annexure 11



## Enrolment Trends

During the academic year 2022/23, overall tertiary enrolments increased by 1.2% (732) to a total of 60,215 students compared to 59,483 in 2021/22. This was a significant turnaround from previous academic periods which showed enrolment numbers gradually declining for the last several years. Over the past seven (7) years, enrolments fluctuated between 59,091 and 60,215. The 2020/2021 academic year recorded the highest at a total of 61,157 students. Figure 6 shows the tertiary education enrolment trends from academic years 2014/15 to 2022/2023.

*Figure 6: Tertiary Enrolment Trends - 2015-2023*

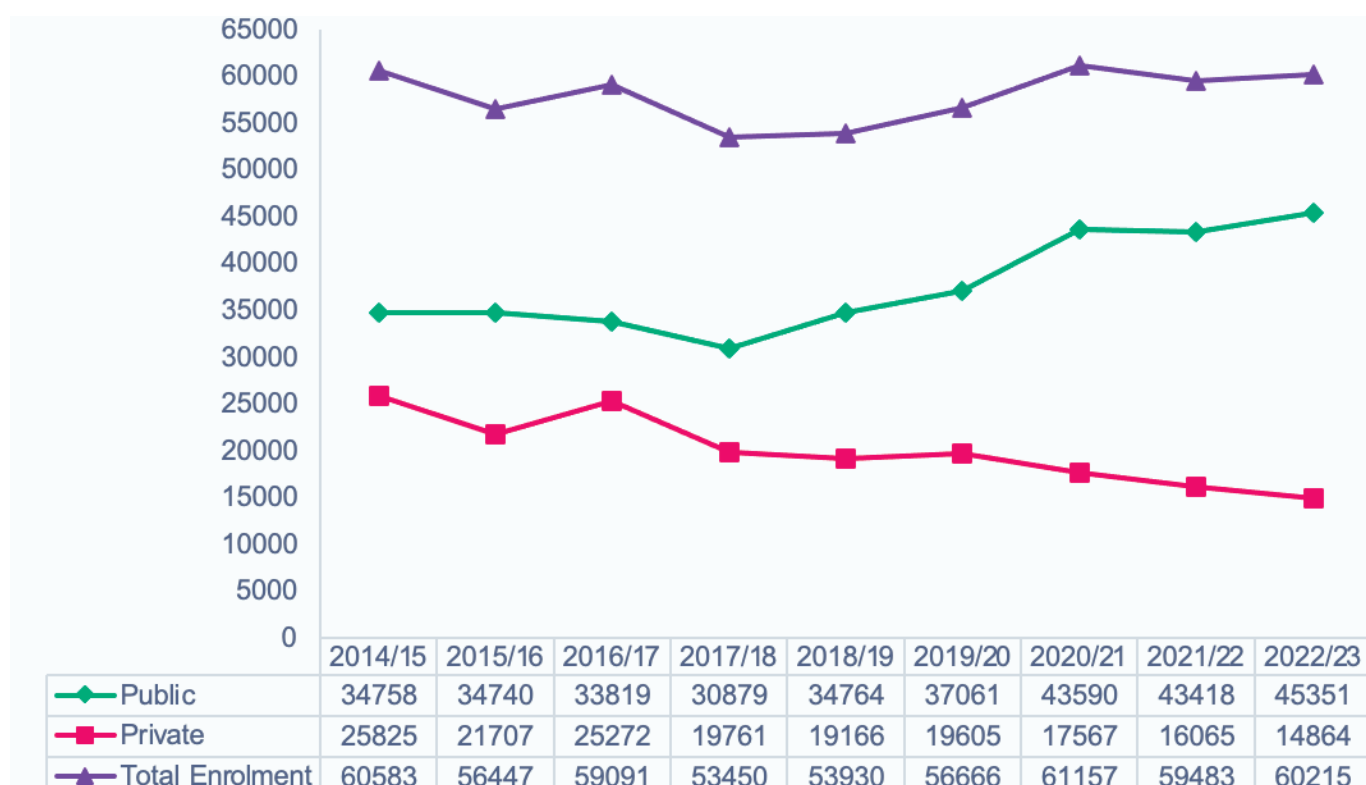


*Source: Tertiary Education Institutions 2023 & Tertiary Education Statistics Report 2022*

The trends shown in Figure 6, indicate that the system experienced fluctuations in total enrolments, with the lowest (53 450) recorded in 2017/18 and the highest of 61,157 in 2020/21.

## Enrolment Trends by Type of Institution

Figure 7: Enrolment Trends by Type of Institution



Source: Tertiary Education Institutions 2023 & Tertiary Education Statistics Report 2022

Key Highlights of Figure 7 show that while enrolment in Private schools experienced a gradual drop over the years from 2017/18 to 2022/23, enrolment in Public schools continued to increase by at least one (1) percentage point margin, recording an increase from 43,418 in 2021/22 to 45,351 in 2022/23, a 4.5% increase; whereas enrolment in private institutions dropped from 17,567 in 2020/21 to 16,065 (a decline of 8.6%) in 2021/22 and to 14,864 (a further decline of 7.5%) in 2022/23.

## Gender Parity in Tertiary Enrolments Trends

Historically, more males participated at higher education compared to females; with more males pursuing tertiary education and obtaining degrees. However, the trends have changed as literature indicates that participation at higher education is fast attaining gender equality globally. Currently, females are outnumbering males in higher education institutions which has resulted in the "reversal of the gender gap" in most countries of the world (Zakee et al, 2022). This changing gender gap posits questions for further research. Locally, tertiary enrolment trends indicate that gender disparity in tertiary education has changed; females are more dominant than male students. Similarly, the pattern indicated a more rapid increase for the females than males. Table 2 presents the trends on total enrolment disaggregated by sex for the past seven (7) academic years.

**Table 2: Trends on total enrolment disaggregated by Sex**

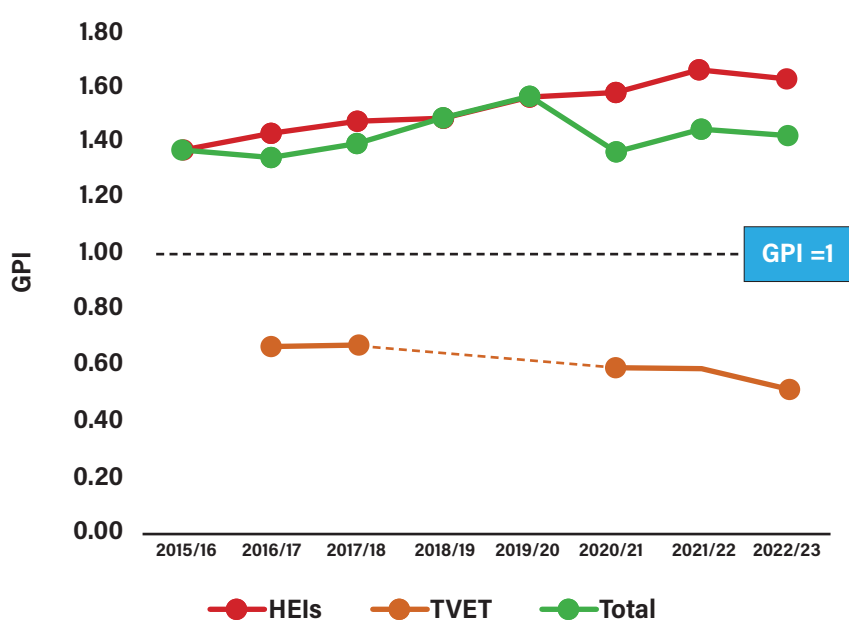
Academic Year	Number			Percent (%)	
	Females	Males	Both Sexes	Females	Males
2015/16	32,670	23,777	56,447	57.9	42.1
2016/17	33,919	25,172	59,091 *	57.4	42.6
2017/18	31,146	22,304	53,450 *	58.3	41.7
2018/19	32,255	21,675	53,930	59.8	40.2
2019/20	34,505	22,161	56,666	60.9	39.1
2020/21	35,317	25,840	61,157 *	57.7	42.3
2021/22	35,168	24,315	59,483 *	59.1	40.9
2022/23	35,400	24,815	60,215 *	58.8	41.2

Source: Tertiary Education Institutions 2023 & Tertiary Education Statistics Report 2022

- Female enrolment has been consistently recorded at more than 57% of the total enrolment for the past eight (8) years. In 2022/23, female students represented 58.8% and the male 41.2% of the total number of students.
- Furthermore, a significant increase of 2.1% (i.e. from 24,315 to 24,815) was recorded for male students' enrolment compared to 0.7% (35,168 to 35,400) increase recorded for female students' enrolment.
- In summary, the enrolment trends over the past eight (8) academic years indicated an average enrolment growth rate of 0.0125% for females and 0.0095% growth rate for males.

## Gender Parity Index

**Figure 8: Gender Parity Index-Total Enrolment**



Gender Parity Index (GPI) for tertiary enrolment is calculated as the ratio of females to males enrolled at tertiary level. Figure 8 shows that there has been a rise in the number of females than males enrolled in HEIs. On the other hand, it shows the underrepresentation of females enrolled for the TVET programmes.

Source: Tertiary Education Institutions 2023 & Tertiary Education Statistics Report 2022



## Enrolment by Type of Institution and Sex

**Table 3: Enrolment by Type of Institution and Sex**

Type of Institution	Female	Male	Total	% Female
Brigades	1,790	3,452	5,242	34.1
TVET Centres	558	1,048	1,606	34.7
Technical Colleges	743	722	1,465	50.7
Colleges of Education	871	359	1,230	70.8
Institute of Health Sciences	822	392	1,214	67.7
Private Institutions	4,854	2,686	7,540	64.4
Private Universities	4,173	3,151	7,324	57.0
Public Institutions	3,984	2,312	6,296	63.3
Public Universities	17,605	10,693	28,298	62.2
<b>Total</b>	<b>35,400</b>	<b>24,815</b>	<b>60,215</b>	<b>58.8</b>

Source: Tertiary Education Institutions 2023

Table 3 shows that TVET institutions had a relatively lower share of female enrolment (34.1% in Brigades, 34.7% in other regular centres and 50.7% at Technical Colleges). Colleges of Education had the largest share of female population at 70.8%.

## Enrolment by ISCED Level (Qualification) and Sex

**Table 4: Enrolment by Qualification Level and Sex**

Level	Female	Male	Total	% Female
Trade Test C	1,140	2,402	3,542	32.2
Trade Test B	559	1,115	1,674	33.4
Certificate <sup>5</sup>	2,159	1,615	3,774	57.2
Diploma <sup>6</sup>	7,513	3,283	10,796	69.6
Bachelor's Degree	21,345	14,546	35,891	59.5
Post Graduate Diploma	189	80	269	70.3
Master's Degree	1,771	1,287	3,058	57.9
Doctor of Philosophy	144	195	339	42.5
Professional Qualifications	572	289	861	66.4
Other <sup>7</sup>	8	3	11	72.7
<b>Total</b>	<b>35,400</b>	<b>24,815</b>	<b>60,215</b>	<b>58.8</b>

Source: Tertiary Education Institutions 2023

Table 4 shows that more students were enrolled at the Bachelor's level which had a total of 35,891 students (59.6%) of all students registered in 2023. Furthermore, a total of 55,677 students were enrolled at undergraduate level. Master's Degree and Doctor of Philosophy programmes recorded a total of 3,058 and 339 students respectively. Besides enrolment by qualification level, gender discrepancies were noticed for various academic levels where female students predominated. From the total enrolled at Bachelor's level, 21,345 (59.5%) were females and 14,546 (40.5%) were males. However, the gender differences were insignificant at post graduate level.

<sup>5</sup>Includes Certificate, Advanced Certificate, Post Graduate Certificate and National Craft Certificate (NCC)

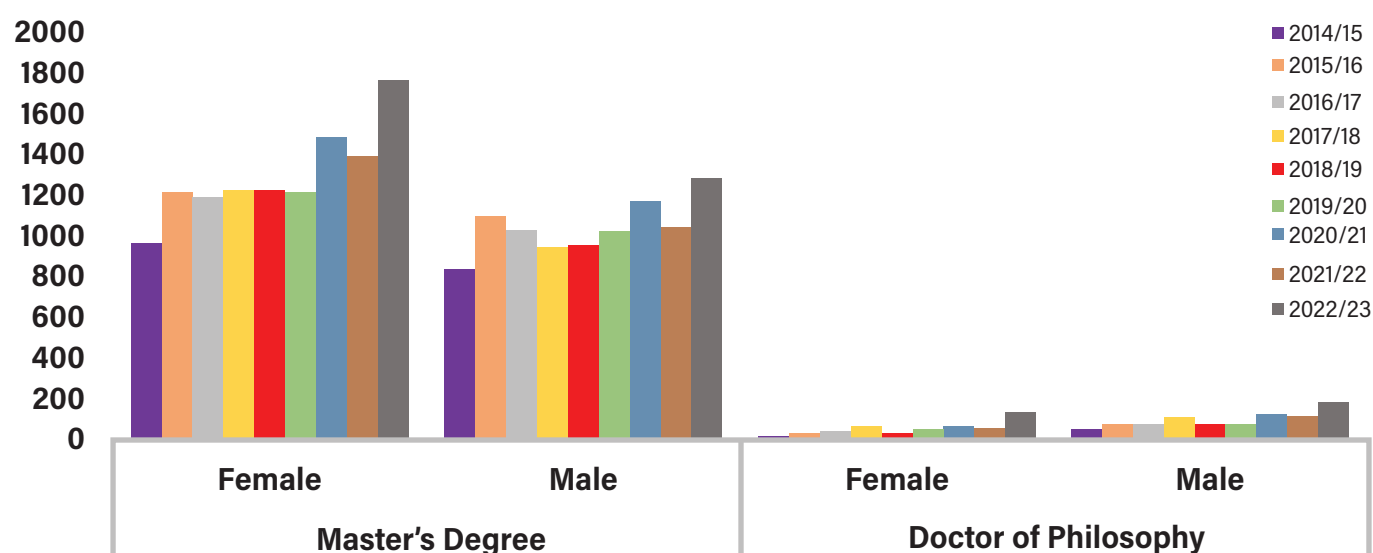
<sup>6</sup>Diploma programmes are Diploma, Advanced Diploma, Post Basic Diploma and Associate Degree.

<sup>7</sup>Exchange programmes for international students with Botho University, Botswana Accountancy College, and University of Botswana.

## Post Graduate Enrolment - Trends

Figure 9 and Table 5 provide summaries of post graduate enrolment trends by sex. Statistics indicated an increase in number of post graduate enrolment over the years and the highest number of post graduate students (3,058 for Masters and 339 for PhD) were enrolled in 2023 (cf. table 5). It is worth noting the increase in the share of females PhD enrolment over the years, for example back in 2014/15 only 29% of the females were enrolled for PhD and the share has since increased to 42% in 2023.

Figure 9: Post Graduate Enrolment Trends



Source: Higher Education Institutions 2023 & Tertiary Education Statistics Report 2022

Table 5: Post Graduate Enrolment Trends by Sex

Academic Year	Master's Degree			Doctor of Philosophy		
	Female	Male	Total	Female	Male	Total
2014/15	1,037	849	1,886	27	67	94
2015/16	1,264	1,132	2,396	42	91	133
2016/17	1,243	1,068	2,311	50	93	143
2017/18	1,273	990	2,263	75	118	193
2018/19	1,270	996	2,266	40	83	123
2019/20	1,267	1,061	2,328	64	87	151
2020/21	1,507	1,198	2,705	78	139	217
2021/22	1,429	1,078	2,507	68	130	198
2022/23	1,771	1,287	3,058	144	195	339

## Enrolment by Qualification and Type of Institution

**Table 6: 2023 Enrolment by Qualification and Type of Institution - HEIs**

Institution	Certificate	Diploma	Bachelors	Masters	PhD	Prof	Total
Colleges of Education		1,230					1,230
Institute of Health Sciences		1,214					1,214
Private Institutions	1,123	2,262	4,026	16		113	7,540
Private Universities	108	939	5,785	473		19	7,324
Public Institutions	183	462	4,814	108		729	6,296
Public Universities	208	4,013	21,266	2,461	339		28,287
Technical Colleges	520	945					1,465
<b>TOTAL</b>	<b>2,142</b>	<b>11,065</b>	<b>35,891</b>	<b>3,058</b>	<b>339</b>	<b>861</b>	<b>53,356</b>

Source: Higher Education Institutions 2023

**Table 7: 2023 Enrolment by Qualification and Type of Institution - TVET Institutions**

Institution	Trade Test C	Trade Test B	Certificate	Diploma	Bachelors	Masters & PhD	Total
Brigades	3,022	1,409	811				5,242
TVET Centres	520	265	821				1,606
<b>TOTAL</b>	<b>3,542</b>	<b>1,674</b>	<b>1,632</b>				<b>6,848</b>

Source: TVET Institutions 2023

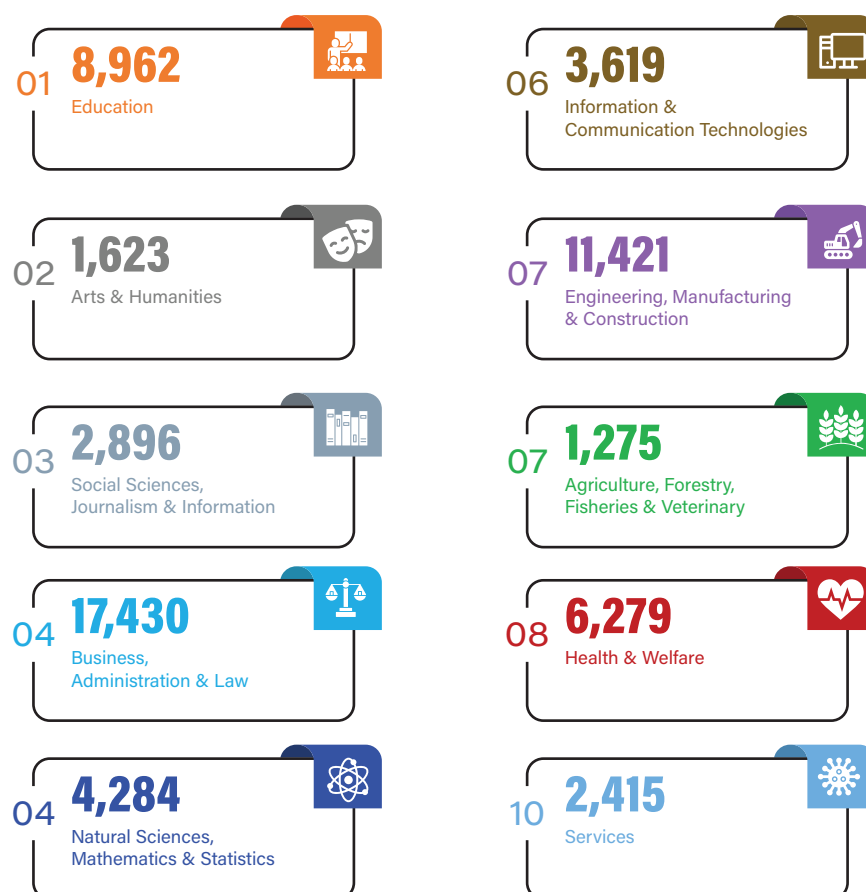
### Key Highlights:

- Doctor of Philosophy programmes are offered only in public universities (Botswana International University of Science and Technology, Botswana University of Agriculture and Natural Resources, and University of Botswana).
- Majority of students enrolled in Brigades studied at lower qualification levels; 57.6% of all students were in Trade Test C programmes, 26.9% in Trade Test B and only 15.5% in Certificate courses.

## Enrolment by ISCED Field of Education

The 2023 student enrolments were classified in accordance with the UNESCO's International Standard Classification of Education (ISCED) and the results are as per Figure 10:

Figure 10: Enrolment by ISCED Field of Education



Source: Tertiary Education Institutions 2023

Figure 10 provides student statistics by ISCED field of learning. Key highlights are as follows: The learning field of 'Business, Administration and Law' had the highest enrolment in 2023, with 17,430 students. This field represented 29.9% of all tertiary students. A total of 11,421 students were enrolled in the field of Engineering, Manufacturing and Construction while 4,284 were enrolled in Natural Sciences, Mathematics, and Statistics. These figures correspond to 19.0% and 7.1% of all tertiary students in tertiary institutions, respectively. Additionally, there were 3,619 (6.0%) of all tertiary students studying in the field of information and communication technologies. In total, Science, Technology, Engineering and Mathematics<sup>8</sup> (STEM) fields accounted for 32.1% (19,324) of all students and this represented an increase of three (3) percentage points from the 29% recorded in 2022. Agriculture, Forestry, Fisheries & Veterinary was the lowest field of learning with only 2.1% of tertiary students.

<sup>8</sup> STEM streams (Engineering, Manufacturing & Construction, Information & Communication Technologies and Natural Sciences, Mathematics & Statistics).



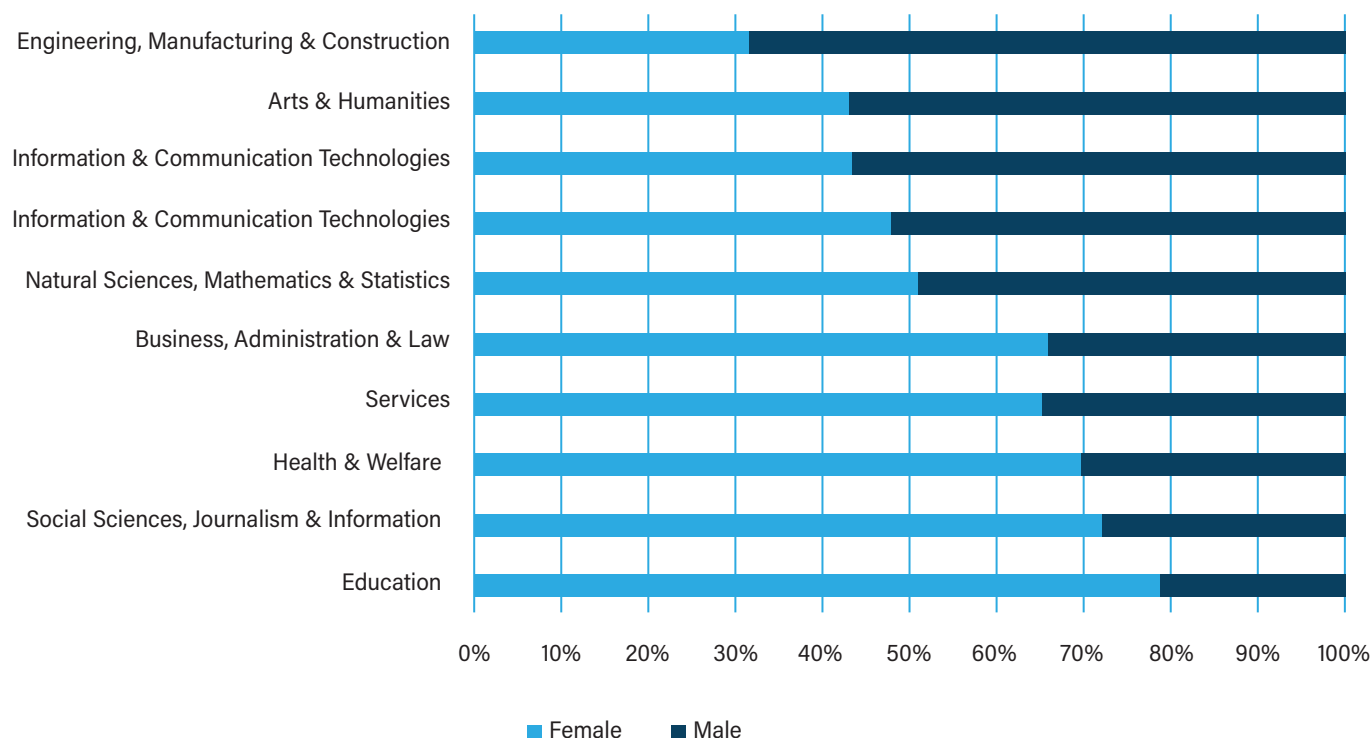
## Enrolment by ISCED Field of Education and Sex

**Table 8: Enrolment by ISCED Field of Education and Sex**

ISCED field of Education	Female	Male	Total	% Female
Agriculture, Forestry, Fisheries & Veterinary	613	662	1,275	48.1
Arts & Humanities	704	919	1,623	43.4
Business, Administration & Law	11,523	5,907	17,430	66.1
Education	7,093	1,869	8,962	79.1
Engineering, Manufacturing & Construction	3,621	7,800	11,421	31.7
Health & Welfare	4,383	1,896	6,279	69.8
Information & Communication Technologies	1,580	2,039	3,619	43.7
Natural Sciences, Mathematics & Statistics	2,200	2,084	4,284	51.4
Services	1,577	838	2,415	65.3
Social Sciences, Journalism & Information	2,098	798	2,896	72.4
Unclassified	8	3	11	72.7
<b>Total</b>	<b>35,400</b>	<b>24,815</b>	<b>60,215</b>	<b>58.8</b>

Source: Tertiary Education Institutions 2023

**Figure 11: Enrolment (Percent) by ISCED Field of Education and Sex**



Source: Tertiary Education Institutions 2023

Representation from Table 8 and Figure 11 indicate that females dominated in non-technical fields, i.e. Education, Social Sciences, Health and the Business fields of study and were under-represented in the broad field of Science, Technology, Engineering and Mathematics. For example, from the 17,430 enrolled in Business, Administration & Law field, 11,523 (66%) were females. Similarly, the Engineering, Manufacturing & Construction field enrolled 11,421 students and the males dominated with 68%.

## Enrolment by ISCED Level (Qualification) and ISCED Field of Education

**Table 9: Enrolment by ISCED Level (Qualification) and ISCED Field of Education**

ISCED Group	1	2	3	4	5	6	7	8	Total
Agriculture, Forestry, Fisheries & Veterinary	192	90		77	810	67	39		1,275
Arts & Humanities			92	272	1,185	68	6		1,623
Business, Administration & Law			445	3054	11,953	1111	6	861	17,430
Education			237	3977	4,118	618	12		8,962
Engineering, Manufacturing & Construction	3,350	1,568	1,403	1,055	3,831	168	46		11,421
Health & Welfare			823	1,969	3,186	294	7		6,279
Information & Communication Technologies			318	63	3,053	152	33		3,619
Natural Sciences, Mathematics & Statistics			65	103	3,704	307	105		4,284
Services		16	268	433	1,625	72	1		2,415
Social Sciences, Journalism & Information			123	62	2,426	201	84		2,896
<b>Total</b>	<b>3,542</b>	<b>1,674</b>	<b>3,774</b>	<b>11,065</b>	<b>35,891</b>	<b>3,058</b>	<b>339</b>	<b>861</b>	<b>60,204</b>

Source: Tertiary Education Institution 2023

Note: Total excludes 11 students whose qualification were not captured.

Key	
1	Trade Test C
2	Trade Test B
3	Certificate
4	Diploma
5	Bachelor's Degree
6	Master's Degree
7	Doctor of Philosophy
8	Professional Qualifications

Besides the high enrolments in Business, Administration & Law, Table 9 indicates that it is the only trade with enrolment for professional qualifications. However, there has been a significant decrease from 1,016 students in 2022 to 861 in 2023 for professional qualifications. The highest number of PhD students were enrolled under the Natural Sciences, Mathematics & Statistics.

## Enrolment by ISCED Broad Group, Sex and Type of Institution

Table 10: Enrolment by ISCED Broad Group, Sex and Type of Institution

Type	ISCED Broad Group	Female	Male	Total	% Female
Colleges of Education	Agriculture, Forestry, Fisheries & Veterinary				
	Arts & Humanities				
	Business, Administration & Law				
	Education	871	359	1,230	70.8
	Engineering, Manufacturing & Construction				
	Health & Welfare				
	Information & Communication Technologies				
	Natural Sciences, Mathematics & Statistics				
	Services				
	Social Sciences, Journalism & Information				
	Total	871	359	1,230	70.8
Institute of Health Sciences	Agriculture, Forestry, Fisheries & Veterinary				
	Arts & Humanities				
	Business, Administration & Law				
	Education				
	Engineering, Manufacturing & Construction				
	Health & Welfare	822	392	1,214	67.7
	Information & Communication Technologies				
	Natural Sciences, Mathematics & Statistics				
	Services				
	Social Sciences, Journalism & Information				
	Total	822	392	1,214	67.7
Private Institutions	Agriculture, Forestry, Fisheries & Veterinary				
	Arts & Humanities	120	163	283	42.4
	Business, Administration & Law	1506	917	2,423	62.2
	Education	601	51	652	92.2
	Engineering, Manufacturing & Construction	149	576	725	20.6
	Health & Welfare	1845	651	2,496	73.9
	Information & Communication Technologies	5	10	15	33.3
	Natural Sciences, Mathematics & Statistics				
	Services	612	295	907	67.5
	Social Sciences, Journalism & Information	16	23	39	41.0
	Unclassified				
	Total	4854	2686	7,540	64.4

## Enrolment by ISCED Broad Group, Sex and Type of Institution continued...

Type	ISCED Broad Group	Female	Male	Total	% Female
Private Universities	Agriculture, Forestry, Fisheries & Veterinary				
	Arts & Humanities	243	467	710	34.2
	Business, Administration & Law	1,976	1,070	3,046	64.9
	Education	572	162	734	77.9
	Engineering, Manufacturing & Construction	437	571	1,008	43.4
	Health & Welfare	37	9	46	80.0
	Information & Communication Technologies	604	689	1,293	46.7
	Natural Sciences, Mathematics & Statistics	1	3	4	25.0
	Services	42	42	84	50.0
	Social Sciences, Journalism & Information	261	138	399	65.4
	<b>Total</b>	<b>4,173</b>	<b>3,151</b>	<b>7,324</b>	<b>57.0</b>
Public Institutions	Agriculture, Forestry, Fisheries & Veterinary				
	Arts & Humanities				
	Business, Administration & Law	2,135	1,250	3,385	63.1
	Education	457	83	540	84.6
	Engineering, Manufacturing & Construction				
	Health & Welfare				
	Information & Communication Technologies	363	565	928	39.1
	Natural Sciences, Mathematics & Statistics				
	Services	692	303	995	69.5
	Social Sciences, Journalism & Information	337	111	448	75.2
	<b>Total</b>	<b>3,984</b>	<b>2,312</b>	<b>6,296</b>	<b>63.3</b>
Public Universities	Agriculture, Forestry, Fisheries & Veterinary	448	545	993	45.1
	Arts & Humanities	325	258	583	55.7
	Business, Administration & Law	5,586	2,590	8,176	68.3
	Education	4,575	1,201	5,776	79.2
	Engineering, Manufacturing & Construction	961	1,987	2,948	32.6
	Health & Welfare	1,679	844	2,523	66.5
	Information & Communication Technologies	381	639	1,020	37.4
	Natural Sciences, Mathematics & Statistics	2,140	2,009	4,149	51.6
	Services	18	91	109	16.5
	Social Sciences, Journalism & Information	1,484	526	2,010	73.8
	Unclassified	8	3	11	72.7
	<b>Total</b>	<b>17,605</b>	<b>10,693</b>	<b>28,298</b>	<b>62.2</b>



## Enrolment by ISCED Broad Group, Sex and Type of Institution continued...

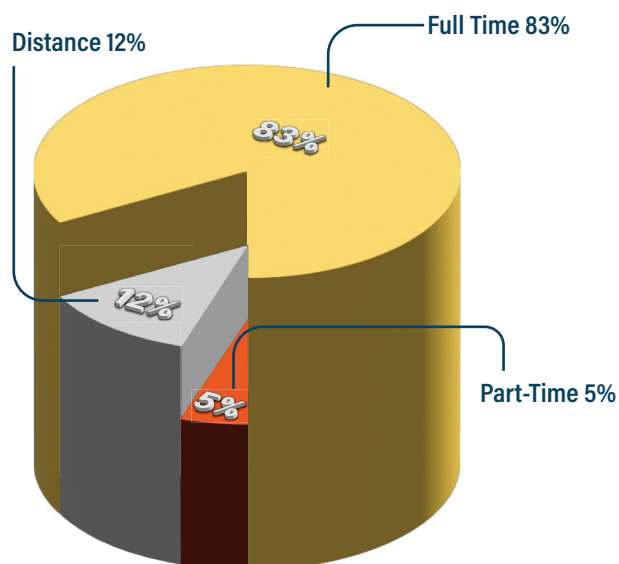
Type	ISCED Broad Group	Female	Male	Total	% Female
Technical Colleges	Agriculture, Forestry, Fisheries & Veterinary				
	Arts & Humanities	16	31	47	34.0
	Business, Administration & Law	272	71	343	79.3
	Education	17	13	30	56.7
	Engineering, Manufacturing & Construction	172	407	579	29.7
	Health & Welfare				
	Information & Communication Technologies	25	32	57	43.9
	Natural Sciences, Mathematics & Statistics	59	72	131	45.0
	Services	182	96	278	65.5
	Social Sciences, Journalism & Information				
	<b>Total</b>	<b>743</b>	<b>722</b>	<b>1,465</b>	<b>50.7</b>
Brigades	Agriculture, Forestry, Fisheries & Veterinary	165	117	282	58.5
	Arts & Humanities				
	Business, Administration & Law	48	9	57	84.2
	Education				
	Engineering, Manufacturing & Construction	1,413	3,260	4,673	30.2
	Health & Welfare				
	Information & Communication Technologies	164	66	230	73.1
	Natural Sciences, Mathematics & Statistics				
	Services				
	Social Sciences, Journalism & Information				
	<b>Total</b>	<b>1790</b>	<b>3452</b>	<b>5,242</b>	<b>34.1</b>
TVET	Agriculture, Forestry, Fisheries & Veterinary				
	Arts & Humanities				
	Business, Administration & Law				
	Education				
	Engineering, Manufacturing & Construction	489	999	1,488	32.9
	Health & Welfare				
	Information & Communication Technologies	38	38	76	50.0
	Natural Sciences, Mathematics & Statistics				
	Services	31	11	42	73.8
	Social Sciences, Journalism & Information				
	<b>Total</b>	<b>558</b>	<b>1,048</b>	<b>1,606</b>	<b>34.7</b>
<b>Grand Total</b>		<b>35,400</b>	<b>24,815</b>	<b>60,215</b>	<b>58.8</b>

Source: Tertiary Education Institutions 2023

## Enrolment by Study Mode

A heightened competition for prospective students has compelled tertiary institutions to adopt more flexible modes of delivering education to meet student demands. Mode of study refers to the student's status of study. In the context of Botswana, the mode of study in tertiary education institutions is categorised as full-time, part-time and distance studies. Local institutions are at liberty to offer at least one (1) mode of delivery and the selection is not random, based on the number of factors such as the infrastructural setting, institutional strategies as well the availability of spatial and other related technologies. Data on enrolment by study mode was available for 59,732 students and is summarised as per Figure 12.

Figure 12: Enrolment by Study Mode



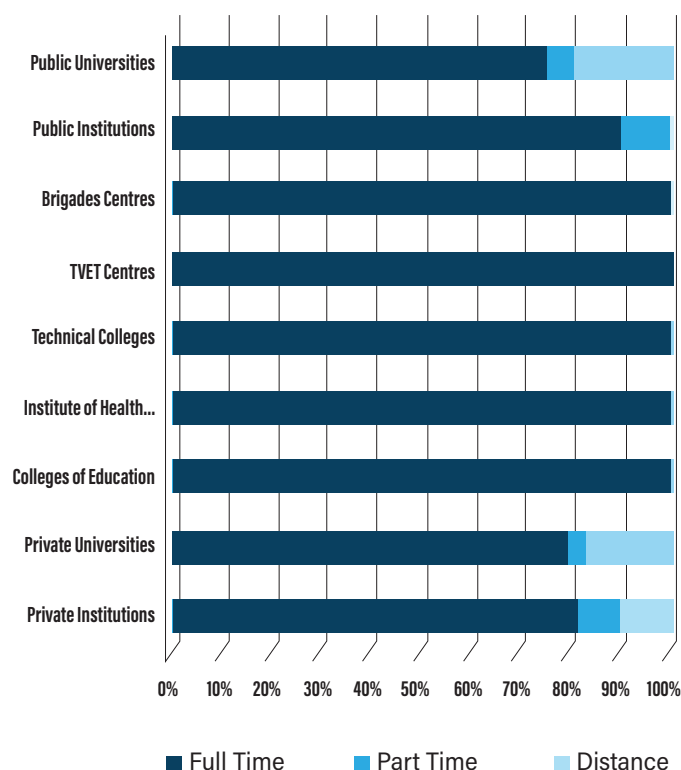
Source: Tertiary Education Institutions 2023

The preferred mode of study was the full-time with a total of 83% (c.f. Figure 12). Majority of these full-time students were enrolled in undergraduate programmes. In addition, the full-time mode was the default mode across all the 79 institutions. Despite this, research has advocated for online learning as the preferred mode to increase the accessibility of tertiary education due to its capacity to overcome the spatial and temporal limitations of traditional teaching settings

(Bates, 2005). Further than that, online learning and distance teaching were viewed as critical long-term strategies of many universities to encourage higher education participation (Cohen, 2003; Greenland and Moore, 2014). Nonetheless, local institutions enrolled only 12% and 5% of students under distance and part-time mode respectively.

## Enrolment by Mode of Study and Type of Institution

Figure 13: Enrolment by Mode of Study and Type of Institution



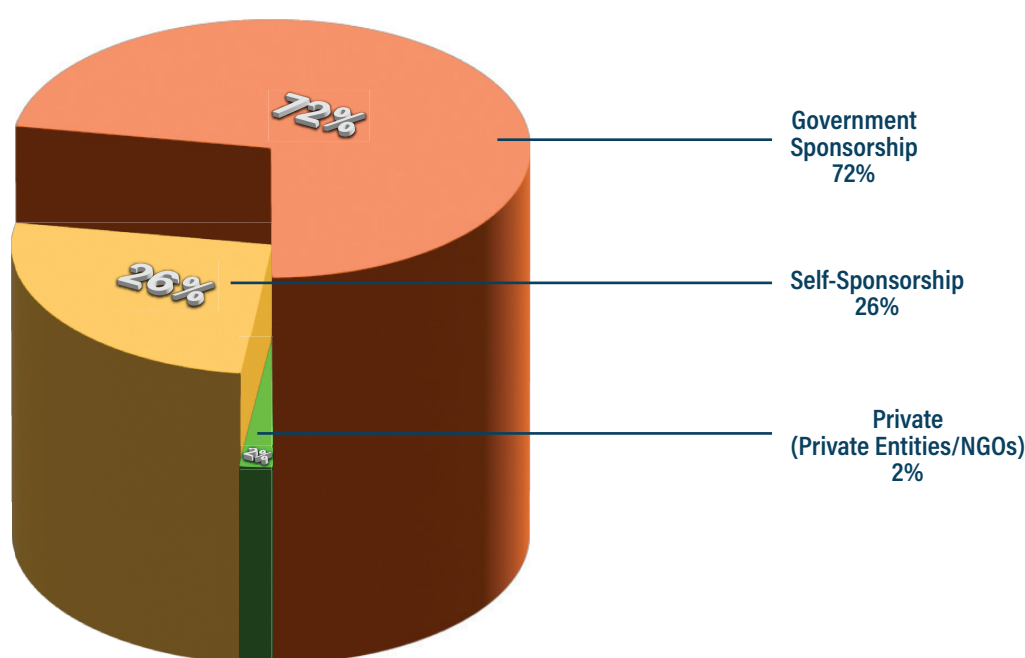
Source: Tertiary Education Institutions 2023

Analysis as per Figure 13 is a reflection of enrolment by mode of study and type of Institution and it indicated that students were mainly enrolled in full-time studies across all institutions. One possible reason could be a directive from the government to sponsor prospective tertiary students through face to face on fulltime mode only.

## Enrolment by Financial Sponsor

Locally admissions for self-sponsored undergraduates and post-graduate students at both public and private institutions are currently processed directly and solely by the individual institutions. For undergraduates who receive Government scholarships, the admission process is coordinated through the Department of Tertiary Education Financing<sup>9</sup> (DTEF) in collaboration with respective institutions. Sponsorship is available to prospective Botswana students with a minimum threshold of thirty-six (36) points attained from Botswana General Certificate of Secondary Education and its equivalent. Equally important to note is that Government Scholarships can be accessed through the different Ministries or Departments for in-service workers in collaboration with local institutions. These Government sponsorships are open for use in both public and private Higher Education Institutions. Figure 14 presents 2023 student enrolment by financial sponsor.

*Figure 14: Enrolment by Type of Sponsorship*



*Source: Tertiary Education Institutions 2023*

For the year under review, the majority of students, 72%, were funded by the government while 26% were self-funded. The wide margin could be explained by the fact that government sponsorship is generally made available and accessible to all prospective tertiary students who meet the required points for either the Higher Education or the TVET system. The remaining 2% had other means of funding. This low percentage of other means of funding indicates a weak involvement of the non-governmental sector (including religious bodies, other organisations, associations, communities, private enterprises) in providing funding in tertiary educational programmes.

<sup>9</sup> This applies to sponsorship to Higher Education Institutions only. Sponsorship to TVET institutions is covered under the Department of Skills Development (for VTCs and Brigades) and Technical Colleges are managed under the Department of Teachers Training and Technical Education (DTT&TE), both under the Ministry of Education and Skills Development.

## Student Enrolment by Country of Origin-International Students

According to the UNESCO Institute of Statistics (UIS), an international student is defined as an individual who has physically crossed an international border between two (2) countries with the objective to participate in educational activities in the country of destination (i.e. where the country of destination of a given student is different from their country of origin). In 2023, international students in Botswana came from 45 countries and represented five (5) continents of the world. A total of 2,217 international students were enrolled for post-secondary education with Higher Education Institutions in Botswana. Table 11 that follows is a summary of international students disaggregated by sex and country of origin.

**Table 11: International Students by Country of Origin and Sex**

Country Name	Females	Males	Total		Country Name	Females	Males	Total
Algeria		1	1		South Africa	28	19	47
Angola	1	4	5		South Sudan		2	2
Burundi	1	1	2		Sudan		2	2
Cameroon	3	9	12		Uganda	7	10	17
Congo	6	3	9		Tanzania <sup>10</sup>	13	12	25
DRC <sup>11</sup>	7	14	21		Zambia	30	42	72
Egypt		3	3		Zimbabwe	324	268	592
Eswatini	316	256	572		Bangladesh	4	4	8
Ethiopia	10	9	19		Azerbaijan	1	0	1
Gabon		2	2		China	1	2	3
Gambia	1		1		Cuba	1	1	2
Ghana	8	7	15		Germany	4	1	5
Kenya	17	18	35		India	35	41	76
Lesotho	120	94	214		Pakistan	6	4	10
Liberia	2	12	14		Korea <sup>12</sup>	1		1
Libya	1		1		Philippines	3	1	4
Malawi	29	39	68		Saudi Arabia		1	1
Mozambique	1	6	7		Sri Lanka	3	2	5
Namibia	58	56	114		Thailand		1	1
Nigeria	37	58	95		United Kingdom	1		1
Rwanda		6	6		USA <sup>13</sup>	3	4	7
Seychelles	1		1		Not Specified	58	55	113
Sierra Leone		2	2					
Somalia	3		3		<b>Total</b>	<b>1,145</b>	<b>1,072</b>	<b>2,217</b>

<sup>10</sup>United Republic of Tanzania

<sup>11</sup>Democratic Republic of the Congo

<sup>12</sup>Democratic People's Republic of Korea

<sup>13</sup>United States of America



## Key Highlights on the 2023 international students included the following;

- There was an increase of 68.5% in active international students compared to 2022: 901 more students registered compared to the 1,316 that registered in the previous academic year.
- Females accounted for 1,145 and males 1,072 of the total international students.
- More than 89% of the international student population comes from Africa with the highest share coming from neighbouring countries: Zimbabwe (26.7%), Eswatini (25.8%), Lesotho (9.7%) and Namibia (5.1%).
- Beyond Africa, India registered the highest number with 76 students.
- The majority of international students were enrolled in Bachelor's degrees.

## Inbound Mobility Rate



International students account for 4.2% of total enrolment in higher education programmes, an increase of 1.7 percentage points from 2.5% recorded in 2022. This low percentage of inbound mobility rate indicated a low degree of participation of students from abroad.

# SGD4 MEASURES

## GROSS ENROLMENT RATIO

Gross Enrolment Ratio (GER) was calculated to identify the number of students enrolled in education at tertiary level. For Botswana, the GER in tertiary education means the population between the age group of 18 - 24 years enrolled for tertiary education, i.e. the number of students enrolled in tertiary education regardless of age, expressed as a percentage of the population in the theoretical age group for the same level of education. The GER indicator show the general level of participation in a given level of education and can be used internationally to compare participation in education levels across various countries. In this Report, the GER measures the capacity of the education system to enrol students of the 18 - 24 age group. Table 12 below shows the calculated GER for Botswana for the past fifteen (15) years.

**Table 12: GER Trends**

Academic Year	Population (18-24 Years)	Total Enrolment	Gross Enrolment Ratio (%)
2007/08	274,084	31,129	11.4
2008/09	277,439	47,889	17.3
2009/10	280,403	42,366	15.1
2010/11	282,777	37,859	13.4
2011/12	284,278	46,613	16.4
2012/13	284,817	57,447	20.2
2013/14	284,820	60,439	21.2
2014/15	284,289	60,583	21.3
2015/16	292,395	56,447	19.3
2016/17	293,225	59,091	20.2
2017/18	292,991	53,450	18.2
2018/19	292,187	53,930	18.5
2019/20	291,303	56,666	19.5
2020/21	290,894	61,157	21.0
2021/22	291,303	59,481	20.4
2022/23	273,272	60,215	22.0

Sources: Statistics Botswana (2022): Population and Housing Census 2022

Statistics Botswana (2015): Population Projections – 2011-2026

HRDC (2022): Tertiary Education Report & Tertiary Education Institutions 2023

Statistics from the UNESCO Institute of Statistics indicated that the global participation in tertiary education, measured by GER, doubled from 19% to 40% between 2000 and 2020 (UNESCO Higher Education Conference, 2022). Locally, data is available from 2008 and it shows that the gross enrolment ratio had increased from 11.4% to 22% in 2023, showing an increase of 9.6% over the past fifteen (15) years. For the year under review, gross enrolment ratio increased by 1.6 percentage points from 20.4% recorded during the academic year 2021/22.

## Gross Enrolment Ratio by Sex

**Table 13: Gross Enrolment Ratio by Sex**

Academic Year	Female Population (18-24 Years)	Total Enrolment Females	GER	Male Population (18-24 Years)	Total Enrolment Males	GER
2020/21	149,017	35,317	23.7	141,202	25,840	18.3
2021/22	149,573	35,168	23.5	141,730	24,315	17.2
2022/23	138,921	35,400	25.4	134,351	24,815	18.5

Sources: Statistics Botswana (2022): Population and Housing Census 2022  
Tertiary Education Institutions 2022

Table 13 depicts Botswana's participation rates in tertiary education disaggregated by sex. Trends on GER indicated that female GER in Botswana constantly remained higher than that of their male counterparts. For the academic year under review, female GER increased from 23.5% in 2022 to 25.4% in 2023 while males increased from 17.2% to 18.5%, indicating higher participation rate among females in the country.

## Participation Rate in Technical-Vocational Programmes (15-24 year olds)

Recent trends have shown that Technical Vocational Education and Training institutions are increasingly becoming a good alternative for individuals seeking post-secondary education. Although there have been fluctuations over time in enrolment levels at TVET institutions, the 2023 enrolment at these institutions indicated an increase of 530 students from the previous academic year.

## TVET Indicator

The indicator participation rate in technical-vocational programmes (SDG indicator 4.3.3) is the percentage of young people aged 15 to 24 years participating in technical or vocational education either in formal or non-formal (e.g. work-based or other settings) education on a given date or during a specified period. Table 14 shows the participation rate in technical-vocational programmes for the academic years 2022 and 2023.

**Table 14: Participation rate in technical-vocational programmes**

Academic Year	Population (15-24 Years)	Total Enrolment	Participation Rate in Technical-Vocational Programmes (%)
2021/22	422,241	7,783 <sup>14</sup>	1.8
2022/23	392,701	8,313	2.1

Sources: Statistics Botswana (2015): Population Projections – 2011-2026, Population and Housing Census 2022 Tertiary Education Institutions 2023.

For the academic year 2022/23, Botswana's participation rate in technical-vocational programmes was 2.1%, indicating a relatively small proportion of the 15 to 24 year population participating in education and training to acquire TVET qualification.

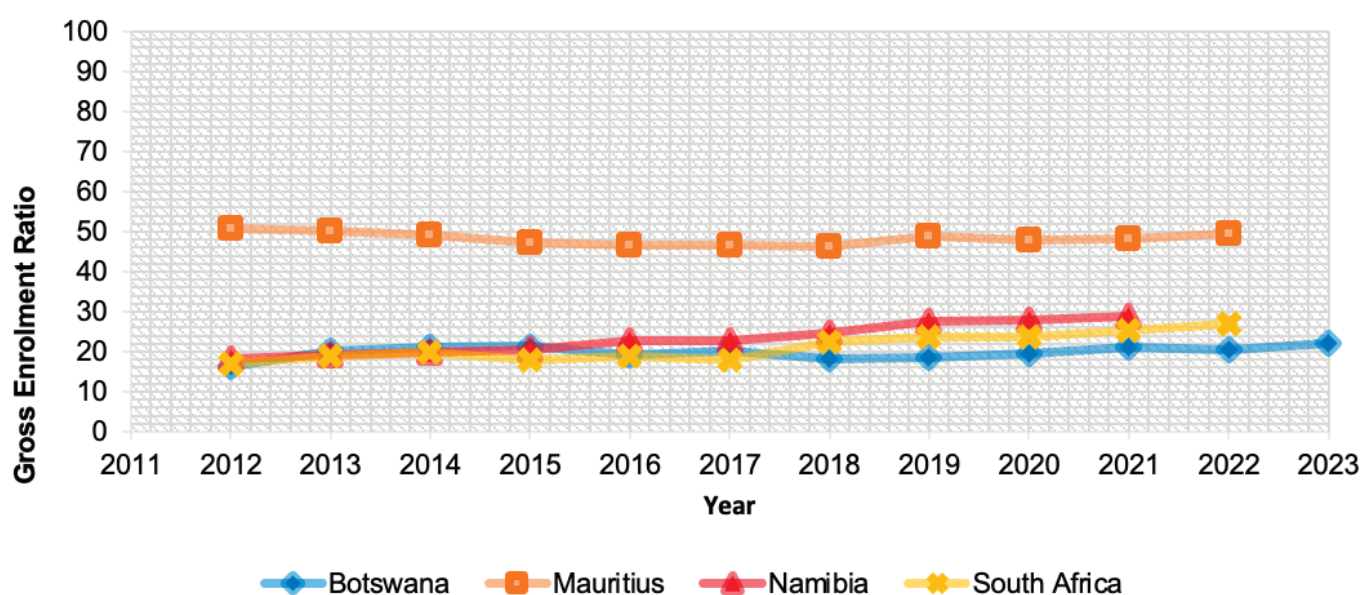
<sup>14</sup> Excludes enrolment from non-formal education.



## Gross Enrolment Ratio – International Comparison

The practicality of assessing the condition of education locally provides a comparator of key indicators against peer countries. In the realms of access and participation, the Gross Enrolment Ratio is a key indicator established to gauge such progress. The indicator compares the Botswana education system relative to the analogous education system in other comparable international countries with respect to access and participation, measured within a specific reference period. Data on the trends of GER for Botswana and selected peer<sup>15</sup> countries within the Southern African Development Community (SADC) region are presented in Figure 15.

**Figure 15: Gross Enrolment Ratio – International Comparison**



Sources: 2020 Tertiary Education Statistics Report

2020 Namibia Higher Education Statistical yearbook

Participation in Tertiary Education 2021, Mauritius

<https://ourworldindata.org/grapher/gross-enrollment-ratio-in-tertiary-education>

Figure 15 indicates that Botswana's Gross Enrolment Ratio has been the lowest of the four (4) countries since 2018. This relatively low GER points to the need to improve the absorptive capacity of the tertiary education institutions to improve access to tertiary level. However, the GER for the last consecutive five (5) years was within the five percentage points range with that of Namibia and South Africa. Mauritius has consistently been among the highest in Sub-Saharan Africa in the last decade.

<sup>15</sup> Selection of the countries was based on the availability of trends data.



# CHAPTER 3: TERTIARY EDUCATION GRADUATES

## Tertiary Graduates

Graduates indicator tracks the institutions' performance on throughput and internal efficiency through a number of indicators such as the pass and failure rates among final year students. These indicators show the proportion of the students who enter a tertiary programme and ultimately graduate from it. The chapter analysed the total number of graduates by type of institution, sex, field of study as well as the graduation (completion) rates.

## 2023 Graduates

The 2023 graduates comprised of all tertiary education students who sat and successfully completed the final examination during the last semester of academic year 2021/22 and graduated in the academic year 2022/23. For the 2022/23 academic year, 14,450 students graduated from tertiary education institutions. This was a decrease of 1,855 from the previous academic year. Their distribution by type of institution is as per table below:

**Table 15: 2023 Graduates by type of Institution**

Type of Institution	Number of Institutions	Number of Graduates	Graduates (%)
Brigades	32	2,354	16.3
TVET Institutions	4	539	3.7
Colleges of Education	4	448	3.1
Institute of Health Sciences	7	359	2.5
Private Institutions	17	3,040	21.0
Private Universities	3	1,701	11.8
Public Institutions	4	1,254	8.7
Public Universities	4	3,918	27.1
Technical Colleges	4	837	5.8
<b>TOTAL</b>	<b>79</b>	<b>14,450</b>	<b>100.0</b>

Sources: Statistics Botswana (2015): Population Projections – 2011-2026, Population and Housing Census 2022 Tertiary Education Institutions 2023.

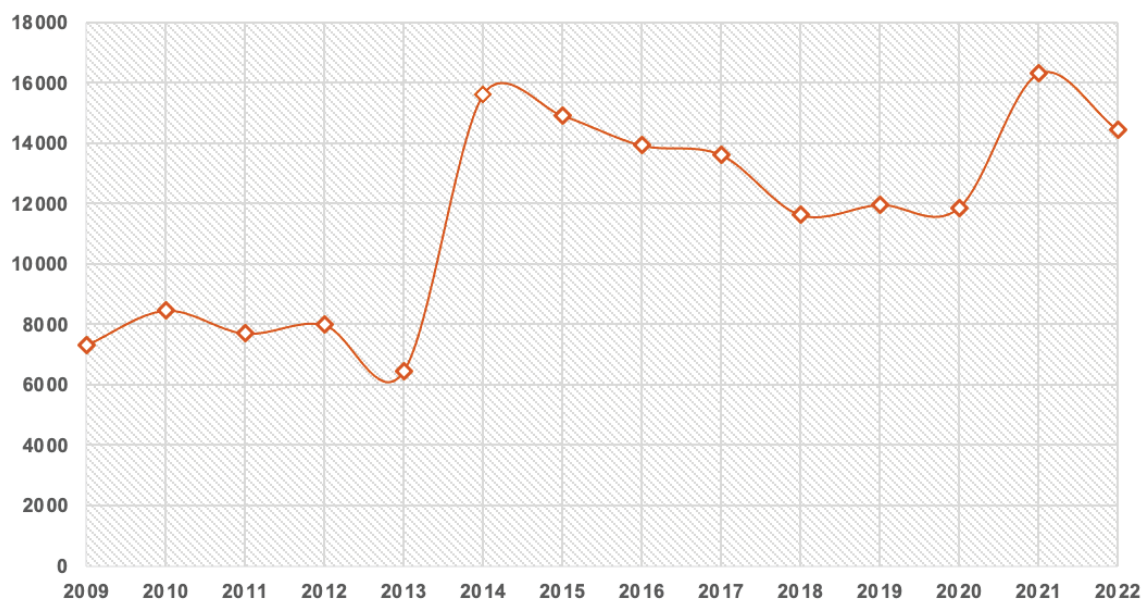
Table 15 indicated that the distribution of tertiary graduates by type of institution varies significantly across the institutions, with a higher share graduating from the public institutions. Of the 14,450 tertiary education completers who graduated in 2023, the largest proportion were from the public universities with 27%. Besides the public universities, the regular private institutions were the second largest with 21%. On the other hand, the seven (7) Institute of Health Sciences had the lowest proportion of graduates at 3.1%.

## 2023 Graduation Rate

The 2023 tertiary education graduation rate was 82.4%, an increase of 0.8% from the 81.6% recorded in 2022. A high completion rate indicates that many students who enrolled in tertiary education institutions successfully completed their programmes.

## Graduates Trends

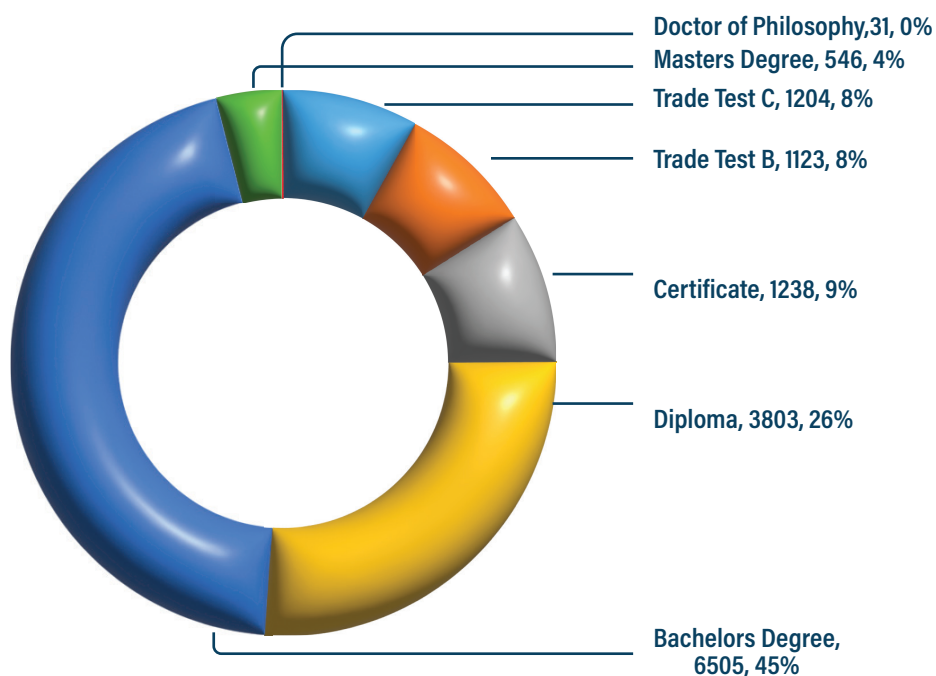
Figure 16: Tertiary Graduates Trends 2009-2023



Source: Tertiary Education Institutions 2023 & Tertiary Education Statistics Report 2022

## Graduates by Qualification

Figure 17: Graduates by ISCED Level (Qualifications)



Source: Tertiary Education Institutions 2023

The majority (6,505), graduated with a Bachelor's degree, followed by Diploma with 3,803 students. About 2,327 of the students graduated in Trade Test qualifications, which are the lowest artisan level of qualifications. Thirty-one (31) students graduated with Doctor of Philosophy degrees.

## Graduates by Qualification and Institution

**Table 16: Graduates by Qualification and Institution (TVET)**

Institution	Trade Test C	Trade Test B	Certificate					Total
Brigade Centres	951	1,031	372					2,354
TVET Institutions	253	92	194					539
<b>Total</b>	<b>1,204</b>	<b>1,123</b>	<b>566</b>					<b>2,898</b>

Source: Department of Skills Development 2023

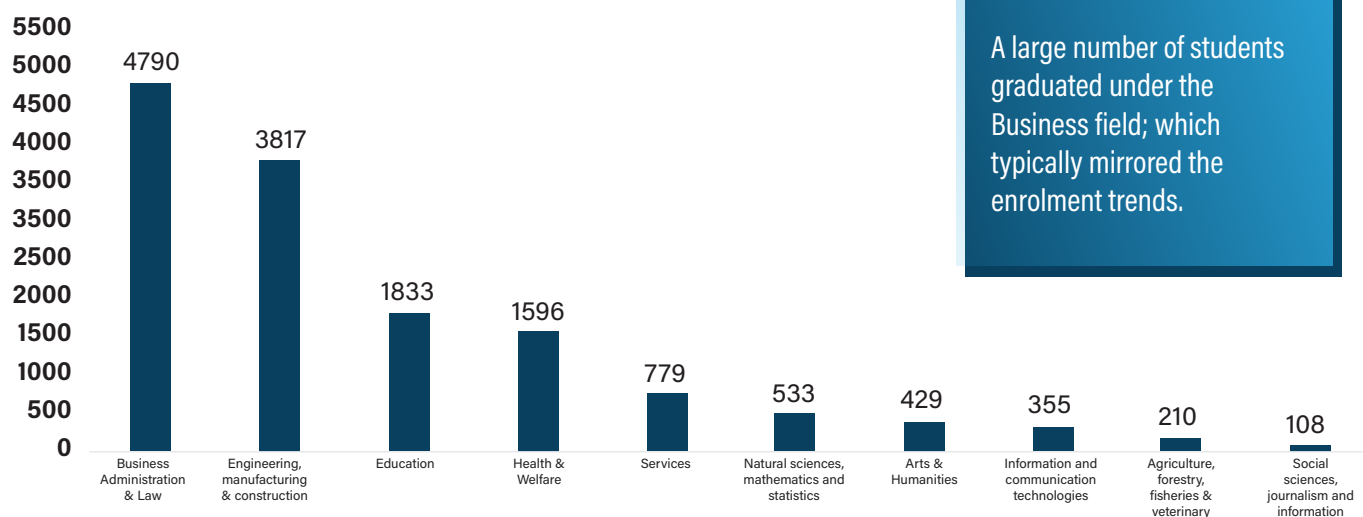
**Table 17: Graduates by Qualification and Institution (HE)**

Institution	Certificate	Diploma	Bachelors	Masters	PhDs	Total
Colleges of Education		448				448
Institute of Health Sciences		359				359
Private Institutions	255	908	1,876	1		3,040
Private Universities	71	279	1,318	33		1,701
Public Institutions	21	136	920	177		1,254
Public Universities	19	1,142	2,391	335	31	3,918
Technical Colleges	306	531				837
<b>Total</b>	<b>672</b>	<b>3,803</b>	<b>6,505</b>	<b>546</b>	<b>31</b>	<b>11,557</b>

Source: Higher Education Institutions 2023

## Graduates by ISCED Field of Education

Figure 18: Graduates by ISCED Field of Education



Source: Tertiary Education Institutions

## Graduates by ISCED Field of Education and Qualification

Table 18: Graduates by ISCED Field of Education and Qualification

ISCED Group	1	2	3	4	5	6	7	Total
Agriculture, Forestry, Fisheries & Veterinary	96	32		26	50	6		210
Arts & Humanities			13	70	340	5	1	429
Business, Administration & Law			313	1,123	3,061	289	4	4,790
Education			31	1,316	443	35	8	1,833
Engineering, Manufacturing & Construction	1,108	1,091	439	465	692	18	4	3,817
Health & Welfare			138	559	865	34		1,596
Information & Communication Technologies			71	2	255	25	2	355
Natural Sciences, Mathematics & Statistics			39	40	379	64	11	533
Services			194	193	374	18		779
Social Sciences, Journalism & Information				9	46	52	1	108
<b>Total</b>	<b>1,204</b>	<b>1,123</b>	<b>1,238</b>	<b>3,803</b>	<b>6,505</b>	<b>546</b>	<b>31</b>	<b>14,450</b>

Key							
1	Trade Test C	3	Certificate	5	Bachelor's Degree	7	Doctor of Philosophy
2	Trade Test B	4	Diploma	6	Master's Degree		

Table 19: Graduates by ISCED Broad Group, Qualification and Institution-HEIs

Colleges of Education						
ISCED Broad Group	Certificate	Diploma	Bachelors	Masters	PHDs	Total
Agriculture, Forestry, Fisheries & Veterinary						
Arts & Humanities						
Business, Administration & Law						
Education		448				448
Engineering, Manufacturing & Construction						
Health & Welfare						
Information & Communication Technologies						
Natural Sciences, Mathematics & Statistics						
Services						
Social Sciences, Journalism & Information						
<b>Total</b>		<b>448</b>				<b>448</b>
Institute of Health Sciences						
ISCED Broad Group	Certificate	Diploma	Bachelors	Masters	PHDs	Total
Agriculture, Forestry, Fisheries & Veterinary						
Arts & Humanities						
Business, Administration & Law						
Education						
Engineering, Manufacturing & Construction						
Health & Welfare		359				359
Information & Communication Technologies						
Natural Sciences, Mathematics & Statistics						
Services						
Social Sciences, Journalism & Information						
<b>Total</b>		<b>359</b>				<b>359</b>
Private Institutions						
ISCED Broad Group	Certificate	Diploma	Bachelors	Masters	PHDs	Total
Agriculture, Forestry, Fisheries & Veterinary						
Arts & Humanities	11	30	50			91
Business, Administration & Law	78	251	587			916
Education	13	138	113	1		265
Engineering, Manufacturing & Construction	15	147	274			436
Health & Welfare	138	182	478			798
Information & Communication Technologies						
Natural Sciences, Mathematics & Statistics						
Services		160	374			534
<b>Total</b>	<b>255</b>	<b>908</b>	<b>1,876</b>	<b>1</b>		<b>3,040</b>



## Graduates by ISCED Broad Group, Qualification and Institution-HEIs cont...

Private Universities						
ISCED Broad Group	Certificate	Diploma	Bachelors	Masters	PHDs	Total
Agriculture, Forestry, Fisheries & Veterinary						
Arts & Humanities	2	40	290			332
Business, Administration & Law	63	34	804	15		916
Education	5	70	48	2		125
Engineering, Manufacturing & Construction	1	133	58			192
Health & Welfare						
Information & Communication Technologies		2	92	16		110
Natural Sciences, Mathematics & Statistics						
Services						
Social Sciences, Journalism & Information			26			26
Total	71	279	1,318	33		1,701
Public Institutions						
ISCED Broad Group	Certificate	Diploma	Bachelors	Masters	PHDs	Total
Agriculture, Forestry, Fisheries & Veterinary						
Arts & Humanities						
Business, Administration & Law	21	136	549	177		883
Education			42			42
Engineering, Manufacturing & Construction						
Health & Welfare			193			193
Information & Communication Technologies			136			136
Natural Sciences, Mathematics & Statistics						
Services						
Social Sciences, Journalism & Information						
Total	21	136	920	177		1,254
Public Universities						
ISCED Broad Group	Certificate	Diploma	Bachelors	Masters	PHDs	Total
Agriculture, Forestry, Fisheries & Veterinary		26	50	6		82
Arts & Humanities				5	1	6
Business, Administration & Law	3	451	1,121	97	4	1,676
Education	13	635	240	32	8	928
Engineering, Manufacturing & Construction			360	18	4	382
Health & Welfare		18	194	34		246
Information & Communication Technologies	3		27	9	2	41
Natural Sciences, Mathematics & Statistics		3	379	64	11	457
Services				18		18
Social Sciences, Journalism & Information		9	20	52	1	82
Total	19	1,142	2,391	335	31	3,918

## Graduates by ISCED Broad Group, Qualification and Institution-HEIs cont...

Technical Colleges						
ISCED Broad Group	Certificate	Diploma	Bachelors	Masters	PHDs	Total
Agriculture, Forestry, Fisheries & Veterinary						
Arts & Humanities						
Business, Administration & Law	12	251				263
Education		25				25
Engineering, Manufacturing & Construction	61	185				246
Health & Welfare						
Information & Communication Technologies						
Natural Sciences, Mathematics & Statistics	39	37				76
Services	194	33				227
Social Sciences, Journalism & Information						
Total	306	531				837
<b>Grand Total</b>	<b>672</b>	<b>3,803</b>	<b>6,505</b>	<b>546</b>	<b>31</b>	<b>11,557</b>

Table 20: Graduates by ISCED Broad Group, Qualification and Institution-TVET

TVET Centres						
ISCED Broad Group	Trade Test C	Trade Test B	Certificate			Total
Agriculture, Forestry, Fisheries & Veterinary						
Business, Administration & Law			27			27
Education						
Engineering, Manufacturing & Construction	253	92	167			512
Health & Welfare						
Information & Communication Technologies						
Natural Sciences, Mathematics & Statistics						
Total	253	92	194			539
Brigades Training Centres						
ISCED Broad Group	Trade Test C	Trade Test B	Certificate			Total
Agriculture, Forestry, Fisheries & Veterinary	96	32				128
Business, Administration & Law			109			109
Education						
Engineering, Manufacturing & Construction	855	999	195			2,049
Health & Welfare						
Information & Communication Technologies			68			68
Natural Sciences, Mathematics & Statistics						
<b>Total</b>	<b>951</b>	<b>1,031</b>	<b>372</b>			<b>2,354</b>
<b>Grand Total</b>	<b>1,204</b>	<b>1,123</b>	<b>566</b>			<b>2,893</b>

# CHAPTER 4: STAFF MEMBERS

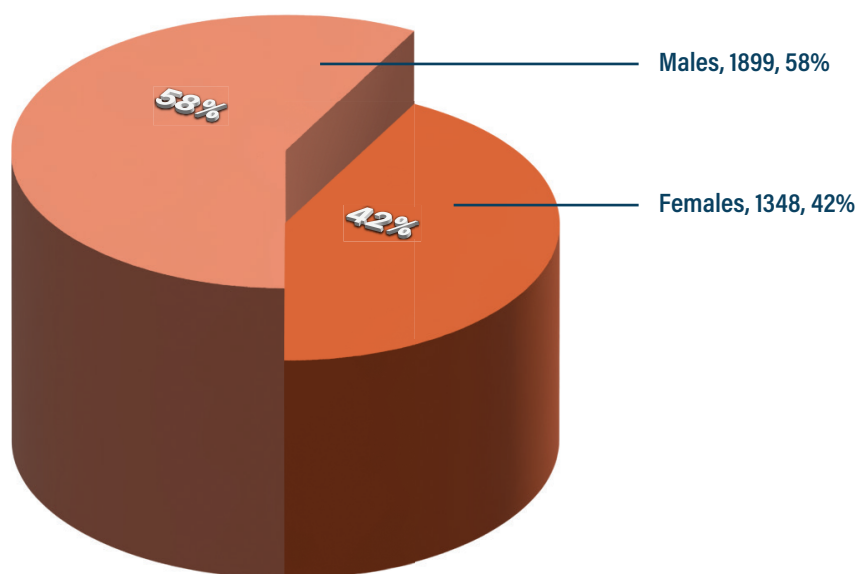
## Introduction

The chapter on academic staff provides a comprehensive overview of the number and characteristics of academic staff members employed by various Higher Education Institutions in Botswana. The analysis includes a comparison based on the type of institution and sex. This chapter was based on data received from forty-three (43) Higher Education Institutions and excludes data from 36 TVET institutions.

## Academic Staff Members

Academic staff are crucial to teaching and learning, research, and public service in the tertiary education sector. Further than that, the quality of educational outcomes of an institution is wholly dependent on the adequacy and quality of its academic personnel. Data from the 2023 census indicated that the total number of academic staff members employed by the HEIs has continued to grow. A sufficient number of teachers at any given institution are pivotal towards enhanced learning and the overall attainment of quality of education. For this reference period, a total of 3,247 academic staff members were employed in HEIs, however, reflecting a slight decrease from the previous year. It is important to note that analysis was based on Higher Education Institutions and excluded the data from the Technical Vocational Education and Training Institutions. The figure below shows the number of teaching staff in HEIs disaggregated by sex.

**Figure 19: Number of Teaching Staff in HEIs**



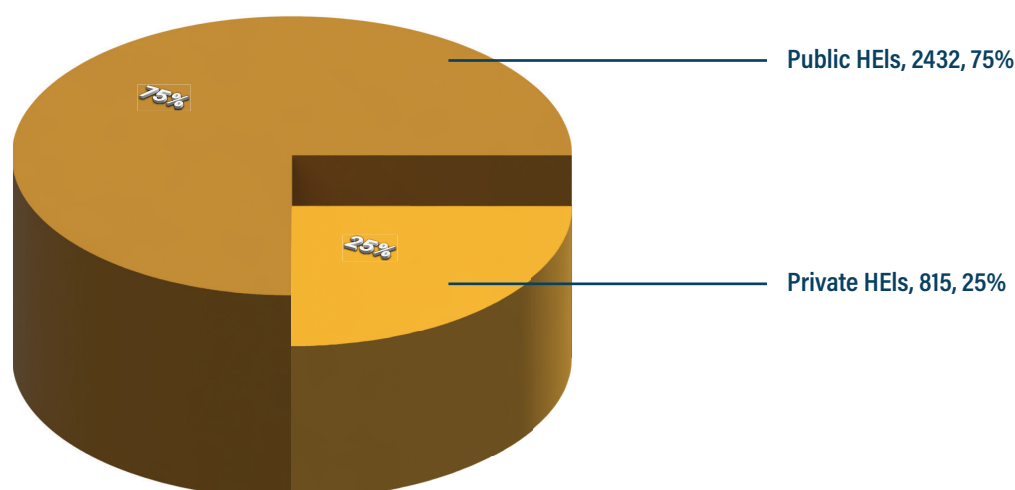
Source: Higher Education Institutions 2023

Figure 19 indicates that the distribution of staff varies significantly by sex, with a higher proportion, (58%) of males being employed in HEIs.

## Teaching (Academic) Staff by Proprietorship

Of the 3,247 academic staff, 2,432 worked for public institutions and 815 for private ones or 75% and 25% respectively. Figure 20 displays this information for academic Staff by proprietor.

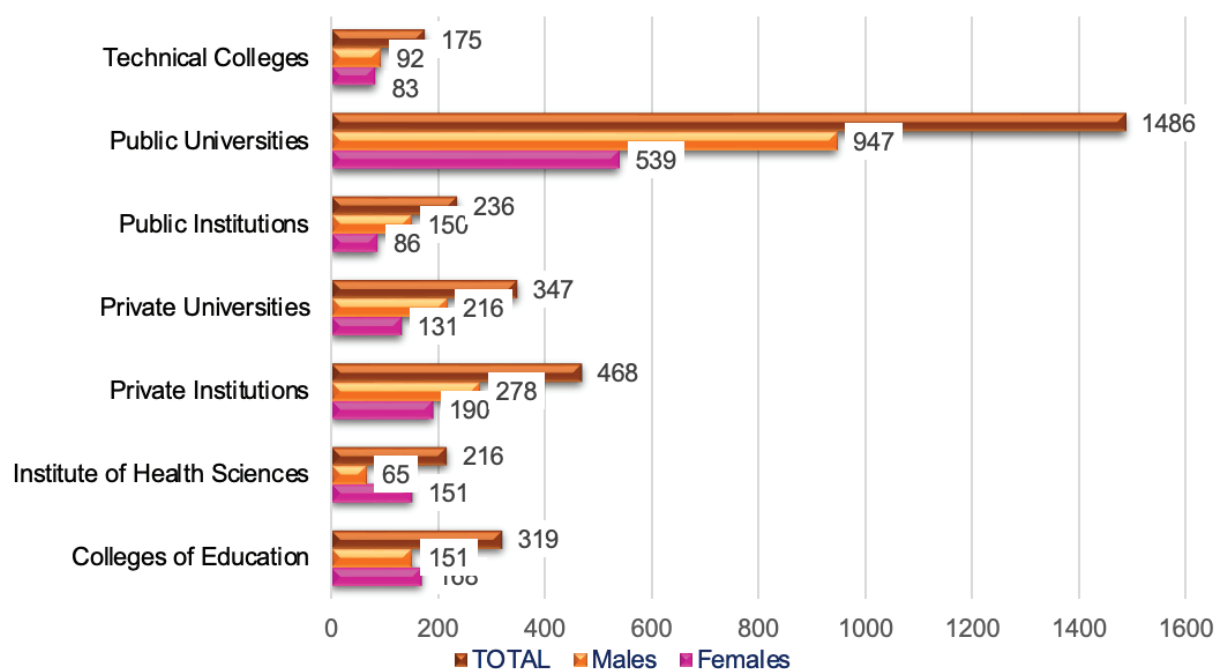
Figure 20: Teaching (Academic) Staff by Proprietorship



Source: Higher Education Institutions 2023

## Teaching (Academic) Staff by Type of Institution and Sex

Figure 21: Teaching (Academic) Staff by Type of Institution and Sex



Source: Higher Education Institutions 2023

Public universities have the largest number of academic staff, significantly more than any other institution type with a notable gender disparity favouring male staff. There is male predominance in most institutions while Institutes of Health Sciences and Colleges of Education are the exceptions where female staff either outnumber or closely match the number of male staff, (c.f. Figure 21).

# ANNEXURES

## ANNEXURE 1: STUDENT ENROLMENT IN BRIGADES – ISCED LEVEL 3

**Table E1.1: Barolong Vocational Training Centre**

Programme Name	2020/21	2021/22	2022/23
Crop Farming Trade Test C	47	18	46
Crop Farming Trade Test B			10
Dressmaking Trade Test C	55	52	
Dressmaking NCC	11		
Livestock Farming Trade Test C	71	70	27
Livestock Farming Trade Test B			24
Textile Trade Test C			27
Textile NCC			16
Certificate in Accounting & Business Studies	3	16	
Certificate in Computer Studies	14	12	
<b>Total</b>	<b>201</b>	<b>168</b>	<b>150</b>

**Table E1.2: Bobonong Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Auto Mechanics Trade Test C	61	60	
Auto Mechanics Trade Test B			59
Bricklaying & Plastering Trade Test C	58	60	62
Bricklaying & Plastering Trade Test B			11
Carpentry & Joinery Trade Test C	53	53	34
Carpentry & Joinery Trade Test B			18
Certificate in Computer Studies	39	36	51
<b>Total</b>	<b>211</b>	<b>209</b>	<b>235</b>

**Table E1.3: Boteti Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Borehole Mechanics Trade Test C	120	78	
Bricklaying & Plastering, Trade Test C	41		32
Bricklaying & Plastering, Trade Test B		11	
Carpentry & Joinery Trade Test C	46		43
Carpentry & Joinery Trade Test B		23	
Borehole Mechanic Trade Test B			40
Borehole Mechanic NCC		9	33
Certificate in Accounting & Business Studies	17	42	148
<b>Total</b>	<b>224</b>	<b>163</b>	<b>296</b>



**Table E1.4: Chobe Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Auto Mechanics Trade Test C	32	13	31
Auto Mechanics Trade Test B	12	14	
Bricklaying & Plastering, Trade Test C	13	10	23
Carpentry & Joinery C, Trade Test C	15	10	27
<b>Total</b>	<b>72</b>	<b>47</b>	<b>81</b>

**Table E1.5: Ghanzi Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Auto Mechanics Trade Test C		10	47
Auto Mechanics Trade Test B		24	
Bricklaying & Plastering Trade Test C	40	13	44
Bricklaying & Plastering Trade Test B		19	
Electrical Installation and Maintenance Trade Test C		19	42
Electrical Installation and Maintenance Trade Test B		37	15
Certificate in Computer Studies		25	20
<b>Total</b>	<b>40</b>	<b>147</b>	<b>168</b>

**Table E1.6: Gweta Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Auto Mechanics Trade Test C	34	40	12
Auto Mechanics Trade Test B			29
Bricklaying & Plastering Trade Test C	33	37	32
Bricklaying & Plastering Trade Test B			15
Carpentry & Joinery C Trade Test C	28	41	28
Carpentry & Joinery C Trade Test B			13
<b>Total</b>	<b>95</b>	<b>118</b>	<b>129</b>

**Table E1.7: Kanye Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Auto Mechanics Trade Test C	54	15	20
Auto Mechanics Trade Test B		29	21
Electrical Installation & Appliances Trade Test C	56	19	43
Electrical Installation & Appliances Trade Test B		29	11
Refrigeration & Air Conditioning Trade Test C	48	8	27
Refrigeration & Air Conditioning Trade Test B		24	15
<b>Total</b>	<b>158</b>	<b>124</b>	<b>137</b>

**Table E1.8: Kang Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Auto Mechanics Trade Test C	85	22	30
Auto Mechanics Trade Test B		30	43
Auto Mechanics NCC		32	29
Bricklaying & Plastering Trade Test C	44	13	26
Bricklaying & Plastering Trade Test B		15	21
Carpentry & Joinery Trade Test C	15	14	28
Carpentry & Joinery Trade Test B		32	25
Carpentry & Joinery NCC	51	15	14
Welding & Fabrication Trade Test C	62	33	24
Welding & Fabrication Trade Test B			33
<b>Total</b>	<b>257</b>	<b>206</b>	<b>272</b>

**Table E1.9: Kgatleng Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Bricklaying & Plastering Trade Test C	53	53	15
Bricklaying & Plastering Trade Test B			32
Carpentry & Joinery Trade Test C	50	46	46
Electrical Installation Trade Test C	100	79	60
Plumbing & Pipe Fitting Trade Test C	85	73	37
Welding & Fabrication Trade Test C	48	57	52
<b>Total</b>	<b>336</b>	<b>308</b>	<b>242</b>

**Table E1.10: Kgalagadi South Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Certificate in Accounting & Business Studies	16	19	
Certificate in Computer Studies	20	18	57
<b>Total</b>	<b>36</b>	<b>37</b>	<b>57</b>

**Table E1.11: Kweneng Bophirima Development Association**

Programme Name	2020/21	2021/22	2022/23
Auto Mechanics Trade Test C	45	28	28
Auto Mechanics Trade Test B			11
Bricklaying & Plastering Trade Test C	46	31	56
Bricklaying & Plastering Trade Test			7
<b>Total</b>	<b>91</b>	<b>59</b>	<b>102</b>

**Table E1.12: Kweneng Rural Development Association**

Programme Name	2020/21	2021/22	2022/23
Auto Mechanics Trade Test C	55	31	63
Bricklaying & Plastering Trade Test C	37	19	39
Bricklaying & Plastering NCC	16	15	10
Carpentry & Joinery Trade Test C	57	31	28
Carpentry & Joinery Trade Test B			7
Panel Beating & Spray Painting Trade Test C	52	52	31
<b>Total</b>	<b>217</b>	<b>148</b>	<b>178</b>

**Table E1.13: Lobatse Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Bricklaying & Plastering Trade Test C	52	9	74
Bricklaying & Plastering Trade Test B		11	
Carpentry & Joinery Trade Test C	38	5	49
Carpentry & Joinery Trade Test B		21	
Plumbing & Pipefitting Trade Test C	98	17	51
Plumbing & Pipefitting Trade Test B		32	26
Welding & Fabrication Trade Test C	66	32	34
Welding & Fabrication Trade Test B		29	11
<b>Total</b>	<b>254</b>	<b>136</b>	<b>245</b>

**Table E1.14: Madiba Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Auto Mechanics Trade Test C	51	25	52
Bricklaying & Plastering Trade Test C	46	16	30
Bricklaying & Plastering Trade Test B		5	10
Carpentry & Joinery Trade Test C	36	14	28
Carpentry & Joinery Trade Test B		15	12
Electrical Installation Trade Test C	72		30
Electrical Installation Trade Test B		51	9
Plumbing and Pipe Fitting Trade Test C	46	17	40
Plumbing and Pipe Fitting Trade Test B		22	
Welding and Fabrication Trades Test C	50	10	59
Welding and Fabrication Trades Test B		32	
<b>Total</b>	<b>301</b>	<b>207</b>	<b>270</b>

**Table E1.15: Mahalapye Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Dressmaking Trade Test C	104		53
Dressmaking Trade Test B		33	
Certificate in Accounting & Business Studies		20	
<b>Total</b>	<b>104</b>	<b>53</b>	<b>53</b>

**Table E1.16: Marapong Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Dressmaking Trade Test C	75	11	28
Dressmaking Trade Test B			7
Certificate in Accounting and Business Studies	10	16	
National Certificate in Secretarial Studies	15	2	
<b>Total</b>	<b>100</b>	<b>29</b>	<b>35</b>

**Table E1.17: Marobela Brigades Centre**

Programme Name	2020/21	2021/22	2022/23
Auto Mechanics Trade Test C	59	32	46
Carpentry & Joinery Trade Test C	53	23	54
<b>Total</b>	<b>112</b>	<b>55</b>	<b>100</b>

**Table E1.18: Matsheng Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Auto Mechanics Trade Test C	63	16	34
Auto Mechanics Trade Test B		30	1
Bricklaying and Plastering Trade Test C	31		30
Certificate in Computer Studies	12		12
<b>Total</b>	<b>106</b>	<b>46</b>	<b>77</b>

**Table E1.19: Mosetse Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Auto Mechanics Trade Test C	123	57	57
Auto Mechanics Trade Test B		17	34
<b>Total</b>	<b>123</b>	<b>74</b>	<b>91</b>

**Table E1.20: Moshupa Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Bricklaying & Plastering Trade Test C	67	33	29
Bricklaying & Plastering Trade Test B		17	18
Dressmaking Trade Test C	55		49
Dressmaking Trade Test B		26	17
Certificate in Computer Studies	34	18	17
<b>Total</b>	<b>156</b>	<b>94</b>	<b>130</b>

**Table E1.21: Ngethu Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Welding and Fabrication Trade Test C	65	63	31
Welding and Fabrication Trade Test B			16
Certificate in Accounting & Business Studies	14	15	16
Certificate in Computer Studies	18	21	36
<b>Total</b>	<b>97</b>	<b>99</b>	<b>99</b>

**Table E1.22: Nswazwi Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Bricklaying & Plastering Trade Test C	14	27	27
Bricklaying & Plastering Trade Test B			23
Carpentry & Joinery Trade Test C	12	24	38
Carpentry & Joinery Trade Test B			15
Painting & Decorating Trade Test C	52	52	29
Painting & Decorating Trade Test B			16
Architectural Draughting NCC	50	47	64
<b>Total</b>	<b>128</b>	<b>150</b>	<b>212</b>

**Table E1.23: Okavango Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Auto Mechanics Trade Test C	39		41
Auto Mechanics Trade Test B	11		25
Bricklaying and Plastering Trade Test C	42	13	62
Carpentry and Joinery Trade Test C	32	13	58
<b>Total</b>	<b>124</b>	<b>26</b>	<b>186</b>



Table E1. 24: Serowe Brigade Centre

Programme Name	2020/21	2021/22	2022/23
Auto Mechanics Trade Test C	91	32	16
Auto Mechanics Trade Test B		47	21
Auto Mechanics NCC		22	33
Bricklaying & Plastering Trade Test C	56	25	58
Bricklaying & Plastering Trade Test B		16	
Carpentry & Joinery Trade Test C	57	16	30
Carpentry & Joinery Trade Test B		22	11
Forestry Trade Test C	46	33	26
Forestry Trade Test B			15
Livestock Farming Trade Test C	61	23	32
Livestock Farming Trade Test B		31	16
Machine Fitting Trade Test C	63	23	15
Machine Fitting Trade Test B		29	16
Welding and Fabrication Trade Test C	81	25	16
Welding and Fabrication Trade Test B		44	11
Welding and Fabrication NCC		41	44
<b>Total</b>	<b>455</b>	<b>429</b>	<b>360</b>

Table E1. 25: Shashe Brigade Centre

Programme Name	2020/21	2021/22	2022/23
Bricklaying & Plastering Trade Test C	61	17	21
Bricklaying & Plastering Trade Test B		23	16
Carpentry & Joinery Trade Test C	66	15	25
Carpentry & Joinery Trade Test B		30	18
Welding and Fabrication Trade Test C	89		55
Welding and Fabrication Trade Test B		53	
<b>Total</b>	<b>216</b>	<b>138</b>	<b>135</b>

Table E1. 26: Shoshong Brigade Centre

Programme Name	2020/21	2021/22	2022/23
Bricklaying & Plastering Trade Test C	28	22	19
Crop Farming Trade Test C	30	25	29
Crop Farming Trade Test B		8	10
<b>Total</b>	<b>58</b>	<b>55</b>	<b>58</b>

**Table E1. 27: Tlokweng Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Carpentry & Joinery Trade Test C	63	12	53
Carpentry & Joinery Trade Test B		14	52
Dressmaking Trade Test C	82	10	45
Dressmaking Trade Test B		42	65
Certificate in Computer Studies	15		19
<b>Total</b>	<b>160</b>	<b>42</b>	<b>234</b>

**Table E1. 28: Tshwaragano Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Crop Farming Trade Test C	61	52	32
Crop Farming Trade Test B			15
Dressmaking Trade Test C	56	56	42
National Certificate in Secretarial Studies	11	14	
Certificate in Accounting and Business Studies		14	
<b>Total</b>	<b>128</b>	<b>136</b>	<b>89</b>

**Table E1. 29: Tswapong Bokone Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Bricklaying & Plastering Trade Test C	44	14	44
Bricklaying & Plastering Trade Test B	18	15	13
Carpentry & Joinery Trade Test C	28	30	32
Carpentry & Joinery Trade Test B	15	16	16
Certificate in Computer Studies	15	16	18
National Certificate in Secretarial Studies	10	20	17
<b>Total</b>	<b>130</b>	<b>111</b>	<b>140</b>

**Table E1.30: Tswelopele Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Architectural Draughting NCC	50	51	91
Auto Mechanics Trade Test C	80	8	21
Auto Mechanics Trade Test B		38	54
Auto Mechanics NCC	18	17	79
Bricklaying & Plastering Trade Test C	28	13	41
Bricklaying & Plastering Trade Test B		10	22
Bricklaying & Plastering NCC	40	38	57
Carpentry & Joinery Trade Test C	56	12	33
Carpentry & Joinery Trade Test B		15	31
Carpentry & Joinery NCC	16	15	54
<b>Total</b>	<b>288</b>	<b>217</b>	<b>483</b>



**Table E1.31: Tutume Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Auto Mechanics Trade Test C	17	16	15
Auto Mechanics Trade Test B	27	17	15
Bricklaying & Plastering Trade C	32	21	40
Bricklaying & Plastering Trade B	11	10	16
Carpentry & Joinery Trade C	54		59
Carpentry & Joinery Trade B		14	
Certificate in Accounting & Business Studies	27	23	
<b>Total</b>	<b>168</b>	<b>110</b>	<b>145</b>

**Table E1.32: Zwenshambe Brigade Centre**

Programme Name	2020/21	2021/22	2022/23
Auto Mechanics Trade Test C	48	12	43
Auto Mechanics Trade Test B		14	15
Bricklaying & Plastering Trade Test C	75	11	48
Bricklaying & Plastering Trade Test B		18	17
Carpentry & Joinery Trade Test C	52	14	39
Carpentry & Joinery Trade Test B		17	15
Certificate in Accounting & Business Studies		9	9
National Certificate in Secretarial Studies		16	15
<b>Total</b>	<b>175</b>	<b>111</b>	<b>201</b>

**Table E1.33: Jwaneng Technical College**

Programme Name	2020/21	2021/22	2022/23
Bricklaying & Plastering Trade Test C	22		26
Bricklaying & Plastering Trade Test B			14
Bricklaying & Plastering NCC	32	51	20
Carpentry & Joinery Trade Test C	51		34
Carpentry & Joinery Trade Test B		27	11
Carpentry & Joinery NCC		16	18
Electrical Installation Trade Test C	79	38	28
Electrical Installation Trade Test B		35	23
Electrical Installation NCC		35	37
Painting & Decoration Trade Test C	50		27
Painting & Decoration Trade Test B		21	12
Certificate in Accounting and Business Studies		22	
<b>Total</b>	<b>234</b>	<b>245</b>	<b>250</b>

Table E1.34: Maun Technical College

Programme Name	2020/21	2021/22	2022/23
Auto Electrics Trade Test C		35	22
Auto Mechanics Trade Test C		67	16
Auto Mechanics NCC		20	17
Bricklaying & Plastering Trade Test C	48	48	34
Bricklaying & Plastering NCC	16	16	20
Carpentry & Joinery Trade Test C	62	62	23
Carpentry & Joinery Trade Test B			18
Carpentry & Joinery Trade Test NCC			17
Dressmaking Trade Test C	47	53	20
Dressmaking NCC			39
Electrical Installation Trade Test C	74	83	9
Electrical Installation Trade Test B			25
Electrical Installation NCC		21	
Electronics (Radio & TV) Test C			5
Hospitality Operations Trade Test C	17	17	
Machine Fitting Trade Test C		13	12
Machine Fitting NCC			3
Maintenance Fitting Trade Test C	38	38	
Maintenance Fitting Trade Test B			17
Maintenance Fitting NCC			14
Painting & Decoration Trade Test C	34	34	
Painting & Decoration trade Test C			8
Painting & Decoration NCC			17
Panel Beating & Spray Painting Trade Test C	50	50	
Plumbing & Pipe Fitting Trade Test C	53	53	26
Plumbing & Pipe Fitting NCC		13	20
Welding and Fabrication Trade Test C	34	34	
Welding & Fabrication NCC		22	21
CHEF			8
Certificate in Accountancy and Business Studies	17	38	14
Travel & Tourism BPTEP		28	26
Waiter			8
<b>Total</b>	<b>490</b>	<b>745</b>	<b>459</b>



**Table E1.35: Palapye Technical College**

Programme Name	2020/21	2021/22	2022/23
Auto Electrics Trade Test C	38		
Auto Electrics NCC			21
Auto Electrical Trade Test B		25	
Auto Mechanics Trade Test C	48	20	19
Auto Mechanics Trade Test B		32	
Auto Mechanics NCC			39
Bricklaying & Plastering Trade Test C	28		17
Bricklaying & Plastering Trade Test B		28	
Bricklaying & Plastering NCC	16	31	32
Carpentry & Joinery Trade Test C	24		
Carpentry & Joinery Trade Test B		14	
Carpentry & Joinery NCC		13	31
Clothing Design & Technology Trade Test C	52		15
Clothing Design & Technology Trade Test B		31	
Clothing Design & Technology NCC			17
Electrical Installation and Appliances Trade Test C	53	14	
Electrical Installation and Appliances Trade Test B		36	14
Electrical Installation and Appliances NCC			50
Certificate in Information & Communication Technology		27	23
Machine Fitting Trade Test C	40		14
Maintenance Fitting Trade Test C		30	
Painting & Decoration Trade Test C	47	29	13
Painting & Decoration Trade Test B			13
Painting & Decoration NCC			21
Plumbing & Pipefitting Trade Test C	76	18	15
Plumbing & Pipe Fitting Trade Test B		34	17
Plumbing & Pipe Fitting NCC			31
Welding & Fabrication Trade Test C	46	28	
Welding & Fabrication Trade Test B		16	17
Welding & Fabrication NCC			20
Certificate in Accounting & Business Studies	6	24	
National Certificate in Secretarial Studies	6	22	
<b>Total</b>	<b>480</b>	<b>472</b>	<b>439</b>



Table E1.36: Selebi-Phikwe Technical College

Programme Name	2020/21	2021/22	2022/23
Auto Mechanics Trade Test C	39		30
Auto Mechanics Trade Test B		20	
Auto Mechanics NCC		16	37
Bricklaying & Plastering Trade Test C		13	
Bricklaying & Plastering Trade Test B		12	
Bricklaying & Plastering NCC		17	26
Dressmaking Trade Test C	43	30	
Dressmaking Trade Test B			12
Dressmaking NCC	15	30	35
Electrical Trade Test C	44		36
Electrical Trade Test B		31	
Electrical Installation and Maintenance NCC			32
Electronics Trade Test C	38	16	
Electronics Trade Test B			28
Furniture & Cabinet Making Trade Test C			27
Furniture & Cabinet Making Trade Test B		18	
Furniture & Cabinet Making NCC			14
Painting & Decoration Trade Test C		17	28
Painting & Decoration Trade Test B		8	
Painting & Decoration NCC			16
Plumbing & Pipe Fitting Trade Test C			30
Plumbing & Pipe Fitting Trade Test B		14	
Plumbing & Pipe Fitting Trade Test NCC			16
Welding & Fabrication Trade Test C	52	18	16
Welding & Fabrication Trade Test B		16	20
Welding & Fabrication NCC			16
Certificate in Accounting and Business Studies	16		
Information & Communication Technology	30	30	39
National Certificate in Secretarial Studies	14	6	
<b>Total</b>	<b>291</b>	<b>312</b>	<b>458</b>

## ANNEXURE 2: STUDENT ENROLMENT BY PROGRAMME- PRIVATE INSTITUTIONS

**Table E2.1: ABM University College**

Programme Name	2020/21	2021/22	2022/23
Chartered Institute of Procurement & Supply (CIPS)	27	17	23
Certificate in Electrical and Electronic Engineering	51	7	8
Certificate in Human Resource Management	3		10
Certificate in Marketing Management			1
Certificate in Secretarial Studies	2		1
Certificate in Tourism & Hospitality Management	27		
Diploma in Business Management	7	1	
Diploma in Electrical and Electronic Engineering	9	9	4
Diploma in Financial Management	9		
Diploma in Human Resource Management	1	11	40
Diploma in Marketing Management	2		2
Diploma in Procurement and Supply		2	
Diploma in Secretarial Studies	74	35	107
Diploma in Tourism & Hospitality Management	1		
Advanced Diploma in Business Management			2
Advanced Diploma in Electrical & Electronics Engineering	119	76	53
Advanced Diploma in Human Resource Management			2
Bachelor of Arts (Hons) Tourism & Hospitality Management	109	80	95
Bachelor of Commerce Marketing Management	32	17	21
Bachelor of Science Financial Management	64	31	36
<b>Total</b>	<b>537</b>	<b>286</b>	<b>405</b>

**Table E2.2: Aircraft Maintenance & Engineering Training School**

Programme Name	2020/21	2021/22	2022/23
Diploma in Aircraft Maintenance & Engineering	55	56	52
<b>Total</b>	<b>55</b>	<b>56</b>	<b>52</b>

**Table E2.3: Arthur Portland**

Programme Name	2020/21	2021/22	2022/23
Association of Accounting Technicians (AAT)	4	21	26
Association of Chartered Certified Accountants (ACCA)	20	61	52
Botswana Institute of Chartered Accountants (BICA)	2	3	3
Chartered Financial Analyst (CFA)	56	5	4
Chartered Institute of Management Accountants (CIMA)	11	11	22
<b>Total</b>	<b>93</b>	<b>101</b>	<b>107</b>

**Table E2.4: Assembly Bible College**

Programme Name	2020/21	2021/22	2022/23
Diploma in Biblical Theology & Ministry		23	72
Advanced Diploma in Biblical Theology & Ministry	27	16	
Bachelor of Arts in Biblical Theology & Ministry	14	80	53
<b>Total</b>	<b>41</b>	<b>119</b>	<b>125</b>

**Table E2.5: AWIL College**

Programme Name	2020/21	2021/22	2022/23
Bachelor of Arts (Live Performance)	28	36	31
Bachelor of Arts (Motion Picture Medium)	188	128	52
<b>Total</b>	<b>216</b>	<b>164</b>	<b>83</b>

**Table E2.6: BA ISAGO University**

Programme Name	2020/21	2021/22	2022/23
Association of Chartered Certified Accountants (ACCA)	18		
Certificate in Business Management	39	37	34
Certificate in Customs, Clearing & Freight Forwarding			4
Certificate in Court Administration	5	3	
Certificate in Early Childhood Education			20
Certificate in Entrepreneurship	7		
Certificate in Law	21	6	9
Certificate in Real Estate	40	49	40
Certificate in Vocational Education & Training		5	
Diploma in Accounting	3	1	
Diploma in Court Administration	11	6	6
Diploma in Insurance	6	3	7
Diploma in Law	13	34	18
Diploma in Marketing	8	1	
Diploma in Occupational Health and Safety Management	102	65	78
Diploma in Real Estate	69	48	51
Diploma in Transport Management & Logistics	56	16	28
National Professional Diploma in Education (Intermediate)	10		
Bachelor of Arts in Counselling		14	46
Bachelor of Arts in Landscape Architecture		20	40
Bachelor of Arts (Law & Public Administration)	232	192	182
Bachelor of Business Administration (Tourism Management)			3
Bachelor of Commerce (Accounting)	98	32	30
Bachelor of Commerce (Banking & Finance)	94	147	111
Bachelor of Commerce (Economics)	151	115	94
Bachelor of Commerce (Entrepreneurship)	83	42	29

### BA ISAGO University continued...

Programme Name	2020/21	2021/22	2022/23
Bachelor of Commerce (Human Resource Management)	12		
Bachelor of Commerce (Investment Management)			32
Bachelor of Commerce (Marketing Management)	58	42	38
Bachelor of Commerce (Retail Operations Management)		11	13
Bachelor of Commerce (Real Estate)	360	377	367
Bachelor of Commerce (Risk Management)	21	2	2
Bachelor of Commerce (Transport Management & Logistics)	433	366	313
Bachelor of Commerce (Hons) Actuarial Science	1	4	4
Bachelor of Commerce (Hons) Fiscal Studies		24	27
Bachelor of Commerce (Hons) (Risk Management & Insurance)	111	95	56
Bachelor of Education (Early Child Development)	246	261	270
Bachelor of Education (General) Revised	2		
Bachelor of Education (Special & Inclusive Education)		35	77
Bachelor of Science Degree in Quantity Surveying	396	472	424
Bachelor of Science in Safety, Health & Environmental Management		34	113
Master of Business Administration			3
Master of Commerce (Banking & Finance)			7
Master of Commerce in Economics		9	10
Master of Commerce in Strategic Marketing		12	5
Master of Educational Leadership and Management		23	16
<b>Total</b>	<b>2,706</b>	<b>2,603</b>	<b>2,607</b>

**Table E2.7: Bosa Bosele Training Institute**

Programme Name	2020/21	2021/22	2022/23
Certificate in Early Childhood Education	182	156	182
Certificate in HIV/AIDS Care & Counselling	3	2	2
Certificate in Security, Risk and Loss Control	45	16	22
Certificate in Social Work	59	75	80
Certificate of Proficiency in Insurance	43	11	21
Diploma in Early Childhood Education	4	6	15
Diploma in Education	6	2	2
Diploma in Social Work	79	105	90
Advanced Diploma in Early Childhood Education	45	15	3
Bachelor of Arts in Community Development	64	33	25
Bachelor of Education in Early Childhood Education	62	28	20
<b>Total</b>	<b>592</b>	<b>449</b>	<b>462</b>

**Table E2.8: Boitekanelo College**

Programme Name	2020/21	2021/22	2022/23
Certificate in Dental Surgery Assisting	21		16
Certificate in Emergency Medical Care	17	16	34
Certificate in Health Care Assistance	60	155	414
Certificate in Health Education Assistance			185
Certificate in Occupational Health And Safety		8	
Diploma in Counselling	1		
Diploma in Emergency Care Technology	76	100	106
Diploma in Health Care Management	10	15	8
Diploma in Health Education & Promotion	2	1	
Diploma in Occupational Health and Safety	31	16	21
Higher Diploma in Pharmacy Technology	226	281	297
National Diploma in Clinical Technology	74	84	83
Bachelor of Arts Counselling	218	184	158
Bachelor of Arts Health Care Service Management	393	382	290
Bachelor of Science in Emergency Medical Care	156	171	171
Bachelor of Science Health Promotion & Education	313	280	209
Bachelor of Science in Occupational Health & Safety	607	583	426
Bachelor of Science in Nutrition & Dietetics	21	26	7
<b>Total</b>	<b>2,226</b>	<b>2,302</b>	<b>2,425</b>

**Table E2.9: Botswana Institute of Bankers**

Programme Name	2020/21	2021/22	2022/23
Certificate in Banking	126	88	20
Associate Diploma in Banking	52	23	5
Diploma in Banking & Finance			86
<b>Total</b>	<b>177</b>	<b>111</b>	<b>111</b>

**Table E2.10: DDT College of Medicine**

Programme Name	2020/21	2021/22	2022/23
Bachelor of Doctor Assistance	54	40	49
Bachelor of Medical Laboratory Science	120	63	85
Bachelor of Pharmacy	143	105	131
Bachelor of Physiotherapy	76	54	72
<b>Total</b>	<b>393</b>	<b>262</b>	<b>337</b>



**Table E2.11: Botho University**

Programme Name	2020/21	2021/22	2022/23
Association of Accounting Technician (AAT)	63	7	8
Association of Chartered Certified Accountants (ACCA)	29	1	
Botswana Institute of Chartered Accounts (BICA)	6		
Chartered Institute of Management Accountants (CIMA)	31	23	19
Certificate in Computer Hardware Maintenance & Networking	1		
Certificate in Database Administration	1		
Certificate in Web Design	6		
Diploma in Event Management			1
Diploma in Occupational Health & Safety			46
Bachelor of Business Administration Small Business Management		9	39
Bachelor of Commerce in Accounting		16	57
Bachelor of Commerce in Finance			29
Bachelor of Commerce in Investment & Banking			10
Bachelor of Commerce in Risk Management		12	30
Bachelor of Education (Hons) Primary Education	27	46	61
Bachelor of Engineering (Computer Engineering)	120	83	84
Bachelor of Engineering (Electrical Engineering)	180	162	172
Bachelor of Science (Hons) in Accounting	185	167	127
Bachelor of Science (Hons) in Business Management	164	157	130
Bachelor of Science (Hons) in Computer Networking		5	12
Bachelor of Science (Hons) in Computing	143	148	147
Bachelor of Science (Hons) in Finance	185	206	155
Bachelor of Science (Hons) in Health Information Management	581	597	581
Bachelor of Science (Hons) in Hospitality Management	141	113	96
Bachelor of Science (Hons) in Jewellery Management & Design	35	20	7
Bachelor of Science (Hons) in Mobile Computing	34	15	10
Bachelor of Science (Hons) in Multimedia Systems	44	29	33
Bachelor of Science (Hons) in Network Security & Forensics	225	269	305
Bachelor of Science (Hons) in Sports Management	4	1	1
Master of Business Administration	55	114	156
Master of Commerce (Human Resource Management)			30
Master of Education in Higher Education	58	72	110
Master of Education Curriculum Design & Instruction			32
Master of Science in Computer Systems Management	39	71	86
Master of Science in Information Systems Management			18
Faculty of Computing Exchange Programme	12		
Professional Qualification in International Public Financial Management	15		
Professional Development Programmes	124		
Post Graduate Diploma in Higher Education	61	158	164
<b>Total</b>	<b>2,569</b>	<b>2,501</b>	<b>2,756</b>

**Table E2.: Gaborone Institute of Professional Studies**

Programme Name	2020/21	2021/22	2022/23
Association of Accounting Technicians (AAT)	13	1	2
Association of Chartered Certified Accountants (ACCA)	1	1	4
Certificate in Accounting and Finance			2
Certificate in Banking & Finance			1
Certificate in Beauty Therapy & Hairdressing			2
Certificate in Business Management			2
Certificate in Dressmaking			3
Certificate in Early Childhood Education			3
Certificate in Entrepreneurship			3
Certificate in Human Resource Management			2
Certificate in Information & Communication Technology			3
Certificate in Insurance & Risk Management			2
Certificate in Logistics & Transport Management			3
Certificate in Marketing			1
Certificate in Project Management			4
Certificate in Public Administration			3
Certificate in Secretarial studies			1
Certificate in Strategic Management			3
Certificate in Tourism			1
International Certificate in Computer Studies (Level 3 & 4)			6
Diploma in Computing	42		2
Advanced Diploma in Automotive Electrical Engineering		41	44
Advanced Diploma in Diesel Plant Engineering	97	95	78
Advanced Diploma International Tourism	10		
Advanced Diploma in Motor Vehicle Repair & Refinishing	9	6	13
Bachelor of Arts in Public Administration	8	12	8
Bachelor of Business Administration (Accounting & Finance)	15	20	19
Bachelor of Business Administration (Marketing)	3	3	3
Bachelor of Business Administration (Marketing Management)			2
Bachelor of Business Administration (Business Management)	8	8	7
Bachelor of Business Administration (Strategic Management)	71	65	45
Bachelor of Business Administration (Travel & Tourism Management)	6		
Bachelor of Commerce Banking & Finance		21	10
Bachelor of Commerce Entrepreneurship	10	4	2
Bachelor of Commerce (Logistics and Supply Chain Management)		74	64
Bachelor of Commerce (Purchasing & Supply Management)	154	61	69
Bachelor of Science Computer Science	1		3
Bachelor of Science Forensic Accounting & Finance	33	28	43
Bachelor of Science Information Technology	2		
<b>Total</b>	<b>573</b>	<b>440</b>	<b>464</b>

Table E2.13: Gaborone Universal College of Law

Programme Name	2020/21	2021/22	2022/23
Chartered Institute of Procurement & Supply (CIPS)	5	3	9
Diploma in Child Law			1
Diploma in Court Administration	4	2	5
Diploma in Criminology	32	48	39
Diploma in Early Childhood Education	228	333	180
Diploma in Electronics	2	3	3
Diploma in Events Management		7	2
Diploma in Labour Law	9	4	5
Diploma in Law	227	274	375
Diploma in Motor Vehicle Engineering	72	5	6
Diploma in Occupational Health & Safety	59	173	135
Diploma in Policing	2		1
Diploma in Public Health	35	73	61
Diploma in Procurement and Supply	32	9	32
Diploma in Security Management and Legal Studies		34	34
Diploma in Sports & Recreation		1	3
Diploma in Strategic Leadership in Policing & Security	16		1
Diploma in Transport Planning & Management	20	27	11
Diploma in Water and Environmental Engineering	6	11	4
Advanced Diploma in Criminology	1		
Advanced Diploma in Occupational Health & Safety	114	44	23
Advanced Diploma in Occupational health & Safety & Environmental Law		1	
Advanced Diploma in Purchasing & Supply Management	20	24	2
Advanced Diploma in Security Management & Legal Stud-ies			
Bachelor of Arts (Law & Public Administration)	242	242	46
Bachelor of Arts (Public Health)	319	226	199
Bachelor of Business Administration (Entrepreneurship)	12	13	21
Bachelor of Business Administration (Occupational Health & Safety)	570	499	53
Bachelor of Civil Engineering, Technology in Construction			10
Bachelor of Commerce in Accountancy	6	8	10
Bachelor of Commerce in Purchasing & Supply Management	67	40	
Bachelor of Commerce in Travel & Tourism	22	9	7
Bachelor of Education (Early Childhood Education)	235	226	226
Bachelor of Education (Special & Inclusive Education)			7
Bachelor of Human Development & Family Studies			1
Bachelor of Laws	54	102	144
Bachelor of Policing & Law			1
Bachelor of Science in Health Promotion & Disease Prevention	24	28	18
Bachelor of Technology in Construction Engineering	327	189	31

*Gaborone Universal College of Law continued...*

Programme Name	2020/21	2021/22	2022/23
Master of Education (Early Childhood)	3	3	
Master of Public Health	2	2	
Master of Science in Early Childhood			2
Master of Science in Occupational Health & Safety	7	7	7
Master of Science in Public Health			2
<b>Total</b>	<b>2,834</b>	<b>2,670</b>	<b>1,859</b>

**Table E2.14: Imperial School of Business**

Programme Name	2020/21	2021/22	2022/23
Association of Accounting Technicians (AAT)	8	6	9
Association of Chartered Certified Accountants (ACCA)	10		
Chartered Institute of Management Accountants (CIMA)	3		
Certificate Business Management	8	18	
Certificate in Early Childhood Education		11	
Certificate in Entrepreneurship	6	4	5
Certificate in Health & Safety		7	1
Certificate in Human Resource Management		7	3
Certificate in Logistics & Transport Management	2	13	16
Certificate in Marketing			3
Certificate in Marketing, Advertising & Public Relations Management	5		
Certificate in Project Management		8	1
Certificate in Travel, Tourism & Hospitality Management	5	3	
Diploma in Business Management			7
Diploma in Logistic & Transport Management			6
Diploma in Marketing Management			5
Diploma in Tourism Management			2
Certificate of Proficiency in Long-term Insurance	4	8	17
Bachelor of Business Administration (Business Management)	11	35	30
Bachelor of Business Administration (Entrepreneurship)	37	16	14
Bachelor of Business Administration (Logistic & Transport Management)	139	183	92
Bachelor of Business Administration in Marketing & Public Relations Management		6	5
Bachelor of Business Administration (Tourism Management)			5
Bachelor of Business Administration (Travel Tourism & Hospitality)	72	41	30
Bachelor of Commerce (Finance & Banking)	99	79	86
<b>Total</b>	<b>409</b>	<b>445</b>	<b>350</b>

Table E2.15: Kgolagano College

Programme Name	2020/21	2021/22	2022/23
Certificate in Human Development & Rehabilitation			1
Certificate in Theology	5	10	21
Certificate of Competence in Preaching			17
Diploma in Theology	25	11	15
Bachelor of Theology	25	5	21
Music Theory & Practical piano (level 1)		1	1
<b>Total</b>	<b>55</b>	<b>27</b>	<b>76</b>

Table E2.16: Limkokwing University of Creative Technology

Programme Name	2020/21	2021/22	2022/23
Certificate in Digital Video	1		
Certificate in Fashion & Textiles			1
Certificate in Hospitality Management	2		
Certificate in Retail & Marketing Management	1		
Diploma in Architectural Technology	8	8	1
Diploma in Hospitality Management			
Diploma in Interior Design	1	1	
Diploma in Retail & Marketing Management	1	1	1
Diploma in Tourism Management	3	3	1
Associate Degree in Advertising	5	2	
Associate Degree in Architectural Technology	221	205	153
Associate Degree in Broadcasting (Radio & Television)	3	3	4
Associate Degree in Business Information System	5	2	4
Associate Degree in Business Management	5	2	7
Associate Degree in Creative Multimedia	2	1	3
Associate Degree in Digital Photography	1		2
Associate Degree in Events Management	1		
Associate Degree in Fashion & Apparel Design	77	76	89
Associate Degree in Graphic Design	18	17	22
Associate Degree in Interior Design	27	27	20
Associate Degree in Journalism & Media	7	2	5
Associate Degree in Marketing	1		1
Associate Degree in Packaging Design & Technology			1
Associate Degree in Public Relations	1		
Associate Degree in Retail Management			1
Associate Degree in Software Engineering	1	1	
Associate Degree in Sound Technology	49	40	40
Associate Degree in Textile	243	242	173
Associate Degree in Tourism Management	2		2
Associate Degree in Television & Film Production	6	2	1
Associate Degree in Web Design	1		1



*Limkokwing University of Creative Technology continued...*

Programme Name	2020/21	2021/22	2022/23
Bachelor of Arts (Hons) in Broadcasting & Journalism	419	382	285
Bachelor of Arts (Hons) in Creative Multimedia	167	157	132
Bachelor of Arts (Hons) in Digital Film & Television	264	145	69
Bachelor of Arts (Hons) Event Management	92	85	45
Bachelor of Arts (Hons) Industrial Design	176	171	77
Bachelor of Arts (Hons) Professional Communication			1
Bachelor of Arts in Interior Architecture	61	50	17
Bachelor of Business (Hons) Entrepreneurship	87	76	52
Bachelor of Business (Hons) Finance & Banking	95	95	98
Bachelor of Business (Hons) Hospitality Management	66	66	78
Bachelor of Business (Hons) International Business	222	195	152
Bachelor of Business (Hons) Marketing		24	28
Bachelor of Business (Hons) Tourism Management	214	184	108
Bachelor of Design (Hons) Professional Design	507	339	157
Bachelor of Science (Hons) Electronic Commerce	1		
Bachelor of Science (Hons) Information Technology	46	45	33
Bachelor of Science (Hons) Software Engineering with Multimedia	110	101	96
<b>Total</b>	<b>3,244</b>	<b>2,750</b>	<b>1,961</b>

*Table E2.17: Logan Business College*

Programme Name	2020/21	2021/22	2022/23
Bachelor of Commerce in Banking & Finance			3
Bachelor of Commerce in Marketing Management			2
Bachelor of Science in Forensic Financial Accounting	7	48	62
<b>Total</b>	<b>7</b>	<b>48</b>	<b>67</b>

*Table E2.18: Mega-Size College*

Programme Name	2020/21	2021/22	2022/23
Certificate in Financial Accounting			1
Certificate in Office Administration		3	1
Certificate in CIPS	4		
Diploma in Fleet Management	16	15	7
Advanced Diploma in Purchasing & Supply	2		
Professional Diploma in Procurement & Supply	1	5	7
Bachelor of Science in Occupational Health, Safety & Environmental Management			4
Bachelor of Science in Procurement & Supply	51	69	77
<b>Total</b>	<b>74</b>	<b>92</b>	<b>97</b>

**Table E2.19: Management College of Southern Africa**

Programme Name	2020/21	2021/22	2022/23
Higher Certificate in Accounting		1	1
Higher Certificate in Project Management		1	
Bachelor of Business Administration	10	25	
Advanced Diploma in Business Management			1
Bachelor of Business Administration			26
Bachelor of Commerce in Accounting		1	3
Bachelor of Commerce in Entrepreneurship		3	3
Bachelor of Commerce			
(Business Information & Technology Management)	2	2	
Bachelor of Commerce (Digital Marketing)			2
Bachelor of Commerce (Financial Management)		1	2
Bachelor of Commerce (Human Resource Management)	2	5	8
Bachelor of Commerce (Information & Technology Management)			3
Bachelor of Commerce (International Business)		3	1
Bachelor of Commerce (Marketing Management)		5	6
Bachelor of Commerce in Project Management		5	8
Bachelor of Commerce (Supply Chain Management)	11	8	6
Bachelor of Commerce Tourism & Hospitality Management		1	1
Bachelor of Public Administration		1	1
Master of Business Administration		4	4
Master of Commerce		1	1
Post-graduate Diploma in Business Management		6	1
<b>Total</b>	<b>25</b>	<b>73</b>	<b>76</b>

**Table E2.20: New Era College of Arts, Science and Technology**

Programme Name	2020/21	2021/22	2022/23
Certificate in Accommodation, Operations & Services	5		
Certificate in Construction Industry	15		
Diploma in Accommodation Operations & Services	5	5	
Diploma in Construction Industry	30		
Diploma in Electrical & Electronics Engineering	109	101	20
Technician Diploma in Construction		10	
Technician Advanced Diploma in Construction		12	
Advanced Diploma in Accommodation Operations & Services	1		
Advanced Diploma in Construction Industry (City & Guilds)	37		6
Advanced Diploma Telecommunications Systems	24	13	15
Bachelor of Business Administration (Transport & Logistics Management)			5
Bachelor of Communications Engineering	170		
Bachelor of Commerce in Accounting			2
Bachelor of Commerce in Financial Management			1
Bachelor of Commerce in Information & Technology Management			4
Bachelor of Commerce in Marketing Management			1
Bachelor of Education (Inclusive Education)			12
Bachelor of Electrical & Electronics Engineering	465	285	298
Bachelor of Engineering in Telecommunications		140	77
Bachelor of Science in Forensic Financial Accounting			4
<b>Total</b>	<b>861</b>	<b>566</b>	<b>445</b>

## ANNEXURE 3: STUDENT ENROLMENTS BY PROGRAMME - PUBLIC INSTITUTIONS

*Table E3.1: Botswana Accountancy College*

Programme Name	2020/21	2021/22	2022/23
Association of Accounting Technicians (AAT)	220	373	159
Association of Chartered Certified Accountants (ACCA)	58	121	130
Botswana Institute of Chartered Accountants (BICA)		48	17
Certificate in Finance Non-Finance Managers	17	18	
Certificate of Health Insurance	1		
Certificate of Insurance (Life, Commercial & Personal)	9		
Certificate in Practice of Long-term Insurance	61		
Certificate in Practice of Retirement Funds	11		
Certificate in Practice of Short Term Insurance	43		
Post Graduate Certificate in Enterprise Risk Management	105	104	25
Post Graduate Certificate in Infrastructure Finance	4		
Post Graduate Certificate in Public Sector Procurement & Tender Process Management	17	20	1
Post Graduate Certificate - Public Sector Project Management	12	12	
Certified Internal Audit			6
Chartered Institute of Management Accountants (CIMA)	118	113	77
Chartered Institute of Procurement and Supply	235	675	497
Finance for Non-Finance Managers			14
Post Graduate Diploma in Advanced Taxation	20	58	
Bachelor of Arts (Hons) in Accounting & Finance	218	169	149
Bachelor of Arts (Hons) Business Leadership & Entrepreneurship	233	236	249
Bachelor of Arts (Hons) in Business Management	308	328	373
Bachelor of Arts (Hons) in International Finance & Banking	200	180	157
Bachelor of Arts (Hons) International Hospitality Management	76	74	113
Bachelor of Arts (Hons) International Travel & Tourism Management	235	192	7
Bachelor Degree in Insurance (Professional)	105	225	192
Bachelor of Science (Hons) Applied Business Computing	105	93	72
Bachelor of Science (Hons) Business Intelligence & Data Analytics	271	387	421
Bachelor of Science (Hons) Computer Systems Engineering	338	366	306
Bachelor of Science (Hons) Information Communication Technologies	64	60	34
Bachelor of Science (Hons) Mobile Technology	59	38	31
Bachelor of Science (Hons) Network Computing	45	43	51
Fundamental Business Communication/Calculations/Organisational	9		
<b>Total</b>	<b>3,206</b>	<b>3,933</b>	<b>3,142</b>

**Table E3.2: Botswana College of Engineering and Technology**

Programme Name	2020/21	2021/22	2022/23
National Craft Certificate in Fitter Machining	15	15	
National Craft Certificate in Heavy Plant Mechanics	18		
National Craft Certificate in Maintenance Fitting	66	55	
National Craft Certificate Welding & Fabrication	65	48	
Diploma in Building and Civil Engineering	104	93	123
Diploma in Electrical & Electronic Engineering	121	106	90
Diploma in Water & Environmental Engineering	108	87	79
Diploma in Geomatics	108	89	66
Diploma in Mechanical Engineering	185	104	139
<b>Total</b>	<b>790</b>	<b>797</b>	<b>497</b>

**Table E3.3: Botswana International University of Science and Technology**

Programme Name	2020/21	2021/22	2022/23
Bachelor of Engineering (Chemical)	98	103	145
Bachelor of Engineering (Civil & Environmental)	107	94	137
Bachelor of Engineering (Computer & Telecommunications)	85	76	104
Bachelor of Engineering (Electrical & Electronics)	115	111	139
Bachelor of Engineering (Geological Engineering)	90	81	118
Bachelor of Engineering (Industrial & Manufacturing)	84	81	110
Bachelor of Engineering (Materials & Metallurgical)	70	74	112
Bachelor of Engineering (Measurement & Instrumentation)	3		
Bachelor of Engineering (Mechanical & Energy)	112	90	167
Bachelor of Engineering (Mechatronics Engineering)	4		
Bachelor of Eng. (Mechatronics & Industrial Instrumentation)	121	100	146
Bachelor of Engineering (Mining Engineering)	74	73	138
Bachelor of Sciences (Biological Sciences & Biotechnology)	95	92	138
Bachelor of Sciences (Computer Science & Software Eng.)	85	80	160
Bachelor of Sciences (Earth & Environmental Sciences)	59	55	69
Bachelor of Sciences (Environmental Sciences)	60	42	66
Bachelor of Sciences (Environmental & Analytical Chemistry)	2		
Bachelor of Sciences (Forensic Sciences)	83	69	91
Bachelor of Sciences (Geology)	90	87	95
Bachelor of Sciences (Information Systems & Data Management)	43	38	73
Bachelor of Sciences (Materials & Nano Chemistry)	2		
Bachelor of Sciences (Physics)	76	58	92
Bachelor of Science (Pure & Applied Chemistry)	79	72	87
Bachelor of Science (Pure & Applied Mathematics)	60	58	73
Bachelor of Sciences (Statistics)	42	42	43
Master of Engineering (Chemical Engineering)	16	10	8
Master of Engineering (Civil and Environmental)	13	11	12



### Botswana International University of Science and Technology continued...

Programme Name	2020/21	2021/22	2022/23
Master of Engineering (Computer & Telecommunication)	11	11	7
Master of Engineering (Electrical & Electronics)	7	4	5
Master of Engineering (Geological Engineering)	3	3	13
Master of Engineering (Industrial & Manufacturing)	6	6	17
Master of Engineering (Materials & Metallurgical Engineering)	5	3	16
Master of Engineering (Mechanical and Energy)	22	20	19
Master of Eng. (Mechatronics & Industrial Instrumentation)	16	15	5
Master of Engineering (Mining Engineering)	10	9	9
Master of Sciences (Biology & Biotechnology)	36	34	29
Master of Sciences Chemistry (Pure and Applied)	29	28	29
Master of Sciences (Computer Science)	19	15	16
Master of Sciences (Earth and Environmental Sciences)	1		
Master of Sciences (Environmental Sciences)	16	14	22
Master of Sciences (Forensic Sciences)	8	7	15
Master of Sciences (Geological Sciences)	26	26	25
Master of Sciences (Information Systems & Data Management)	9	8	5
Master of Sciences (Physics)	21	22	30
Master of Sciences (Pure & Applied Mathematics)	12	10	9
Master of Sciences (Statistics)	15	10	11
Doctor of Philosophy (Biological Sciences)	10	6	8
Doctor of Philosophy (Chemical Engineering)	6	4	5
Doctor of Philosophy (Chemistry)	10	10	6
Doctor of Philosophy (Civil & Environmental Engineering)	6	6	7
Doctor of Philosophy (Computer & Telecommunications)	9	8	8
Doctor of Philosophy (Computer Science & Software Eng.)	9	11	17
Doctor of Philosophy (Earth and Environmental Sciences)	1		
Doctor of Philosophy (Electrical & Electronics Engineering)	5	4	3
Doctor of Philosophy (Environmental Sciences)	6	6	9
Doctor of Philosophy (Forensic Sciences)	1	1	1
Doctor of Philosophy (Geological Sciences)	9	7	9
Doctor of Philosophy (Industrial & Manufacturing Engineering)	4	3	4
Doctor of Philosophy (Information Systems & Data Management)	5	4	13
Doctor of Philosophy (Materials & Metallurgical Engineering)	5	5	7
Doctor of Philosophy (Mechanical and Energy Engineering)	6	5	5
Doctor of Philosophy (Mechatronics & Industrial Instrumentation)			2
Doctor of Philosophy (Mining Engineering)	1	2	2
Doctor of Philosophy (Physics)	7	8	18
Doctor of Philosophy (Pure & Applied Mathematics)	10	13	15
Doctor of Philosophy (Statistics)	10	11	24
<b>Total</b>	<b>2,160</b>	<b>1,956</b>	<b>2,778</b>

**Table E3.4: Botswana Open University**

Programme Name	2020/21	2021/22	2022/23
Certificate in Community Based Work	42	29	91
Certificate in Disaster Management	33	22	24
Certificate for Distance Education Practitioners	25	12	25
Certificate in Small Scale Business Management			4
Certificate in Vocational Education and Training		1	7
Diploma in Business Management	386	489	721
Diploma in Human Resource Management	555	607	665
Diploma in Integrated Early Childhood Development	2,910	2,585	2,263
Bachelor of Business Administration	434	411	384
Bachelor of Arts in Business and Entrepreneurship	149	112	113
Bachelor of Commerce in Human Resource & Labour Industrial Relations	281	280	249
Bachelor of Education (Primary)	109	93	96
Bachelor of Education Special & Inclusive Education	189	185	175
Bachelor of Integrated Early Childhood Development	168	105	57
Bachelor of Technology in Information Systems			24
Master of Business Administration	199	232	302
Master of Education (Educational Leadership)	174	141	151
Master of Public Administration	68	80	66
Postgraduate Certificate in Quality Assurance	52	50	44
English for Professional Purposes			13
<b>Total</b>	<b>5,774</b>	<b>5,434</b>	<b>5,474</b>

**Table E3.5: Botswana University of Agriculture & Natural Sciences**

Programme Name	2020/21	2021/22	2022/23
Diploma in Agricultural Extension	46	28	14
Higher Diploma in Agriculture	7	2	4
Higher Diploma in Animal Health & Production	50	41	53
Higher Diploma in Forestry & Range Ecology	3	6	6
Bachelor of Science in Agriculture	74	62	66
Bachelor of Science in Agricultural Economics	129	95	87
Bachelor of Science in Agricultural Education	48	65	78
Bachelor of Science in Agricultural Extension	7	2	7
Bachelor of Science in Agricultural Mechanization	90	74	72
Bachelor of Science in Animal Science	279	244	292
Bachelor of Science in Crop Science	64	49	40
Bachelor of Science in Food Science & Technology	251	216	196
Bachelor of Science in Range Science	60	47	36
Bachelor of Science in Soil & Water Conservation Engineering	187	153	132
Bachelor of Science in Wildlife Management			7

### Botswana University of Agriculture & Natural Sciences continued...

Programme Name	2020/21	2021/22	2022/23
Master of Science in Agricultural Education	1	6	6
Master of Science in Agricultural Engineering	9		
Master of Science in Agricultural Engineering-LUP		5	2
Master of Science in Agricultural Engineering-MC		5	6
Master of Science in Agricultural Engineering-SWE		15	13
Master of Science in Animal Science	9		
Master of Science in Animal Science (Animal Nutrition)		8	8
Master of Science in Animal Science (Breeding & Reproduction)		5	4
Master of Science in Animal Science (Management System)		7	9
Master of Science in Crop Science	8		
Master of Science in Crop Science (Agronomy)		5	5
Master of Science in Crop Science (Crop Protection)		3	5
Master of Science in Crop Science (Horticulture)		7	5
Master of Science in Crop Science (Soil science)		3	3
Master of Philosophy Animal Science (Breeding & Reproduction)			1
Doctor of Philosophy Animal Science (Animal Health)		2	2
Doctor of Philosophy Animal Science (Animal Nutrition)	3	9	8
Doctor of Philosophy Animal Science (Breeding & Reproduction)	2	1	3
Doctor of Philosophy Animal Science (Management System)		2	3
Doctor of Philosophy Crop Science (Agronomy)	3	5	7
Doctor of Philosophy Crop Science (Crop Protection)	2	1	6
Doctor of Philosophy Crop Science (Horticulture)	3	5	6
Doctor of Philosophy Crop Science (Soil Science)		3	4
<b>Total</b>	<b>1,335</b>	<b>1,181</b>	<b>1,196</b>

**Table E3.6: Botswana Wildlife Training Institute**

Programme Name	2020/21	2021/22	2022/23
Certificate in Wildlife Management & Conservation	x	x	3
Diploma in Wildlife Management & Conservation	x	x	16
<b>Total</b>	<b>x</b>	<b>x</b>	<b>19</b>

## Colleges of Education (E3.7 - E3.10)

**Table E3.7: Molepolole College of Education**

Programme Name	2020/21	2021/22	2022/23
Diploma in Secondary Education	295	298	358
<b>Total</b>	<b>295</b>	<b>298</b>	<b>358</b>

**Table E3.8: Serowe College of Education**

Programme Name	2020/21	2021/22	2022/23
Diploma in Early Childhood Care	84	48	51
Diploma in Primary Education	452	328	267
<b>Total</b>	<b>536</b>	<b>376</b>	<b>318</b>

**Table E3.9: Tlokweng College of Education**

Programme Name	2020/21	2021/22	2022/23
Diploma in Primary Education	264	251	268
<b>Total</b>	<b>264</b>	<b>251</b>	<b>268</b>

**Table E3.10: Tonota College of Education**

Programme Name	2020/21	2021/22	2022/23
Diploma in Secondary Education	452	367	286
<b>Total</b>	<b>452</b>	<b>367</b>	<b>286</b>

**Table E3.11: Defence Command Staff College**

Programme Name	2020/21	2021/22	2022/23
Senior Command in Staff Programme		58	58
<b>Total</b>		<b>58</b>	<b>58</b>

**Table E3.12: Gaborone Technical College**

Programme Name	2020/21	2021/22	2022/23
Access to Hospitality Operations Management	12	14	11
Access to Retail Business	12	13	24
BTEP Certificate in Beauty Therapy	31	57	28
BTEP Certificate Clothing Design & Textiles	33	26	26
BTEP Certificate in Hairdressing	28	41	46
BTEP Diploma in Systems Administration	31	33	29
Certificate in Electrical Engineering			23
Certificate in Hospitality Operations	19	17	
Certificate in Travel and Tourism	18	22	
Diploma in Culinary Arts	28	31	28
Diploma in Hospitality Management	35	34	37
Diploma in Travel Management	47	53	54
National Craft Certificate in Electrical			23
National Diploma in Accountancy & Business Studies	32	27	32
Technician Diploma in Electrical & Electronics Engineering	53	45	
Higher National Diploma in Secretarial Studies	45	32	32
<b>Total</b>	<b>476</b>	<b>445</b>	<b>393</b>

**Table E3.13: Francistown College of Technical and Vocational Education**

Programme Name	2020/21	2021/22	2022/23
BTEP Certificate (Applied Laboratory Science)	36	29	31
BTEP Certificate (Hospitality Operations)	23		
BTEP Certificate (Sport, Recreation & Leisure)	50	87	59
BTEP Certificate (Travel & Tourism)	21		
Certificate in Clothing Design & Textiles	32	58	31
Certificate in Hair Dressing & Beauty therapy	65	54	
Advanced Certificate in Hair Dressing			63
Advanced Certificate in ICT	18	18	
National Craft Certificate in Bricklaying and Plastering		16	
National Craft Certificate Carpentry & Joinery	23	38	
National Craft Certificate Industrial Electrical	16	31	
National Craft Certificate Maintenance Fitting	16	31	
National Craft Certificate Refrigeration & Air Conditioning	14	28	
National Craft Certificate Welding & Fabrication	15	15	
Diploma in Accounting & Business Studies	40	40	41
Diploma in Culinary Arts	8	20	19
Diploma in Hospitality Management	17	19	33
Diploma in Systems Administration	6	1	
Diploma in Travel Management	38	53	51
Diploma in Travel & Tourism	19		
Higher National Diploma in Secretarial Studies			11
National Diploma in Secretarial Studies	20	20	16
Postgraduate Diploma in TVET	42	26	30
<b>Total</b>	<b>519</b>	<b>603</b>	<b>385</b>



**Table E3.14: Institute of Development Management**

Programme Name	2020/21	2021/22	2022/23
Association of Accounting Technician (AAT)	14	37	32
Certificate in Archives & Records Administration	46	38	18
Certificate in Human Resource Management		3	
Certificate in Procurement & Supply	4		8
Chartered Institute of Procurement & Supply			14
Diploma in Archives & Records Administration	131	124	59
Diploma in Business	10		
Diploma in Community Development		3	5
Diploma in Computing	7		
Diploma in Educational Management & Administration	10	8	3
Diploma in Human Resources Management	10	22	3
Diploma in Information Technology		5	1
Diploma in Procurement & Supply	9	26	15
Diploma in Project Management	112	75	42
Diploma in Public Administration & Management	15	15	
Diploma in Public Health Management	41	41	32
International Diploma in Computer Studies	1		
Professional Diploma Procurement & Supply	301	218	115
Bachelor of Arts (Hons) Accountancy	39	19	11
Bachelor of Arts in Archives & Records Management	496	394	326
Bachelor of Arts Community Development	316	319	222
Bachelor of Arts Early Childhood Studies	337	310	320
Bachelor of Arts Travel & Tourism Management	107	67	36
Bachelor of Business Public Finance & Accounting	300	276	208
Bachelor of Education Management	58	183	99
Bachelor of Human Resource Management	42	67	62
Bachelor of Office Management	37	39	25
Bachelor of Public Health Management	1,103	1,032	858
Bachelor of Science Accounting			16
BSC Business Computing & Information Systems	2	33	
BSC Computer Networking & Software Engineering	49	8	11
Bachelor of Science Logistic & Supply Chain Management	157	120	114
Bachelor of Science Project Management	308	278	285
Post Graduate Diploma in Monitoring and Evaluation	91	75	23
Master of Science Project Management	77	73	78
Master of Science Logistics & Supply Chain Management	34	33	36
<b>Total</b>	<b>4,264</b>	<b>3,941</b>	<b>3,077</b>

## Institute of Health Sciences (E3.15 - E3.21)

**Table E3.15: Bamalete Lutheran School of Nursing**

Programme Name	2020/21	2021/22	2022/23
Advanced Diploma in Midwifery	39	33	33
<b>Total</b>	<b>39</b>	<b>33</b>	<b>33</b>

**Table E3.16: Institute of Health Sciences-Francistown**

Programme Name	2020/21	2021/22	2022/23
Higher Diploma in General Nursing	157	125	124
Advanced Diploma in Midwifery	34	28	28
<b>Total</b>	<b>191</b>	<b>153</b>	<b>152</b>

**Table E3.17: Institute of Health Sciences- Gaborone**

Programme Name	2020/21	2021/22	2022/23
Higher Diploma in Dental Therapy	4	3	11
Higher Diploma in General Nursing	137	100	140
Higher Diploma in Medical Laboratory Technology	28	23	34
Higher Diploma in Pharmacy Technology	32	23	53
Post Basic Diploma in Family Nurse Practitioner	24	19	19
Post Basic Diploma in Midwifery	36	36	42
<b>Total</b>	<b>261</b>	<b>204</b>	<b>299</b>

**Table E3.18: Kanye Seventh Day School of Nursing**

Programme Name	2020/21	2021/22	2022/23
Higher Diploma in General Nursing	99	185	185
Post Basic Diploma in Family Nurse Practitioner	22		
<b>Total</b>	<b>121</b>	<b>185</b>	<b>185</b>

**Table E3.19: Institute of Health Sciences-Lobatse**

Programme Name	2020/21	2021/22	2022/23
Higher Diploma in Environmental Health	45	45	55
Higher Diploma in General Nursing	96	95	96
Post Basic Diploma in Psychiatric Mental Health	34	38	78
<b>Total</b>	<b>175</b>	<b>178</b>	<b>229</b>

**Table E3.20: Institute of Health Sciences-Molepolole**

Programme Name	2020/21	2021/22	2022/23
Higher Diploma in General Nursing	125	123	126
<b>Total</b>	<b>125</b>	<b>123</b>	<b>126</b>

**Table E3.21: Institute of Health Sciences-Serowe**

Programme Name	2020/21	2021/22	2022/23
Higher Diploma in General Nursing	125	81	144
Higher Diploma in Health Education	37	23	46
<b>Total</b>	<b>162</b>	<b>104</b>	<b>190</b>

**Table E3.22: Oodi College of Arts and Technology**

Programme Name	2020/21	2021/22	2022/23
Certificate in Applied Laboratory Science	44	8	34
Certificate in Furniture Design & Manufacturing	22	33	23
Certificate in Jewellery Design & Manufacturing	21	13	22
Certificate in Sports Recreation & Leisure	45	27	36
Advanced Certificate in Multimedia	22	23	40
Diploma in Multimedia	29	16	7
Diploma in Network Technician	31	21	28
<b>Total</b>	<b>214</b>	<b>141</b>	<b>190</b>

**Table E3.23: University of Botswana**

Programme Name	2020/21	2021/22	2022/23
Diploma in Accounting & Business Studies	596	612	559
Diploma in Adult Education	6	3	2
Diploma in Archives & Records Management	32	24	30
Diploma in Defence & Strategic Studies	31	1	28
Diploma in Library & Information Studies	12	4	4
Diploma in Lifelong Learning & Community Development		14	11
Diploma in Non-Governmental Organisation Management	5	3	
Diploma in Population Studies	9	6	10
Diploma in Social Work	55	86	117
Diploma in Statistics	29	31	34
Bachelor of Accountancy	505	547	573
Bachelor of Architecture	101	116	102
Bachelor of Arts (Chinese Studies)	36	33	26
Bachelor of Arts (Criminal Justice)	190	278	360
Bachelor of Arts (Economics)	39	44	39
Bachelor of Arts (Environmental Science)	7	1	20
Bachelor of Arts (Humanities)	147	167	156
Bachelor of Arts (Information & Knowledge Management)			21
Bachelor of Arts (Library & Information Management)	13		
Bachelor of Arts (Library & Information Studies)	19	14	3
Bachelor of Arts (Media Studies)	51	33	27
Bachelor of Arts (Pastoral Studies)	11	5	5

### University of Botswana continued...

Programme Name	2020/21	2021/22	2022/23
Bachelor of Arts (Political Science)			4
Bachelor of Arts (Public Administration)			3
Bachelor of Arts (Social Sciences)	1,444	1,537	1,606
Bachelor of Business Administration		103	
Bachelor of Business Administration (Entrepreneurship & Enterprise)	150	140	164
Bachelor of Business Administration (International Business)	207	255	294
Bachelor of Business Administration (Logistics & Supply Chain)	404	510	667
Bachelor of Business Administration (Management)	341	282	299
Bachelor of Business Administration (Marketing)	176	142	137
Bachelor of Business Administration (Tourism & Hospitality Management)	115	104	84
Bachelor of Design (Design & Technology)	67	67	62
Bachelor of Design (Industrial Design)	83	18	101
Bachelor of Digital Media		24	19
Bachelor of Education		3	
Bachelor of Education (Adult)	28	18	9
Bachelor of Education (Art & Design)	9	37	62
Bachelor of Education (Business)	49	51	57
Bachelor of Education (Counselling)	148	120	114
Bachelor of Education (Early Childhood Management)	104	104	94
Bachelor of Education (Family & Consumer Sciences)	47	33	38
Bachelor of Education (Leadership Management)	17	59	60
Bachelor of Education (Music)	3	3	8
Bachelor of Education (Physical)	215	126	92
Bachelor of Education (Primary)	217	530	969
Bachelor of Education (Science)	721	760	798
Bachelor of Education (Secondary)	15	25	8
Bachelor of Education (Special)	114	140	129
Bachelor of Engineering		4	241
Bachelor of Engineering (Applied Geophysics)		3	
Bachelor of Engineering (Civil Engineering)	141	206	153
Bachelor of Engineering (Computer Engineering)		2	
Bachelor of Engineering (Electrical Engineering)	87	212	174
Bachelor of Engineering (Electrical & Electronic Engineering)	74	22	22
Bachelor of Engineering (Electronic Engineering)	44	109	96
Bachelor of Engineering (Industrial Engineering)	103	135	119
Bachelor of Engineering (Mechanical Engineering)	148	178	161
Bachelor of Engineering (Mineral Engineering)	27	13	8
Bachelor of Engineering (Mining Engineering)	27	18	4
Bachelor of Finance	377	570	756

*University of Botswana continued...*

Programme Name	2020/21	2021/22	2022/23
Bachelor of Fine Arts (Theatre Arts)	20	20	25
Bachelor of Geomatics	91	94	79
Bachelor of Industrial Design	39	99	
Bachelor of Information & Knowledge Management (Knowledge Management)	170	169	31
Bachelor of Information & Knowledge Management (Archives & Records Management)			116
Bachelor of Information & Knowledge Management (Library & Information Studies)			16
Bachelor Information Systems (Business)	64	62	85
Bachelor Information Systems (Computer Information Systems)	56	46	39
Bachelor Information Systems (Information Management)	43	28	19
Bachelor of Land Management	1	1	
Bachelor of Laws	637	784	961
Bachelor of Library & Information Studies	13	1	1
Bachelor of Lifelong Learning & Community Development	17	19	22
Bachelor of Media Studies	155	175	132
Bachelor of Medicine/Surgery	315	361	365
Bachelor of Nursing Science (Completion)	2	28	
Bachelor of Nursing Science (Generic)	303	430	724
Bachelor of Pastoral Care & Counselling			1
Bachelor of Pharmacy	109	152	174
Bachelor of Portuguese Language	3	4	4
Bachelor of Psychology	22	23	22
Bachelor of Public Relations & Integrated Communication		29	29
Bachelor of Real Estate	119	143	149
Bachelor of Science (Applied Geophysics)	34	61	83
Bachelor of Science (Biological Sciences)	80	94	85
Bachelor of Science (Chemistry)	51	82	73
Bachelor of Science (Computer Science)	213	247	247
Bachelor of Science (Computing with Finance)	248	337	201
Bachelor of Science (Environmental Health)	114	110	131
Bachelor of Science (Environmental Science)	16		30
Bachelor of Science (General)	1,933	2,192	1,878
Bachelor of Science (Geology)	38		75
Bachelor of Science (Histotechnology / Cytotechnology)	67	75	81
Bachelor of Science (Information Technology)	122	84	70
Bachelor of Science (Mathematics)	20	3	34
Bachelor of Science (Mathematics of Finance)	97	99	242
Bachelor of Science (Medical Laboratory Science)	151	97	157
Bachelor of Science (Physics)	22		40
Bachelor of Science (Physics with Meteorology)	49	48	68



### University of Botswana continued...

Programme Name	2020/21	2021/22	2022/23
Bachelor of Science (Radiation & Health Physics)	64	217	208
Bachelor of Science (Real Estate)	14	7	3
Bachelor of Science (Science Education)		3	
Bachelor of Science (Statistics)	17		8
Bachelor of Science (Urban & Regional Planning)	127		132
Bachelor of Social Work	346	347	382
Bachelor of Sport Science		64	
Bachelor of Sport Science (Exercise, Science & Wellness)			15
Bachelor of Sport Science (Physical Education & Coaching)			25
Bachelor of Sport Science (Recreation & Sports Management)			10
Bachelor of Sport Science (Sports & Exercise Psychology)			15
Master (Professional) in Urban and Regional Planning	12	16	9
Master of Arts		9	
Master of Arts (African Languages & Literature)	5	6	3
Master of Arts (Archives & Media Studies)		1	
Master of Arts (Archives & Records Management)	64	38	42
Master of Arts (Chinese Studies)		1	
Master of Arts (Christian Technology)		1	
Master of Arts (Counselling & Human Services)		1	
Master of Arts (Criminal Justice)	1	2	
Master of Arts (Defence & Strategic Studies)	87	1	63
Master of Arts (Demography)		1	
Master of Arts (Development Studies)	22	27	24
Master of Arts (Economics)	48	76	71
Master of Arts (Economics & Sociology)		1	
Master of Arts (Economics & Statistics)		1	
Master of Arts (English)	8	3	3
Master of Arts (English Literature)		1	
Master of Arts (French Studies)	7	4	7
Master of Arts (History)	6	5	2
Master of Arts (Humanities)	2		
Master of Arts (Language Education)		3	
Master of Arts (Library and Information Studies)		1	
Master of Arts (Media Studies)		1	
Master of Arts (Media Studies & Communication)		22	42
Master of Arts (Political Science)	1		
Master of Arts (Population Studies)	18	6	10
Master of Arts (Psychology)		1	
Master of Arts (Public Administration)	1	36	
Master of Arts (Public Administration & Environmental Science)		5	

*University of Botswana continued...*

Programme Name	2020/21	2021/22	2022/23
Master of Arts (Religion & Philosophy)		1	
Master of Arts (Social Studies)		6	
Master of Arts (Sociology)	4	3	4
Master of Arts (Statistics)	13	6	12
Master of Arts (Theology & Religious Studies)	9	2	8
Master of Business Administration	187	131	173
Master of Business Admin (Business Information Systems)	1		
Master of Business Administration (Management)	1		
Master of Business Administration (Modular)	17		
Master of Business Administration (Tourism & Hospitality Management)		1	
Master of Development Practice	8	4	2
Master of Education (Adult Education)	5	4	
Master of Education (Archives and Records Management)		1	
Master of Education (Business)		2	
Master of Education (Communication Information System)		1	
Master of Education (Counselling & Human Services)	67	31	57
Master of Education (Curriculum & Instruction)	1	17	22
Master of Education (Design & Technology Education)		1	
Master of Education (Early Childhood Education)	18	14	26
Master of Education (Educational leadership & Management)	31	14	26
Master of Education (Educational Technology)	13	7	17
Master of Education (Environmental Education)	1	1	3
Master of Education (Family & Consumer Sciences)	1		
Master of Education (Gender Education)	8	1	5
Master of Education (Guidance & Counselling)	3	18	
Master of Education (Home Economics)		1	
Master of Education (Information Management)		1	
Master of Education (Language Education)	5	11	3
Master of Education (Mathematics Education)	10	3	10
Master of Education (Physical Education)	57	16	39
Master of Education (Primary Education)	7	4	3
Master of Education (Religious Education)	2		1
Master of Education (Research & Evaluation)	55	21	45
Master of Education (Science Education)	8	10	11
Master of Education (Secondary Education)		3	
Master of Education (Social Studies Education)	3	2	2
Master of Education (Special Education)	2	1	
Master of Executive Entrepreneurship	44	80	82
Master of Laws	32	18	25
Master of Library & Information Studies	12	7	14

### University of Botswana continued...

Programme Name	2020/21	2021/22	2022/23
Master in Lifelong Learning & Community Development	6	9	9
Master of Medicine (Anaesthesia)	4	9	8
Master of Medicine (Anatomic Pathology)	3	8	6
Master of Medicine (Clinical Pathology)		4	7
Master of Medicine (Emergency Medicine)	9	8	
Master of Medicine (Family Medicine)	25	25	31
Master of Medicine (General)		8	
Master of Medicine (General Surgery)	2	2	4
Master of Medicine (Internal Medicine)	14	19	21
Master of Medicine (Obstetrics and Gynaecology)	4	8	12
Master of Medicine (Paediatrics & Adolescent Health)	26	22	22
Master of Medicine (Public Health Medicine)	16	17	20
Master of Medicine (Psychiatry)	5	10	16
Master of Nursing (Adult Health Nursing)	8		10
Master of Nursing (Community Health Nursing)	23		17
Master of Nursing (Family Nurse Practitioner)	14		24
Master of Nursing (Parent & Child Health Nursing)	13		17
Master of Nursing (Psychiatric Mental Health Nursing)	6		11
Master of Politics & International Relations	41	34	42
Master of Project Management	47	32	48
Master of Public Administration	3		
Master of Public Administration (Environmental Resource Management)		2	2
Master of Public Administration (Human Resource Management)	39	18	51
Master of Public Administration (Public Financial Management)		3	3
Master of Public Administration (Public Policy & Administration)	19	4	11
Master of Research and Public Policy	47	53	57
Master of Science (Applied Geophysics)	1	4	
Master of Science (Applied Microbiology)	2		7
Master of Science (Applied Mathematics)	1	7	
Master of Science (Biological Science)		3	
Master of Science (Chemistry)	23	13	8
Master of Science (Chemistry & Physics)		1	
Master of Science (Civil Engineering)	41	19	20
Master of Science (Computer Information Systems)	18	10	12
Master of Science (Computer Science)	16	8	11
Master of Science (Computing with Finance)		2	
Master of Science (Electrical & Electronic Engineering)	26	2	9
Master of Science (Environmental Policy)		5	

*University of Botswana continued...*

Programme Name	2020/21	2021/22	2022/23
Master of Science (Environmental Resource Management)		2	
Master of Science (Environmental Science)	62	15	49
Master of Science (General)		8	
Master of Science (Geology)		5	
Master of Science (Geospatial Science)		1	
Master of Science (Hydrogeology)	16	7	18
Master of Science (Instrumentation)		2	
Master of Science (Mathematics)	17	4	11
Master of Science (Mechanical Engineering)	5	4	10
Master of Science (Natural Resource Management)		1	
Master of Science (Physics)	10	9	8
Master of Science (Physics & Biology)		1	
Master of Social Work (General)	13	8	
Master of Social Work (Clinical Social Work)	18	23	38
Master of Social Work (Counselling & Human Services)		2	
Master of Social Work (Social Policy & Administration)	14	4	9
Master of Social Work (Youth & Community Practice)	9	4	12
Master of Philosophy		4	
Master of Philosophy (Adult Education)	6	3	1
Master of Philosophy (African Language & Literature)	2	1	
Master of Philosophy (Biological Sciences)	9	2	9
Master of Philosophy (Biomedical Sciences)	1	2	1
Master of Philosophy (Built Environment)			3
Master of Philosophy (Business)	9	9	13
Master of Philosophy (Chemistry)		3	
Master of Philosophy (Chinese Studies)		1	
Master of Philosophy (Computer Information System)	2	2	2
Master of Philosophy (Computer Science)	2	3	2
Master of Philosophy (Counselling & Human Services)		1	
Master of Philosophy (Curriculum & Instruction)	2	1	
Master of Philosophy (Cytotechnology and Histotechnology)		2	
Master of Philosophy (Defence and Strategic Studies)		2	
Master of Philosophy (Design)	1	1	3
Master of Philosophy (Development Studies)		3	
Master of Philosophy (Early Childhood)	3		
Master of Philosophy (Economics)	2	1	3
Master of Philosophy (Educational Management)	2		4

### University of Botswana continued...

Programme Name	2020/21	2021/22	2022/23
Master of Philosophy (Educational Technology)		1	1
Master of Philosophy (Engineering)	1	3	6
Master of Philosophy (English)		2	
Master of Philosophy (Electrical & Electronics)	1		
Master of Philosophy (Environmental Education)		2	1
Master of Philosophy (Environmental Science)	3	5	11
Master of Philosophy (Exercise Science)			1
Master of Philosophy (History Education)	1	2	
Master of Philosophy (Home Economics)	1		
Master of Philosophy (Human Resource Management)	1	1	
Master of Philosophy (Gender Education)			2
Master of Philosophy (Geology)	2	1	2
Master of Philosophy (Language Education)		1	
Master of Philosophy (Library & Information Studies)	3	1	5
Master of Philosophy (Lifelong Learning & Community Development)	2		
Master of Philosophy (Mathematics Education)	2		2
Master of Philosophy (Measurement & Evaluation)	1		1
Master of Philosophy (Mechanical Engineering)		1	
Master of Philosophy (Medical sciences)	3	1	3
Master of Philosophy (Natural Resource Management)	4	5	5
Master of Philosophy (Physical Education & Coaching)	1	1	
Master of Philosophy (Physics)		1	
Master of Philosophy (Political Science)	2	1	2
Master of Philosophy (Population Studies)			1
Master of Philosophy (Project Management)	2	1	
Master of Philosophy (Public Administration)	4	6	6
Master of Philosophy (Religious Education)		1	2
Master of Philosophy (Research & Evaluation)	4	5	4
Master of Philosophy (Science Education)		1	
Master of Philosophy (Social Work)	2	1	3
Master of Philosophy (Sociology)	3	2	3
Master of Philosophy (Special Education)	2		1
Master of Philosophy (Sports Psychology)	1	1	1
Master of Philosophy (Statistics)	1		1
Master of Philosophy (Theology & Religious Education)	2	1	2
Master of Philosophy (Tourism & Hospitality Management)		1	
Doctor of Philosophy (Adult Education)	2		1
Doctor of Philosophy (African Language & Literature)	1	1	1
Doctor of Philosophy (Applied Geophysics)		1	
Doctor of Philosophy (Applied Mathematics)		4	
Doctor of Philosophy (Biological Sciences)	14	1	10
Doctor of Philosophy (Business)	2	2	3
Doctor of Philosophy (Built Environment)	1		



*University of Botswana continued...*

Programme Name	2020/21	2021/22	2022/23
Doctor of Philosophy (Chemistry)	4	3	6
Doctor of Philosophy (Computer Information Systems)			1
Doctor of Philosophy (Computer Science)			2
Doctor of Philosophy (Counselling and Human Services)	3	1	1
Doctor of Philosophy (Development Studies)		1	
Doctor of Philosophy (Economics)		1	
Doctor of Philosophy (Educational Management)	4		1
Doctor of Philosophy (Engineering)	2	2	3
Doctor of Philosophy (English)	3	1	1
Doctor of Philosophy (Environmental Education)		1	1
Doctor of Philosophy (Environmental Science)	3		4
Doctor of Philosophy (Food & Nutrition)	1		1
Doctor of Philosophy (Geography Education)	1		
Doctor of Philosophy (Geology)	1		1
Doctor of Philosophy (History)	1	1	1
Doctor of Philosophy (Home Economics)		1	1
Doctor of Philosophy (Human Resource Management)		3	
Doctor of Philosophy (Humanities)		1	
Doctor of Philosophy (Language Education)	1		1
Doctor of Philosophy (Library and Information Studies)	1	1	1
Doctor of Philosophy (Mathematics)	8	6	6
Doctor of Philosophy (Medical Sciences)	4	5	7
Doctor of Philosophy (Natural Resource Management)	2	6	2
Doctor of Philosophy (Physical Education & Coaching)	1	1	1
Doctor of Philosophy (Physics)	3	3	3
Doctor of Philosophy (Political Science)	1	1	2
Doctor of Philosophy (Population Studies)	4	1	4
Doctor of Philosophy (Primary Education)		1	
Doctor of Philosophy (Public Administration)	2	1	3
Doctor of Philosophy (Research & Evaluation)	1	2	4
Doctor of Philosophy (Social Studies Education)	1		
Doctor of Philosophy (Sociology)			3
Doctor of Philosophy (Special Education)	1	2	2
Doctor of Philosophy (Statistics)	4		1
Doctor of Philosophy (Textile & Clothing)		1	
Doctor of Philosophy (Theology & Religious Studies)	6		3
Post Graduate Diploma in Education	58	70	79
Post Graduate Diploma in Guidance & Counselling			1
Post Graduate Diploma in Statistics	2		3
Pre-Medical Programme			1
Non-Degree purpose/Short Course		5	11
<b>Total</b>	<b>15,404</b>	<b>16,972</b>	<b>18,850</b>

## ANNEXURE 4: GRADUATES BY PROGRAMME - TVET INSTITUTIONS

**Table G1.1: Barolong Vocational Centre**

Programme Name	2020	2021	2022
Crop Farming Trade Test C		20	9
Dressmaking Trade Test C		27	20
Dressmaking Trade Test B	22		
Dressmaking NCC	21		
Livestock Farming Trade Test C		30	27
Certificate in Accounting & Business Studies		3	8
Certificate in Computer Studies		1	6
<b>Total</b>	<b>43</b>	<b>81</b>	<b>70</b>

**Table G1.2: Bobonong Brigades Centre**

Programme Name	2020	2021	2022
Auto Mechanics Trade Test B			41
Bricklaying & Plastering, Trade Test C			11
Bricklaying & Plastering, Trade Test B	12	12	8
Carpentry and Joinery Trade Test B			13
Certificate in Computer Studies	5	5	17
<b>Total</b>	<b>17</b>	<b>17</b>	<b>90</b>

**Table G1.3: Boteti Brigades Centre**

Programme Name	2020	2021	2022
Borehole Mechanics Trade Test C			23
Borehole Mechanics NCC	12	12	9
Bricklaying & Plastering Trade Test B			8
Carpentry & Joinery Trade Test B			17
Certificate in Accounting & Business Studies			26
<b>Total</b>	<b>12</b>	<b>12</b>	<b>83</b>

**Table G1.4: Chobe Brigades Centre**

Programme Name	2020	2021	2022
Auto Mechanics Trade Test C		12	12
Auto Mechanics Trade Test B	5	17	14
Bricklaying & Plastering Trade Test C		4	15
Bricklaying & Plastering Trade Test B		5	
Carpentry & Joinery Trade Test C		10	
<b>Total</b>	<b>5</b>	<b>48</b>	<b>41</b>

**Table G1.5: Ghanzi Brigades Centre**

Programme Name	2020	2021	2022
Auto Mechanics Trade Test C		24	7
Auto Mechanics Trade Test B			19
Bricklaying & Plastering Trade Test C		20	2
Bricklaying & Plastering Trade Test B			13
Electrical Installations & Maintenance Trade Test C			15
Electrical Installations & Maintenance Trade Test B	17	37	31
Certificate in Computer Studies	1		
<b>Total</b>	<b>18</b>	<b>81</b>	<b>87</b>

**Table G1.6: Gweta Brigades Centre**

Programme Name	2020	2021	2022
Auto Mechanics Trade Test C		21	26
Auto Mechanics Trade Test B	7		
Bricklaying & Plastering Trade Test C		15	11
Bricklaying & Plastering Trade Test B	14		
Carpentry & Joinery Trade Test C		11	9
<b>Total</b>	<b>21</b>	<b>47</b>	<b>46</b>

**Table G1.7: Kang Brigades Centre**

Programme Name	2020	2021	2022
Auto Mechanics Trade Test C		43	4
Auto Mechanics Trade Test B	13	13	27
Auto Mechanics NCC	25	26	30
Bricklaying & Plastering Trade Test C		9	1
Bricklaying & Plastering Trade Test B	10	10	6
Carpentry & Joinery Trade Test C		30	12
Carpentry & Joinery Trade Test B			20
Carpentry & Joinery NCC	3	3	14
Welding & Fabrication Trade Test C		32	
Welding & Fabrication Trade Test B	13	13	31
<b>Total</b>	<b>64</b>	<b>179</b>	<b>145</b>

**Table G1.8: Kanye Brigades Centre**

Programme Name	2020	2021	2022
Auto Mechanics Trade Test C	15	11	9
Auto Mechanics Trade Test B			23
Electrical & Appliances Trade C	21	12	11
Electrical & Appliances Trade B			22
Refrigeration & Air Conditioning Trade C	16	14	4
Refrigeration & Air Conditioning Trade B			17
<b>Total</b>	<b>52</b>	<b>37</b>	<b>86</b>

**Table G1.9: Kgalagadi Brigades Centre**

Programme Name	2020	2021	2022
Certificate in Accounting and Business Studies	14	12	14
Certificate in Computer Studies			13
<b>Total</b>	<b>14</b>	<b>12</b>	<b>27</b>

**Table G1.10: Kgatleng Brigades Centre**

Programme Name	2020	2021	2022
Bricklaying & Plastering Trade C	10	13	15
Carpentry & Joinery Trade C	4	12	11
Electrical Installation Trade C	9	81	60
Plumbing & Pipe Fitting Trade C	13	73	62
Welding & Fabrication Trade C	9	40	30
<b>Total</b>	<b>45</b>	<b>219</b>	<b>178</b>

**Table G1.11: Kweneng Bophirima Brigades Centre (KBDA)**

Programme Name	2020	2021	2022
Auto Mechanics Trade Test C		46	11
Auto Mechanics Trade Test B			9
Bricklaying & Plastering Trade Test B			6
<b>Total</b>		<b>46</b>	<b>26</b>

**Table G1.12: Kweneng Rural Development Association**

Programme Name	2020	2021	2022
Auto Mechanics Trade Test C		19	31
Bricklaying & Plastering Trade Test C	2	8	10
Bricklaying & Plastering NCC		2	15
Carpentry & Joinery Trade Test C		18	
Panel Beating & Spray Painting Trade Test C		16	
<b>Total</b>	<b>2</b>	<b>63</b>	<b>56</b>

**Table G1.13: Lobatse Brigades Centre**

Programme Name	2020	2021	2022
Bricklaying & Plastering Trade Test C		11	3
Bricklaying & Plastering Trade Test B	10		10
Carpentry & Joinery Trade Test C	9	26	5
Carpentry & Joinery Trade Test B	2		21
Plumbing & Pipefitting Trade Test C		32	8
Plumbing & Pipefitting Trade Test B	12		32
Welding & Fabrication Trade Test C		29	22
Welding & Fabrication Trade Test B	17		29
<b>Total</b>	<b>50</b>	<b>98</b>	<b>130</b>

**Table G1.14: Madiba Brigades Centre- No Graduates for 2022.****Table G1.15: Mahalapye Brigades Centre**

Programme Name	2020	2021	2022
Dressmaking Trade Test C		36	
Dressmaking Trade Test B	17		31
Certificate in Accounting & Business Studies			3
<b>Total</b>	<b>17</b>	<b>36</b>	<b>34</b>

**Table G1.16: Marapong Brigades Centre**

Programme Name	2020	2021	2022
Dressmaking Trade Test C		17	
Dressmaking Trade Test B	7		
Certificate in Accounting & Business Studies II	7		1
National Certificate in Secretarial Studies		7	3
<b>Total</b>	<b>14</b>	<b>24</b>	<b>4</b>

**Table G1.17: Marobela Brigades Centre**

Programme Name	2020	2021	2022
Auto Mechanics Trade Test C		32	26
Cabinet Making Trade Test C	1		
Carpentry & Joinery Trade Test C			10
Carpentry & Joinery Trade Test B	4	14	
<b>Total</b>	<b>5</b>	<b>46</b>	<b>36</b>

**Table G1.18: Mosetse Brigades Centre**

Programme Name	2020	2021	2022
Auto Mechanics Trade Test C	12	12	47
Auto Mechanics Trade Test B			17
<b>Total</b>	<b>12</b>	<b>12</b>	<b>64</b>

**Table G1.19: Moshupa Brigades Centre**

Programme Name	2020	2021	2022
Bricklaying & Plastering Trade Test C		23	20
Bricklaying & Plastering Trade Test B	21	17	17
Dressmaking Trade Test B		26	26
Certificate in Computer Studies			17
<b>Total</b>	<b>21</b>	<b>66</b>	<b>80</b>

**Table G1.20: Matsheng Brigades Centre**

Programme Name	2020	2021	2022
Auto Mechanics Trade Test C	x	46	
Bricklaying and Plastering Trade Test C	x	5	
<b>Total</b>	<b>x</b>	<b>51</b>	

Table G1.21: Ngethu Brigades Centre

Programme Name	2020	2021	2022
Welding & Fabrication Trade Test C		18	
Welding & Fabrication Trade Test B	19	19	
Certificate in Accounting and Business Studies II	20	20	13
Certificate in Computer Studies			15
<b>Total</b>	<b>39</b>	<b>57</b>	<b>28</b>

Table G1.22: Nswazwi Brigades Centre

Programme Name	2020	2021	2022
Architectural Draughting - NCC	10		11
Bricklaying & Plastering Trade Test C			8
Bricklaying & Plastering Trade Test B			8
Carpentry & Joinery Trade Test C		7	6
Carpentry & Joinery Trade Test B			6
Painting & Decorating Trade Test C		15	
Painting & Decorating Trade Test B			13
<b>Total</b>	<b>10</b>	<b>22</b>	<b>52</b>

Table G1.23: Okavango Brigades Centre

Programme Name	2020	2021	2022
Auto Mechanics Trade Test C		23	10
Auto Mechanics Trade Test B		7	20
Bricklaying & Plastering Trade Test C		26	6
Carpentry & Joinery Trade Test C		17	7
<b>Total</b>		<b>73</b>	<b>43</b>

Table G1.24: Serowe Brigades Centre

Programme Name	2020	2021	2022
Auto Mechanics Trade Test C	15	20	11
Auto Mechanics NCC			12
Bricklaying & Plastering Trade Test C		8	11
Bricklaying & Plastering Trade Test B			10
Carpentry & Joinery Trade Test C		14	8
Carpentry & Joinery Trade Test B			10
Forestry Trade Test C		10	13
Livestock Farming Trade Test C		11	12
Livestock Farming Trade Test B			19
Machine Fitting Trade Test C		11	15
Machine Fitting Trade Test B			14
Welding & Fabrication Trade C	19	18	12
Welding & Fabrication Trade B			22
Welding & Fabrication Trade NCC			22
<b>Total</b>	<b>34</b>	<b>92</b>	<b>191</b>



**Table G1.25: Shashe Brigades Centre**

Programme Name	2020	2021	2022
Bricklaying & Plastering Trade Test C		16	12
Bricklaying & Plastering Trade Test B	15		17
Carpentry & Joinery Trade Test C		21	11
Carpentry & Joinery Trade Test B	6		23
Welding & Fabrication Trade Test C		30	
Welding & Fabrication Trade Test B	22		40
<b>Total</b>	<b>43</b>	<b>67</b>	<b>103</b>

**Table G1.26: Shoshong Brigades Centre**

Programme Name	2020	2021	2022
Bricklaying & Plastering Trade Test C		2	17
Crop Faming Trade Test C	25		19
Crop Faming Trade Test B			7
<b>Total</b>	<b>25</b>	<b>2</b>	<b>43</b>

**Table G1.27: Tlokweng Brigades Centre**

Programme Name	2020	2021	2022
Carpentry & Joinery Trade C		14	9
Carpentry & Joinery Trade B	12		4
Dressmaking Trade Test C		46	5
Dressmaking Trade Test B	15		32
National Certificate in Computer Studies		7	
<b>Total</b>	<b>27</b>	<b>67</b>	<b>50</b>

**Table G1.28: Tshwaragano Brigades Centre**

Programme Name	2020	2021	2022
Crop Farming Trade Test C		8	16
Crop Farming Trade Test B	9		6
Dressmaking Trade Test C		30	
Dressmaking Trade Test B			21
National Certificate in Secretarial Studies	7		4
Certificate in Accounting and Business Studies			4
<b>Total</b>	<b>16</b>	<b>38</b>	<b>51</b>

**Table G1.29: Tswapong-Bokone Brigades Centre**

Programme Name	2020	2021	2022
Bricklaying & Plastering Trade Test C	11	2	
Bricklaying & Plastering Trade Test B		12	
Carpentry & Joinery Trade Test C		21	
Carpentry & Joinery Trade Test B	11	10	15
Certificate in Computer Studies	6	6	13
National Certificate in Secretarial Studies	3		
<b>Total</b>	<b>31</b>	<b>52</b>	<b>28</b>

**Table G1.30: Tswelopele Brigades Centre**

Programme Name	2020	2021	2022
Architectural Draughting NCC	10		19
Auto Mechanics Trade Test C		40	4
Auto Mechanics Trade Test B	12		29
Auto Mechanics, National Craft Certificate	20		17
Bricklaying & Plastering Trade Test C		5	11
Bricklaying & Plastering Trade Test B			8
Bricklaying & Plastering National Craft Certificate	29		32
Carpentry & Joinery Trade Test C		11	15
Carpentry & Joinery Trade Test B			8
Carpentry & Joinery, National Craft Certificate	31		14
<b>Total</b>	<b>102</b>	<b>56</b>	<b>147</b>

**Table G1.31: Tutume Brigades Centre**

Programme Name	2020	2021	2022
Auto Mechanics Trade Test C		11	15
Auto Mechanics Trade Test B	17	12	13
Bricklaying & Plastering Trade Test C		9	38
Bricklaying and Plastering Trade Test B	6		15
Carpentry & Joinery Trade Test C			53
Certificate in Accounting and Business Studies	3		
<b>Total</b>	<b>26</b>	<b>32</b>	<b>134</b>

**Table G1.32: Zwenshambe Brigades Centre**

Programme Name	2020	2021	2022
Auto Mechanics Trade Test C			8
Auto Mechanics Trade Test B	8	12	12
Bricklaying & Plastering Trade Test C	14		3
Bricklaying & Plastering Trade Test B			15
Carpentry & Joinery Trade Test C	17		6
Carpentry & Joinery Trade Test B			8
Certificate in Accounting and Business Studies			5
National Certificate in Secretarial Studies			15
<b>Total</b>	<b>39</b>	<b>12</b>	<b>73</b>

## ANNEXURE 5: GRADUATES BY PROGRAMME TVET CENTRES (ISCED 4)

**Table G1.33: Jwaneng Technical College**

Programme Name	2020	2021	2022
Bricklaying & Plastering Trade Test C		6	
Bricklaying & Plastering NCC	3		47
Carpentry & Joinery Trade Test C		30	14
Carpentry & Joinery NCC			
Electrical Installation Trade Test C		35	
Electrical Installation NCC	29		24
Painting & Decoration Trade Test C		23	14
Certificate in Accounts & Business Studies	3		
<b>Total</b>	<b>35</b>	<b>94</b>	<b>99</b>

**Table G1.34: Palapye Technical College**

Programme Name	2020	2021	2022
Electrical Installation Trade Test C		33	6
Electrical Installation NCC	31		
Electrical Installation Trade Test B			10
Machine Fitting Trade Test C		20	
Machine Fitting NCC	17		
Painting & Decoration Trade Test C		22	23
Painting & Decoration Trade Test B	25		12
Plumbing & Pipe Fitting Trade Test C		10	
Plumbing & Pipe Fitting NCC	12		
Welding and Fabrications Trade Test C		8	11
Welding and Fabrications Trade Test B			15
Welding & Fabrications NCC	12		
<b>Total</b>	<b>95</b>	<b>93</b>	<b>77</b>

**Table G1.35: Maun Technical College**

Programme Name	2020	2021	2022
Auto Electrical Trade Test C	10	25	22
Auto Mechanics Trade Test C		11	13
Bricklaying & Plastering Trade Test C	2	6	
Carpentry & Joinery Trade Test C		22	25
Dressmaking Trade Test C		37	37
Electrical Installation Trade Test C		47	16
Electrical Installation NCC			19
Maintenance Fitting Trade Test C	5	22	13
Painting & Decoration Trade Test C		5	14
Panel Beating and Spray Painting Trade Test C		12	18
Plumbing & Pipe Fitting Trade Test C		27	24
Plumbing & Pipe Fitting NCC			11
Welding and Fabrication Trade Test C		21	14
Welding and Fabrication NCC			22
Certificate in Accounting & Business Studies			11
<b>Total</b>	<b>17</b>	<b>235</b>	<b>259</b>

**Table G1.36: Selebi-Phikwe Technical College**

Programme Name	2020	2021	2022
Auto Mechanics Trade Test B			14
Auto Mechanics NCC			14
Bricklaying & Plastering Trade Test C		9	4
Bricklaying & Plastering Trade Test B			9
Bricklaying & Plastering NCC			16
Dressmaking Trade Test C	18	6	
Dressmaking NCC		12	
Electrical Installation and Maintenance Trade Test C		30	
Electronics Trade Test C		29	
Furniture & Cabinet Making Trade Test C		18	
Furniture & Cabinet Making Trade Test B			12
Painting & Decorating Trade Test C			13
Painting & Decorating Trade Test B		2	6
Plumbing and Pipe fitting Trade Test C		13	
Plumbing and Pipe fitting Trade Test B			14
Welding Trade Test C		16	
National Certificate in Secretarial Studies		16	2
<b>Total</b>	<b>18</b>	<b>151</b>	<b>104</b>

## ANNEXURE 6: GRADUATES BY PROGRAMME - PRIVATE INSTITUTIONS

**Table G2.1: ABM University College**

Programme Name	2020	2021	2022
Certificate in Electrical & Electronic Engineering		14	15
Certificate in Entrepreneurship Development			4
Certificate in Human Resource Management		1	
Certificate in Marketing Management	1		
Certificate in Secretarial Studies	1	4	
Certificate in Tourism & Hospitality Management	1		26
Advanced Diploma in Business Management	3	1	
Advanced Diploma in Human Resource Development	3	2	
Advanced Diploma in Secretarial Studies	1	1	
Advanced Diploma in Tourism & Hospitality Management	1		4
Diploma in Electrical & Electronic Engineering		13	17
Diploma in Financial Management	5	3	4
Diploma in Marketing Management		1	1
Diploma in Secretarial Studies	40	35	17
Bachelor of Arts (Hons) Financial Management	23	28	16
Bachelor of Arts (Hons) Marketing Management		15	4
Bachelor of Arts (Hons) Tourism Management		34	23
<b>Total</b>	<b>79</b>	<b>152</b>	<b>131</b>

**Table G2.2: Arthur Portland College**

Programme Name	2020	2021	2022
Association of Certified Chartered Accountants	3	1	1
Chartered Institute of Management Accountants (CIMA)	2	1	1
<b>Total</b>	<b>5</b>	<b>2</b>	<b>2</b>

**Table G2.3: Assembly Bible College**

Programme Name	2020	2021	2022
Diploma in Biblical Theology & Ministry	13	6	26
Degree in Biblical Theology & Ministry	5	9	6
<b>Total</b>	<b>18</b>	<b>15</b>	<b>32</b>

**Table G2.4: Aviation Academy Flying Mission**

Programme Name	2020	2021	2022
Diploma in Aircraft Maintenance Engineering - Airframe & Power Plant	32	0	37
<b>Total</b>	<b>32</b>	<b>0</b>	<b>37</b>

Table G2.5: AWIL College

Programme Name	2020	2021	2022
Bachelor of Arts in Live Performance	8	6	9
Bachelor of Arts (Honours) in Motion Picture Medium	60	52	21
<b>Total</b>	<b>68</b>	<b>58</b>	<b>30</b>

Table G2.6: Ba Isago University

Programme Name	2020	2021	2022
Association of Chartered Certified Accountants	2	18	
Certificate in Business Management	23	39	37
Certificate in Court Administration	7	5	3
Certificate in Entrepreneurship		7	
Certificate in Law	4	21	3
Certificate in Real Estate	17	40	20
Certificate in Vocational Education & Training			5
Diploma in Accounting	2	3	
Diploma in Court Administration	5	5	1
Diploma in Insurance	1	1	1
Diploma in Law	1	1	2
Diploma in Marketing	4	4	
Diploma in Occupational Health and Safety Management	34	29	15
National Diploma in Real Estate	18	33	5
Diploma in Transport Management & Logistics	5	6	4
Bachelor of Arts in Law & Public Administration	11	14	36
Bachelor of Commerce in Accounting	36	45	6
Bachelor of Commerce in Banking & Finance	12	12	40
Bachelor of Commerce (Economics)		45	26
Bachelor of Commerce (Entrepreneurship)		31	22
Bachelor of Commerce Human Resource Management	3	5	
Bachelor of Commerce (Marketing management)		3	9
Bachelor of Commerce (Real Estate)	1	125	82
Bachelor of Commerce Risk Management	7	14	
Bachelor of Commerce in Risk Management & Insurance	25	25	3
Bachelor of Commerce Transport Management & Logistics	1	98	87
Bachelor of Education Early Childhood Management	1	53	47
Bachelor of Science Quantity Surveying	46	102	22
Master of Commerce in Strategic Marketing			3
Master of Educational Leadership and Management			5
<b>Total</b>	<b>266</b>	<b>794</b>	<b>484</b>



**Table G2.7: Boitekanelo Training College**

Programme Name	2020	2021	2022
Certificate in Dental Surgery Assisting		12	
Certificate in Emergency Medical Care	27	11	8
Certificate in Healthcare Assistance	22	40	124
Diploma in Emergency Medical Care (Emergency Care Technology)	23	17	36
Diploma in Health Care Management	4	1	
Diploma in Health Promotion & Education	2	1	
Diploma in Occupational Health & Safety	6	8	
Higher National Diploma in Pharmacy Technology	34	34	68
Higher National Diploma in Clinical Technology	15	18	24
Bachelor of Arts (Counselling)	41	40	36
Bachelor of Arts Health Care Service Management	38	114	64
Bachelor of Science Emergency Medical Care	5	14	35
Bachelor of Science Health Promotion & Education	39	107	40
Bachelor of Science Nutrition and Dietetics		10	24
Bachelor of Science Occupational Health & Safety	61	151	91
<b>Total</b>	<b>317</b>	<b>578</b>	<b>550</b>

**Table G2.8: Bosa Bosele Training Institute**

Programme Name	2020	2021	2022
Certificate in Early Childhood Education	30	85	13
Certificate in Insurance Proficiency	2	2	
Certificate in Social Work	2	11	6
Advanced Diploma in Early Childhood	37	2	
Diploma in Early Childhood Education			8
Diploma in Social Work	18	14	23
Bachelor's Degree in Early Childhood Education			30
Bachelor of Arts in Community Development			20
<b>Total</b>	<b>89</b>	<b>114</b>	<b>100</b>

**Table G2.9: Botswana Institute of Bankers**

Programme Name	2020	2021	2022
Certificate in Banking	50	45	48
Associate Diploma in Banking	32	14	7
<b>Total</b>	<b>82</b>	<b>59</b>	<b>55</b>

**Table G2.10: Botho University**

Programme Name	2020	2021	2022
AAT - Level 4 - Professional Diploma in Accounting		1	
Certificate Level 3 in Web Designing		2	
Bachelor of Education (Hons) Primary Education	1	4	1
Bachelor of Engineering in Computer Engineering	4	11	18
Bachelor of Engineering in Electrical Engineering	23	41	11
Bachelor of Science (Hons) Accounting	79	45	34
Bachelor of Science (Hons) Business Management	10	43	17
Bachelor of Science (Hons) Computing	34	39	41
Bachelor of Science (Hons) Finance	60	33	37
Bachelor of Science (Hons) Health Information Management	141	93	133
Bachelor of Science (Hons) Hospitality Management	50	23	32
Bachelor of Science (Hons) Jewellery Management & Design	48	5	10
Bachelor of Science (Hons) Mobile Computing	23	8	2
Bachelor of Science (Hons) in Multi Media Systems	15	11	5
Bachelor of Science Network Security Computer Forensics	60	10	33
Bachelor of Science in Sports Management		1	2
Post Graduate Diploma in Higher Education		28	70
Professional Development Programmes - Attendance		94	
Master of Business Administration	3	9	7
Master of Education in Higher Education	3		2
Master of Science Computer Systems Management	10	21	16
<b>Total</b>	<b>564</b>	<b>522</b>	<b>471</b>

**Table G2.11: DDT College of Medicine**

Programme Name	2020	2021	2022
Bachelor of Doctor Assistance	31	25	15
Bachelor of Medical Laboratory Science	62	33	51
Bachelor of Pharmacy	55	29	49
Bachelor of Physiotherapy	28	28	23
<b>Total</b>	<b>179</b>	<b>115</b>	<b>138</b>

**Table G2.12: Mega-Size College**

Programme Name	2020	2021	2022
Diploma in Fleet Management	18	8	6
Professional Diploma in Procurement & Supply	6		
Bachelor of Science in Procurement & Supply		8	12
<b>Total</b>	<b>24</b>	<b>16</b>	<b>18</b>

**Table G2.13: Gaborone Institute of Professional Studies**

Programme Name	2020	2021	2022
AAT Diploma in Accounting	1		1
Advanced Diploma in Automotive Electrical Engineering	13	13	9
Advanced Diploma in Computing NCC	1		
Advanced Diploma in Diesel Plant Engineering	23	35	31
Advanced Diploma Motor Vehicle Body Repair and Refinishing	5	3	
Bachelor of Accounting and Finance	11	4	6
Bachelor of Arts in Public Administration		4	2
Bachelor of Business Administration-Business Management	2	3	2
Bachelor of Business Administration-Marketing Management		1	
Bachelor of Business Administration -Strategic Management	26	20	17
Bachelor of Business Administration Travel & Tourism Management	1		
Bachelor of Commerce (Banking & Finance)	43	10	7
Bachelor of Commerce (Entrepreneurship)	7	2	
Bachelor of Commerce Logistics & Supply Chain Management	19	13	21
Bachelor of Commerce Purchasing & Supply Chain Management	26	15	17
Bachelor of Science Computer Science	1		
Bachelor of Science Forensic Accounting & Finance		4	8
Bachelor of Science Information Technology	1		
<b>Total</b>	<b>180</b>	<b>127</b>	<b>121</b>

**Table G2.14: Gaborone Universal College of Law**

Programme Name	2020	2021	2022
Chartered Institute of Procurement & Supply	3		
Diploma in Court Administration	4	1	
Diploma in Early Childhood Education	5	16	130
Diploma in Electronics			6
Diploma in Events Management	1		
Diploma in Law	21	158	179
Diploma in Motor Vehicle Engineering		17	18
Diploma in Occupational Health & Safety Management			75
Diploma in Occupational Health, Safety & Environmental law			73
Diploma in Public Health			31
Diploma in Purchasing & Supply Chain Management			13
Diploma in Transport Planning Management			6
Diploma in Water and Environmental Engineering	2		7
Advanced Diploma in Criminology	4		
Advanced Diploma in Occupational Health & Safety			5

**Table G2.14: Gaborone Universal College of Law continued...**

Programme Name	2020	2021	2022
Advanced Diploma in Occupational Health, Safety & Environmental Law			7
Advanced Diploma in Purchasing & Supply Chain Mgmt			11
Bachelor of Arts in Law and Public Administration			200
Bachelor of Arts in Public Health	98	116	82
Bachelor of Business Administration in Entrepreneurship	5		5
Bachelor of Business Administration in Occupational Health & Safety	92	81	368
Bachelor of Commerce in Accountancy			1
Bachelor of Commerce Purchasing & Supply Chain Mgmt	24	29	14
Bachelor of Commerce (Hons) Travel & Tourism	4	2	6
Bachelor of Education Early Childhood Education	37	62	69
Bachelor of Science Health Promotion & Disease Prevention			12
Bachelor of Technology in Construction Engineering	12	115	122
Master of Education Early Childhood			1
<b>Total</b>	<b>312</b>	<b>597</b>	<b>1,441</b>

**Table G2.15: Imperial School of Business and Science**

Programme Name	2020	2021	2022
Association of Accounting Technicians (AAT)	15	1	2
Association of Certified Chartered Accountants (ACCA)	4		
Bachelor of Business Administration (Business Management)			7
Bachelor of Business Administration (Entrepreneurship)	11	10	
Bachelor of Business Administration in Logistics and Transport Management			129
Bachelor of Business Administration (Travel Tourism & Hospitality)	25	10	13
Bachelor of Commerce in Finance and Banking	44	22	25
<b>Total</b>	<b>99</b>	<b>43</b>	<b>176</b>

**Table G2.16: Kgolagano College**

Programme Name	2020	2021	2022
Certificate of Competence in Preaching		7	7
Certificate in Human Development & Rehabilitation		1	1
Certificate in Theology	3	2	2
Diploma in Theology	14	4	4
Bachelor of Arts in Theology	4	14	14
Music Theory and Practical		1	1
<b>Total</b>	<b>21</b>	<b>29</b>	<b>29</b>

**Table G2.17: Limkokwing University of Creative Technology**

Programme Name	2020	2021	2022
Certificate in Architectural Technology	1		
Certificate in Digital Video			1
Certificate in Fashion & Textile Design			1
Certificate in Graphic Design			1
Certificate in Hospitality Management	9		
Diploma in Architectural Technology	3	3	
Diploma in Digital Video	1		
Diploma in Events Management	2		
Diploma in Fashion & Textile Design			1
Diploma in Merchandising and Retailing	1		1
Diploma in Music Design	3		
Diploma in Product Design	3		
Diploma in Tourism Management	4		1
Associate Degree in Advertising	3		
Associate Degree in Architectural Technology	42	58	24
Associate Degree in Broadcasting (Television & Radio)	1	1	2
Associate Degree in Business Information Systems	5	5	
Associate Degree in Business Management	7	3	3
Associate Degree in Creative Multimedia	3	2	
Associate Degree in Event Management		2	
Associate Degree in Fashion & Apparel Design	19	9	20
Associate Degree in Film & Television Production		1	
Associate Degree in Graphic Design	1	5	5
Associate Degree in Hotel Management	1		
Associate Degree in Information Technology		1	
Associate Degree in Interior Design	1	3	6
Associate Degree in Journalism & Media	3	5	2
Associate Degree in Marketing	1		
Associate Degree in Public Relations	3		
Associate Degree in Retail Management	1		1
Associate Degree in Sound Technology	6	21	7
Associate Degree in Textile Design	2	74	108
Associate Degree in Web design	2	1	
Bachelor of Arts (Hons) Broadcasting & Journalism	94	139	107
Bachelor of Arts (Hons) Creative Multimedia	34	27	25
Bachelor of Arts (Hons) Interior Architecture	50	34	7
Bachelor of Arts (Hons) Digital Film & TV Production	32	123	57
Bachelor of Arts (Hons) Events Management	36	37	25
Bachelor of Arts (Hons) Industrial Design	19	107	37

**Table G2.17: Limkokwing University of Creative Technology continued...**

Programme Name	2020	2021	2022
Bachelor of Business in Entrepreneurship	38	16	18
Bachelor of Business Hospitality Management	1		23
Bachelor of Business (Hons) International Business	65	63	45
Bachelor of Business (Hons) Finance and Banking			18
Bachelor of Business (Hons) Tourism Management	66	73	28
Bachelor of Design (Hons) Professional Design	38	229	156
Bachelor of Science (Hons) Electronic Commerce	1	1	
Bachelor of Science (Hons) Information Technology		11	10
Bachelor of Science Software Engineering Multimedia	5	36	6
Master of Communication	1		
<b>Total</b>	<b>680</b>	<b>1,091</b>	<b>746</b>

**Table G2.18: Management College of Southern Africa**

Programme Name	2020	2021	2022
Bachelor of Business Administration			5
Bachelor of Commerce Human Resource Management	2	1	
Bachelor of Commerce in Marketing		1	
Bachelor of Commerce in Supply Chain Management	7	8	3
Master of Business Administration	5		
<b>Total</b>	<b>9</b>	<b>10</b>	<b>8</b>

**Table G2.19: New Era College of Art, Science and Technology**

Programme Name	2020	2021	2022
Certificate in Construction		19	
Diploma in Accommodation, Operations & Services	9	4	
Diploma in Electrical and Electronics Engineering		1	1
Advanced Diploma in Construction	10		3
Diploma in Construction Industry		8	15
Advanced Diploma in Electrical & Electronics Engineering			3
Advanced Diploma in Telecommunication Systems		14	
Advanced Diploma in Construction Industry			
Bachelor of Engineering Telecommunication Systems	24	31	77
Bachelor of Engineering Electrical & Electronic Engineering	15	41	75
<b>Total</b>	<b>68</b>	<b>118</b>	<b>174</b>



## ANNEXURE 7: GRADUATES BY PROGRAMME-PUBLIC INSTITUTIONS

*Table G3.1: Botswana Accountancy College*

Programme Name	2020	2021	2022
Association of Accounting Technicians (AAT)	44	47	41
Association of Certified Chartered Accountants (ACCA)		2	
Associate Diploma Chartered Institute of Procurement & Supply			21
Certificate in Public Sector Procurement & Tender Management	48		
Chartered Institute of Management Accountants		8	
Chartered Institute of Procurement	1		
Certificate in Strategic Management			5
Bachelor of Arts (Hons) Accounting & Finance	82	85	59
Bachelor of Arts (Hons) Business Management	43	75	115
Bachelor of Arts Entrepreneurship & Business Leadership	40	54	83
Bachelor of Arts (Hons) International Finance & Banking	67	75	61
Bachelor of Arts International Hospitality Management	30	27	21
Bachelor of Arts International Tourism Management	81	64	83
Bachelor of Arts (Hons) in Mobile Technologies	11		
Bachelor of Insurance			14
Bachelor of Science (Hons) Applied Business Computing	34	28	17
Bachelor of Science Business Intelligence & Data Analytics	6	23	24
Bachelor of Science (Hons) Computer Systems Engineering	72	53	69
BSc (Hons) Information and Communication Technology		11	12
Bachelor of Science (Hons) Network Systems Engineering		16	
Bachelor of Science (Hons) Mobile & Web Technologies	25	24	7
Master of Arts Procurement and Logistics Management	12	5	8
Master of Business Administration	15		21
Master of Business Management (Executive)		14	
Master of Chartered Institute of Procurement and Supply			3
Master of Science Project Management	26	15	34
Master of Science Strategic Management	63	63	81
Post Graduate Certificate in Business Administration			1
Post Graduate Certificate in Finance for Non-Finance Managers	14		
Post Graduate Certificate in Infrastructure Management	11		
Post Graduate Certificate in Enterprise & Risk Management	17		
Post Graduate Certificate Project Management	2		3
Post Graduate Certificate in Procurement & Logistics Management	2		2
Post Graduate Certificate in Public Sector Project Management	16		
Post Graduate Certificate Strategic Management		6	
Post Graduate Diploma in Business Administration			3
Post Graduate Diploma in Taxation	17		
Post Graduate Diploma Strategic Management	2	3	3
Post Graduate Diploma in Project Management	1	2	
<b>Total</b>	<b>782</b>	<b>700</b>	<b>791</b>

**Table G3.2: Botswana College of Engineering and Technology**

Programme Name	2020	2021	2022
Diploma in Building & Civil Engineering	31	31	47
Diploma in Electrical & Electronic Engineering	47	40	40
Diploma in Geomatics	32	44	37
Diploma in Mechanical Engineering	61	61	54
Diploma in Water Environmental Engineering	32	47	44
<b>Total</b>	<b>203</b>	<b>223</b>	<b>222</b>

**Table G3.3: Botswana International University of Science & Technology**

Programme Name	2020	2021	2022
Bachelor of Engineering (Chemical Engineering)	15	9	15
Bachelor of Engineering (Civil & Environmental Engineering)	26	19	14
Bachelor of Engineering (Computer Engineering)		1	
Bachelor of Engineering (Computer & Telecommunication)	31	15	7
Bachelor of Engineering (Electrical & Electronic Engineering)	30	13	25
Bachelor of Engineering (Energy Engineering)	1	4	1
Bachelor of Engineering (Geological Engineering)	30	16	13
Bachelor of Engineering (Industrial & Manufacturing)	32	10	13
Bachelor of Engineering (Material & Metallurgical Engineering)	6	2	13
Bachelor of Engineering (Measurement & Instrumentation)	10	2	
Bachelor of Engineering (Mechanical & Energy Engineering)	35	13	13
Bachelor of Engineering (Mechatronics Engineering)	8	3	1
Bachelor of Engineering (Mechatronics & Industrial Instrumentation)	16	12	15
Bachelor of Engineering (Mining Engineering)	19	7	10
Bachelor of Engineering (Telecommunication)	1	2	
Bachelor of Science (Applied Mathematics and Statistics)	1		
Bachelor of Science (Applied Mathematics)			1
Bachelor of Science (Biological Sciences & Biotechnology)	10	13	24
Bachelor of Science (Computer Science & Software Engineering)	9	14	17
Bachelor of Science (Earth & Environmental Sciences)	9	3	9
Bachelor of Sciences (Environmental Sciences)	3	8	8
Bachelor of Science (Environmental & Analytical Chemistry)	6	2	
Bachelor of Sciences (Forensic Sciences)	8	13	13
Bachelor of Sciences (Geology)	16	7	20
Bachelor of Science (Information Systems & Data Mgnt)	5	4	4
Bachelor of Science (Material and NANO Chemistry)	1	2	
Bachelor of Science (Physics)	4	10	10
Bachelor of Science (Pure & Applied Chemistry)	6	9	17
Bachelor of Science (Pure & Applied Mathematics)	7	2	9
Bachelor of Science (Statistics)	4	4	6
Master of Engineering (Chemical Engineering)		1	2
Master of Engineering (Civil & Environmental Engineering)			2

*Botswana International University of Science & Technology Conti...*

Programme Name	2020	2021	2022
Master of Engineering (Computer & Telecommunication)	5	5	1
Master of Engineering (Electrical & Electronics Engineering)			1
Master of Engineering (Geological Engineering)	1	1	
Master of Engineering (Industrial & Manufacturing Eng)	1	1	1
Master of Engineering (Materials & Metallurgical Eng)	1	1	
Master of Engineering (Mechatronics & Industrial Instrumentation)	1	1	1
Master of Engineering (Mining Engineering)	2	3	2
Master of Science (Pure & Applied Mathematics)	4	4	
Master of Science (Biological Sciences & Biotechnology)	4	9	7
Master of Science (Chemistry)	4	5	10
Master of Science (Computer Science)	5	7	2
Master of Science (Environmental Sciences)	3	4	4
Master of Science (Forensic Sciences)		1	1
Master of Science (Geological Sciences)	2	4	4
Master of Science (Information Systems & Data Management)	1	1	5
Master of Science (Mathematics)		1	8
Master of Science (Physics)	2	5	3
Master of Science (Statistics)	4	7	5
Doctor of Philosophy (Biology)	1	1	
Doctor of Philosophy (Biological Sciences & Biotechnology)		2	
Doctor of Philosophy (Chemical Engineering)		1	2
Doctor of Philosophy (Chemistry)			2
Doctor of Philosophy (Computer Science)			1
Doctor of Philosophy (Information Systems)			1
Doctor of Philosophy (Industrial & Manufacturing Engineering)		1	
Doctor of Philosophy (Mathematics)	3	4	1
Doctor of Philosophy (Mechanical & Energy Engineering)			1
Doctor of Philosophy (Pure & Applied Mathematics)			
Doctor of Philosophy (Physics)		1	1
Doctor of Philosophy (Statistics)			2
<b>Total</b>	<b>393</b>	<b>295</b>	<b>348</b>

**Table G3.4: Botswana Open University**

Programme Name	2020	2021	2022
Certificate Community Based Work with Children and Youth	60	31	
Certificate in Disaster Management	25	8	
Certificate for Distance Education Practitioners	21	47	10
Certificate in Microsoft Office 2022			3
Certificate in Small Scale Business Management	65	52	3
Certificate in Vocational Education and Training	3	51	3
Foundation Certificate in Microsoft Office Suite	5		
Diploma in Business Management	132	183	86
Diploma in Early Childhood Development	785	1,564	568
Diploma in Human Resource Management	246	295	202
Bachelor of Business Administration (Leadership & Change Management)	87	157	16
Bachelor of Business Entrepreneurship	34	9	7
Bachelor of Commerce (HRM & Industrial Relations)	55	82	13
Bachelor of Education Early Childhood Development	28	67	
Bachelor of Education - Primary	21	59	
Bachelor of Education (Special & Inclusive Education)	33	86	
Commonwealth Executive Master of Business Administration (CEMBA)	20	54	21
Commonwealth Executive Master of Public Administration (CEMPA)	10	24	4
Master of Education - Educational Leadership & Management	23	56	
Post Graduate Certificate in Quality Assurance in Education	37	49	
<b>Total</b>	<b>1,690</b>	<b>2,908</b>	<b>936</b>

**Table G3.5: Botswana University of Agriculture and Natural Sciences**

Programme Name	2020	2021	2022
Diploma in Agriculture		2	
Diploma in Agricultural Extension	26	32	13
Higher Diploma in Animal Health & Production	14	17	12
Higher Diploma in Forestry & Range Ecology	4	1	1
Higher Diploma in Agriculture	3		
Bachelor of Science Food Science & Technology	24		30
Bachelor of Science Agricultural Economics	50	44	20
Bachelor of Science Agricultural Education	9	16	8
Bachelor of Science Agricultural Extension		1	1
Bachelor of Science Agricultural Mechanization	11	21	12
Bachelor of Science Agriculture	11	12	5
Bachelor of Science Animal Science	31	57	37
Bachelor of Science Crop Science	9	16	7
Bachelor of Science in Food Science & Technology		47	
Bachelor of Science in Range Science	12	13	9
Bachelor of Science Soil & Water Conservation Engineering	43	42	28
Master of Science in Agricultural Engineering (Land use Planning)		1	1
Master of Science in Agricultural Engineering (Mechanization)		1	
Master of Science in Agricultural Engineering (Soil & Water Engineering)	1	1	
Master of Science in Animal Science (Animal Breeding & Reproduction)	3	1	
Master of Science in Animal Science (Animal Nutrition)	1	2	
Master of Science in Animal Science (Animal Management System)		1	
Master of Science in Crop Science (Agronomy)	1		2
Master of Science in Crop Science (Crop Protection)	1	1	2
Master of Science in Crop Science (Horticulture)	1	1	2
Doctor of Philosophy in Animal Science (Animal Health)	1		
Doctor of Philosophy in Crop Science (Agronomy)	2		
<b>Total</b>	<b>258</b>	<b>330</b>	<b>190</b>

**Table G3.6: Botswana Wildlife Training Institute**

Programme Name	2020	2021	2022
Certificate in Wildlife Management	51	X	X
Induction and Basic Training	24	X	X
<b>Total</b>	<b>75</b>	<b>X</b>	<b>X</b>

## Colleges of Education

**Table G3.7: Molepolole College of Education**

Programme Name	2020	2021	2022
Diploma in Secondary Education	109	60	73
<b>Total</b>	<b>109</b>	<b>60</b>	<b>73</b>

**Table G3.8: Serowe College of Education**

Programme Name	2020	2021	2022
Diploma in Early Childhood Care	17	49	19
Diploma in Primary Education	89	189	156
<b>Total</b>	<b>106</b>	<b>238</b>	<b>175</b>

**Table G3.9: Tlokweng College of Education**

Programme Name	2020	2021	2022
Diploma in Primary Education	103	77	85
<b>Total</b>	<b>103</b>	<b>77</b>	<b>85</b>

**Table G3.10: Tonota College of Education**

Programme Name	2020	2021	2022
Diploma in Secondary Education	63	152	115
<b>Total</b>	<b>63</b>	<b>152</b>	<b>115</b>

**Table G3.11: Defence Command Staff College**

Programme Name	2020	2021	2022
Senior Command Staff Programme	57	0	
<b>Total</b>	<b>57</b>	<b>0</b>	<b>0</b>

**Table G3.12: Francistown College of Technical and Vocational College**

Programme Name	2020	2021	2022
BTEP Certificate in Clothing, Design & Textiles	36	17	31
BTEP Certificate in Hospitality perations	36	17	20
BTEP Certificate in Travel & Tourism	18	20	
Certificate in Applied Laboratory Sciences	30	36	29
Certificate in Beauty Therapy	14		
Certificate in Hairdressing	26	16	26
Certificate in Sports, Recreation & Leisure	30		55
Diploma in Accounting and Business Studies		34	37
Diploma in Culinary Arts		5	14
Diploma in Hospitality Management		6	5
Diploma in Systems Administration	11		
Diploma in Travel & Tourism Management	19	18	18
National Diploma in Secretarial Studies	20	20	34
National Diploma in Business Administration	11		
National Craft Certificate in Carpentry and Joinery		17	
National Craft Certificate in Instrumentation Mechanician	4		
National Craft Certificate in Plumbing and Pipefitting	8		
National Craft Certificate in Refrigeration and Air-cooling	6		
Post Graduate Diploma in Technical & Vocational Education	44	42	25
<b>Total</b>	<b>277</b>	<b>231</b>	<b>294</b>



**Table G3.13: Gaborone Technical College**

Programme Name	2020	2021	2022
Access in Hospitality Operations		12	
Access to Retail Business	14	12	12
BTEP Certificate in Beauty Therapy		15	17
BTEP Certificate in Hairdressing			21
BTEP Diploma in System Administration	7	17	
Certificate in Clothing Design & Textiles		16	4
Certificate in Hospitality Operations	14		17
Certificate in Travel and Tourism	14		13
Clothing Design and Textile	14		
Diploma in Culinary Arts		15	19
Diploma in Electrical & Electronic Engineering (Level 4)	20	26	
Diploma in Hospitality Management		16	24
Diploma in Secretarial Studies	27	17	
Diploma in Travel Management		17	45
Higher National Diploma in Secretarial Studies	11	6	53
National Diploma in Accounting and Business Studies	7	8	35
<b>Total</b>	<b>128</b>	<b>177</b>	<b>260</b>

**Table G3.14: Institute of Development Management**

Programme Name	2020	2021	2022
Association of Accounting Technicians (AAT)	4	12	
Certificate in Archives & Records Management	41	48	5
Certificate in Human Resource Management	7	2	
Certificate in Public Administration	19		
Diploma in Archives & Records Management	38	84	28
Diploma in Business	55	22	
Diploma in Computing	28	18	
Diploma in Educational Management & Leadership	26	10	
Diploma in Human Resource Management	37	23	6
Diploma in Information Technology	4		
Diploma in Public Health	6	7	
Diploma in Project Management	21	25	1
Advanced Diploma in Procurement and Supply		12	
Bachelor of Arts in Accounting	20	77	
Bachelor of Arts in Archives & Records management	67	142	34
Bachelor of Arts in Community Development		40	44
Bachelor of Arts Early Childhood Studies	44	70	42
Bachelor of Business Travel & Tourism Management		32	
Bachelor of Education Management	17	31	
Bachelor of Human Resource Management	26	18	2
Bachelor of Office Management		20	
Bachelor of Project Management		43	38
Bachelor of Public Finance & Accountancy	44	65	39
Bachelor of Public Health Management	143	182	149
Bachelor of Science (Hons) Business Administration	4		
BSC (Hons) Business Computing & Information Systems	4	12	
Bachelor of Science Logistics & Supply Chain Management	10	8	
Bachelor of Science Networking & Software Engineering		22	7
Bachelor of Science Project Management	11		
Postgraduate Certificate in Project Management			2
Postgraduate Certificate in Supply Chain Management			3
Postgraduate Diploma in Monitoring & Evaluation	24	43	28
Postgraduate Diploma in Project Management	3		3
Postgraduate Diploma in Supply Chain Management			2
Professional Diploma in Procurement & Supply	2	10	
Master of Science Project Management	19	26	18
Master of Science Logistics & Supply Chain Management	11	10	12
<b>Total</b>	<b>735</b>	<b>1,037</b>	<b>463</b>

## Institute of Health Sciences

**Table G3.15: Bamalete Lutheran School of Nursing**

Programme Name	2020	2021	2022
Post Basic Diploma in Midwifery	1	39	
<b>Total</b>	<b>1</b>	<b>39</b>	<b>0</b>

**Table G3.16: Institute of Health Sciences-Francistown**

Programme Name	2020	2021	2022
Higher Diploma in General Nursing	44	70	45
Post Basic Diploma in Midwifery		35	
<b>Total</b>	<b>44</b>	<b>105</b>	<b>45</b>

**Table G3.17: Institute of Health Sciences-Gaborone**

Programme Name	2020	2021	2022
Higher Diploma in Dental Therapy	9		
Higher Diploma in General Nursing	45	31	47
Higher Diploma in Medical Laboratory Technology	4	13	13
Higher Diploma in Pharmacy Technology	26	16	2
Post Basic Diploma in Midwifery	42		34
Post Basic Diploma Family Nurse Practitioner	1		
<b>Total</b>	<b>127</b>	<b>60</b>	<b>96</b>

**Table G3.18: Institute of Health Sciences-Kanye Seventh Day School of Nursing**

Programme Name	2020	2021	2022
Higher Diploma in General Nursing	57	38	
Post Basic Diploma Family Nurse Practitioner		22	
<b>Total</b>	<b>57</b>	<b>60</b>	

**Table G3.19: Institute of Health Sciences-Lobatse**

Programme Name	2020	2021	2022
Advanced Diploma in Psychiatric Mental Health		34	
Higher Diploma in Environmental Health	14	16	15
Higher Diploma in General Nursing	27	32	31
<b>Total</b>	<b>41</b>	<b>82</b>	<b>46</b>

**Table G3.20: Institute of Health Sciences-Molepolole**

Programme Name	2020	2021	2022
Higher Diploma in General Nursing	57	39	42
<b>Total</b>	<b>57</b>	<b>39</b>	<b>42</b>

**Table G3.21: Institute of Health Sciences-Serowe**

Programme Name	2020	2021	2022
Higher Diploma in Health Nursing		33	13
Higher Diploma in General Nursing	54	88	85
<b>Total</b>	<b>54</b>	<b>121</b>	<b>98</b>

**Table G3.22: Oodi College of Arts and Technology**

Programme Name	2020	2021	2022
Certificate in Applied Laboratory Science	14	8	10
Certificate in Furniture Design & Manufacture		16	14
Certificate in Jewellery Design & Manufacture	16	13	12
Certificate in Sports Recreation & Leisure		27	25
Advanced Certificate in Multimedia	13		
Diploma in Multimedia	3		
Diploma in Network Technician	14		
<b>Total</b>	<b>60</b>	<b>64</b>	<b>61</b>

**Table G3.23: Roads Training Centre**

Programme Name	2020	2021	2022
Diploma in Highway Engineering Technician	27	27	X
<b>Total</b>	<b>27</b>	<b>27</b>	<b>X</b>

**Table G3.24: University of Botswana**

Programme Name	2020	2021	2022
Diploma in Accounting & Business Studies	110	125	163
Diploma in Adult Education	2		2
Diploma in Archives & Records Management	8	11	5
Diploma in Defence and Strategic Studies	14	27	
Diploma in Library & Information Studies	3	8	2
Diploma in NGO Management	2		
Diploma in Lifelong Learning & Community Development			1
Diploma in Population Studies	7	2	2
Diploma in Social Work	4	14	18
Diploma in Statistics	9	7	3
Bachelor of Accountancy	87	79	94
Bachelor of Architecture	16	19	10
Bachelor of Arts (Chinese Studies)	4	11	9
Bachelor of Arts (Criminal Justice)	25	25	29
Bachelor of Arts (Economics)	22	19	22
Bachelor of Arts (English)		1	
Bachelor of Arts (Environmental Science)	2	5	7
Bachelor of Arts (Humanities)	36	33	33
Bachelor of Arts (Library & Information Studies)	12	6	14
Bachelor of Arts (Media Studies)	37	9	7
Bachelor of Arts (Pastoral Studies)		1	1
Bachelor of Arts (Political Science)		1	
Bachelor of Arts (Public Administration)	1		1
Bachelor of Arts (Social Sciences)	226	215	239
Bachelor of Arts (Sociology)	1		
Bachelor of Arts (Theology & Religious Studies)	1		
Bachelor of Business Administration (Entrepreneurship & Enterprise Development)	40	20	33
Bachelor of Business Administration (International Business)	26	28	17
Bachelor of Business Administration (Logistics & Supply Management)	44	55	57
Bachelor of Business Administration (Management)	50	80	58
Bachelor of Business Administration (Marketing)	25	39	40
Bachelor of Business Administration (Tourism & Hospitality Management)	29	31	26
Bachelor of Design (Design & Technology)	3	8	9
Bachelor of Design (Industrial Design)	3	5	5
Bachelor of Education (Adult)	25	11	8
Bachelor of Education (Business)	14	12	6
Bachelor of Education (Counselling)	53	58	32
Bachelor of Education (Early Childhood)	5	28	23
Bachelor of Education (Family & Consumer Sciences)	41	14	13
Bachelor of Education (Leadership Management)	26	15	
Bachelor of Education (Physical Education)		34	18
Bachelor of Education (Primary Education)	1	7	5

### University of Botswana Continued...

Programme Name	2020	2021	2022
Bachelor of Education (Science)	72	98	77
Bachelor of Education (Secondary, Humanities)		2	
Bachelor of Education (Secondary) Science	3	1	2
Bachelor of Education (Special)	27	20	38
Bachelor of Engineering (Civil Engineering)	49	46	27
Bachelor of Engineering (Electrical & Electronic Engineering)	39	32	8
Bachelor of Engineering (Electronic Engineering)			5
Bachelor of Engineering (Industrial Engineering)	15	25	7
Bachelor of Engineering (Mechanical Engineering)	31	40	17
Bachelor of Engineering (Mineral Engineering)	8	13	5
Bachelor of Engineering (Mining Engineering)	17	6	9
Bachelor of Finance	66	50	79
Bachelor of Fine Arts (Theatre Arts)	10	6	1
Bachelor of Geomatics	15	17	15
Bachelor of Industrial Design			12
Bachelor of Information & Knowledge Management (Archives & Records Management)	10	31	17
Bachelor of Information & Knowledge Management (Knowledge Management)	1	7	17
Bachelor of Information & Knowledge Management (Library & Information Studies)	10	7	3
Bachelor of Information Systems (Business Information Systems)	14	11	5
Bachelor of Information Systems (Computer Information Systems)	8	3	6
Bachelor of Information Systems (Information Management)	11	15	14
Bachelor in Land Management	4	1	
Bachelor of Laws	58	93	81
Bachelor of Library & Information Studies	22	14	1
Bachelor of Lifelong Learning and Community Development			1
Bachelor of Media Studies	53	6	67
Bachelor of Medicine/Surgery	51	47	53
Bachelor of Nursing Science	64	65	76
Bachelor of Pharmacy			23
Bachelor of Psychology	7	9	13
Bachelor of Real Estate		9	22
Bachelor of Science (Applied Geophysics)	2	7	9
Bachelor of Science (Biological Sciences)	24	33	22
Bachelor of Science (Chemistry)	21	23	15
Bachelor of Science (Computer Science)	22	18	17
Bachelor of Science (Computing with Finance)	28	33	27
Bachelor of Science (Cytotechnology & Histotechnology)	8	11	7
Bachelor of Science (Environmental Health)	15	30	25
Bachelor of Science (Environmental Science)	6	9	



*University of Botswana Continued...*

Programme Name	2020	2021	2022
Bachelor of Science (General)	68	58	57
Bachelor of Science (Geology)	9	9	6
Bachelor of Science (Information Technology)	7	10	14
Bachelor of Science (Mathematics)	5	2	1
Bachelor of Science (Mathematics of Finance)		5	6
Bachelor of Science (Medical Laboratory Sciences)	25	31	37
Bachelor of Science (Physics)	18	13	13
Bachelor of Science (Physics with Meteorology)	5	6	14
Bachelor of Science (Radiation & Health Physics)	7	15	11
Bachelor of Science Real Estate)	17	12	4
Bachelor of Science (Statistics)		3	7
Bachelor of Science (Urban & Regional Planning)	19	21	18
Bachelor of Social Work	53	100	71
Bachelor of Urban & Regional Planning (MA Professional)			12
Master of Archives & Records Management	11	10	5
Master of Arts (African Languages & Literature)			3
Master of Arts (Development Studies)	3	3	5
Master of Arts (Economics)	9	20	23
Master of Arts (English)	2	1	
Master of Arts (French Studies)			1
Master of Arts (History)	1		
Master of Arts (Politics & International Relations)	14	14	11
Master of Arts (Population Studies)	2	5	1
Master of Arts (Statistics)	3	1	3
Master of Arts (Theological Studies)	1	2	1
Master of Arts (Professional) in Urban & Regional Planning	3	2	
Master of Business Administration	14	18	9
Master of Defence & Strategic Studies	16	14	18
Master of Development Practice	1	4	1
Master of Education (Adult Education)	4	1	1
Master of Education (Counselling & Human Services)	23	22	13
Master of Education (Curriculum & Instruction)	6	1	1
Master of Education (Early Childhood Management)	2		1
Master of Education (Educational Leadership & Management)	2	3	5
Master of Education (Educational Technology)			1
Master of Education (Environmental Education)		1	
Master of Education (Gender Education)	2	1	2
Master of Education (Language Education)		2	
Master of Education (Mathematics Education)	6	5	2
Master of Education (Physical Education)	2	2	
Master of Education (Primary Education)		1	

### University of Botswana Continued...

Programme Name	2020	2021	2022
Master of Education (Religious Education)	1		1
Master of Education (Research & Evaluation)	2	8	4
Master of Education (Science Education)		1	
Master of Education (Social Studies)	2		1
Master of Executive Entrepreneurship	8	5	20
Master of Laws	7	11	4
Master of Library & Information Studies	4	2	3
Master of Medicine (Anatomic Pathology)		1	
Master of Medicine (Emergency Medicine)	1	2	
Master of Medicine (Family Medicine)	5	3	9
Master of Medicine (Internal Medicine)	3	4	3
Master of Medicine (Paediatrics & Adolescent Health)			7
Master of Medicine (Public Health)			1
Master of Nursing Science (Community Health Nursing)			3
Master of Nursing Science (Family Nurse Practitioner)	1	6	1
Master of Nursing Science (General)	1		
Master of Nursing Science (Parent and Child Nursing)	1	3	3
Master of Nursing Science (Psychiatric Mental Health)	3	1	
Master of Project Management	7	4	4
Master of Public Administration (Environmental Resource Management)			3
Master of Public Administration (Human Resource Management)	17	18	17
Master of Public Administration (Local Government Management)	1		1
Master of Public Administration (Public Policy & Administration)	3	3	4
Master of Public Administration (Public Financial Management)	1	2	3
Master of Research and Public Policy	7	10	8
Master of Science (Applied Microbiology)	2	2	
Master of Science (Chemistry)	7	3	6
Master of Science (Civil Engineering)	1	3	5
Master of Science (Computer Information Systems)		6	1
Master of Science (Computer Science)		3	1
Master of Science (Electrical and Electronic Engineering)		3	2
Master of Science (Environmental Science)	11	11	3
Master of Science (Hydrogeology)		2	3
Master of Science (Mathematics)	4	1	5
Master of Science (Mechanical Engineering)	3		
Master of Science (Physics)	1	2	1
Master of Social Work	2	1	
Master of Social Work (Clinical Social Work)		1	4
Master of Social Work (Youth and Community Practice)			2
Master of Social Work (Social Policy and Administration)		1	

*University of Botswana Continued...*

Programme Name	2020	2021	2022
Master of Philosophy (Biological Sciences)	2	1	1
Master of Philosophy (Engineering)		1	
Master of Philosophy (Medical Sciences)	1		1
Master of Philosophy (Natural Resource Management)		2	2
Doctor of Philosophy (Adult Education)		2	
Doctor of Philosophy (Biological Sciences)	3	1	1
Doctor of Philosophy (Built Environment)	1		
Doctor of Philosophy (Business)	1	2	
Doctor of Philosophy (Chemistry)			1
Doctor of Philosophy (Counselling & Human Services)	1		
Doctor of Philosophy (Curriculum and Instruction)	1	1	
Doctor of Philosophy (Economics)	2		
Doctor of Philosophy (Educational Management)		1	3
Doctor of Philosophy (Engineering)	4	2	1
Doctor of Philosophy (English)			1
Doctor of Philosophy (Environmental Science)	2	2	2
Doctor of Philosophy (Geography Education)			1
Doctor of Philosophy (Food and Nutrition)	1		
Doctor of Philosophy (Library and Information Studies)	2	1	
Doctor of Philosophy (Mathematics)	2		4
Doctor of Philosophy (Mathematics Education)			1
Doctor of Philosophy (Medical Sciences)	1	2	
Doctor of Philosophy (Natural Resource Management)	1		
Doctor of Philosophy (Political Science)		1	
Doctor of Philosophy (Public Administration)	1	1	1
Doctor of Philosophy (Education, Research & Evaluation)			
Doctor of Philosophy (Social Work)	2		
Doctor of Philosophy (Social Studies Education)			1
Doctor of Philosophy (Sociology)		1	1
Doctor of Philosophy (Special Education)			1
Doctor of Philosophy (Statistics)	2		1
Doctor of Philosophy (Theology & Religious Studies)	1	2	
<b>Total</b>	<b>2,444</b>	<b>2,529</b>	<b>2,444</b>

## ANNEXURE 8: LIST OF TERTIARY EDUCATION INSTITUTIONS-HIGHER EDUCATION

CATEGORIES	PRIVATE INSTITUTIONS
Private Universities	1. Ba Isago University
	2. Botho University
	3. Limkokwing University of Creative Technology
Private Institutions	4. ABM University College
	5. AFDA Botswana
	6. Assembly Bible College
	7. Arthur Portland College
	8. Boitekanelo College
	9. Bosa Bosele Training Institute
	10. Botswana Institute of Bankers
	11. DDT Medical School
	12. Flying Mission
	13. Gaborone Institute of Professional Studies
	14. Gaborone Universal College of Law
	15. Imperial School of Business
	16. Kgolagano College of Theological Education
	17. Logan Business College
	18. MANCOSA
	19. Mega Size College
	20. New Era College of Arts & Technology
PUBLIC INSTITUTIONS	
Public Universities	1. Botswana International University of Science and Technology
	2. Botswana Open University
	3. Botswana University of Agriculture and Natural Science
	4. University of Botswana
Colleges of Education	5. Molepolole College of Education
	6. Serowe College of Education
	7. Tlokweng College of Education
	8. Tonota College of Education
Institute of Health Sciences	9. Institute of Health Sciences (IHS) - Lobatse
	10. Institute of Health Sciences (IHS) - Gaborone
	11. Institute of Health Sciences (IHS) - Molepolole
	12. Institute of Health Sciences (IHS) - Francistown
	13. Institute of Health Sciences (IHS) - Serowe
	14. Bamalete Lutheran School of Nursing
	15. Kanye SDA School of Nursing
Technical Colleges	16. Gaborone Technical College
	17. Botswana College of Engineering & Technology
	18. Francistown College of Technical & Vocational Education
	19. Oodi College of Applied Arts & Sciences
Regular Public Institutions	20. Institute of Development Management
	21. Defence Command & Staff College
	22. Botswana Accountancy College
	23. Botswana Wildlife Training Institute

## ANNEXURE 9: TERTIARY INSTITUTIONS – TECHNICAL AND VOCATIONAL EDUCATION & TRAINING

CATEGORIES	PRIVATE INSTITUTIONS
TVET Centres	1. Jwaneng Technical College
	2. Maun Technical College
	3. Palapye Technical College
	4. Selibe-Phikwe Technical College
Brigade Centres	5. Barolong Vocational Training Centre
	6. Bobonong Brigades Centre
	7. Boteti Brigades Centre
	8. Chobe Brigades Centre
	9. Ghanzi Brigades Centre
	10. Gweta Brigades Centre
	11. Kang Brigades Centre
	12. Kanye Brigades Centre
	13. Kgatleng Development Centre
	14. Kweneng Bophirima Development Trust
	15. Kweneng Rural Development Association
	16. Lobatse Brigades Centre
	17. Madiba Brigades Centre
	18. Mahalapye Development Trust
	19. Marapong Development Trust
	20. Marobela Brigades Centre
	21. Matsheng Brigades Centre
	22. Mosetse Brigades Centre
	23. Moshupa Development Trust
	24. Ngethu Brigades Centre
	25. Nswazwi Brigades Centre
	26. Okavango Brigades Centre
	27. Serowe Brigades Centre
	28. Shashe Brigades Centre
	29. Shoshong Brigades Centre
	30. Tlokweng Brigades Centre
	31. Kgalagadi South Brigades Centre
	32. Tswapong Bokone Brigades Centre
	33. Tshwaragano Brigades Centre
	34. Tswelopele Brigades Centre
	35. Tutume Brigades Centre
	36. Zwenshambe Brigades Centre

## ANNEXURE 10: ISCED 13

<http://uis.unesco.org/sites/default/files/documents/international-standard-classification-of-education-fields-of-education-and-training-2013-detailed-field-descriptions-2015-en.pdf>

## ANNEXURE 11: BOTSWANA NCQF – TVET AND HIGHER EDUCATION SUB-SYSTEMS

Level	TVET	Higher Education	Minimum Number of Credits
10		Doctoral Degree	360
9		Master's Degree	240
8		Ordinary Bachelor's Degree Honours	120
		Professional Bachelor's Degree Honours	600
		Post-Graduate Diploma	120
		Post-Graduate Certificate	60
7		Bachelor's Degree	360 480
6	Diploma (BTEP Diploma)	Diploma	240 360
5	Certificate V (NCC, BTEP Advanced Certificate)		120
4	Certificate IV (Trade Test B, BTEP Certificate)		60
3	Certificate III (Trade Test C, BTEP Foundational Certificate)		40
2	Certificate II		40
1	Certificate I		40

Source: Botswana Qualifications Authority, NCQF Architecture

Note: Levels 1 and 2 on the TVET Band comprise basic and elementary skills and competencies. No qualifications at these levels have been registered so far. See also BQA, NSQF Regulations of 2016 (Statutory Instrument No. 133 of 2016).

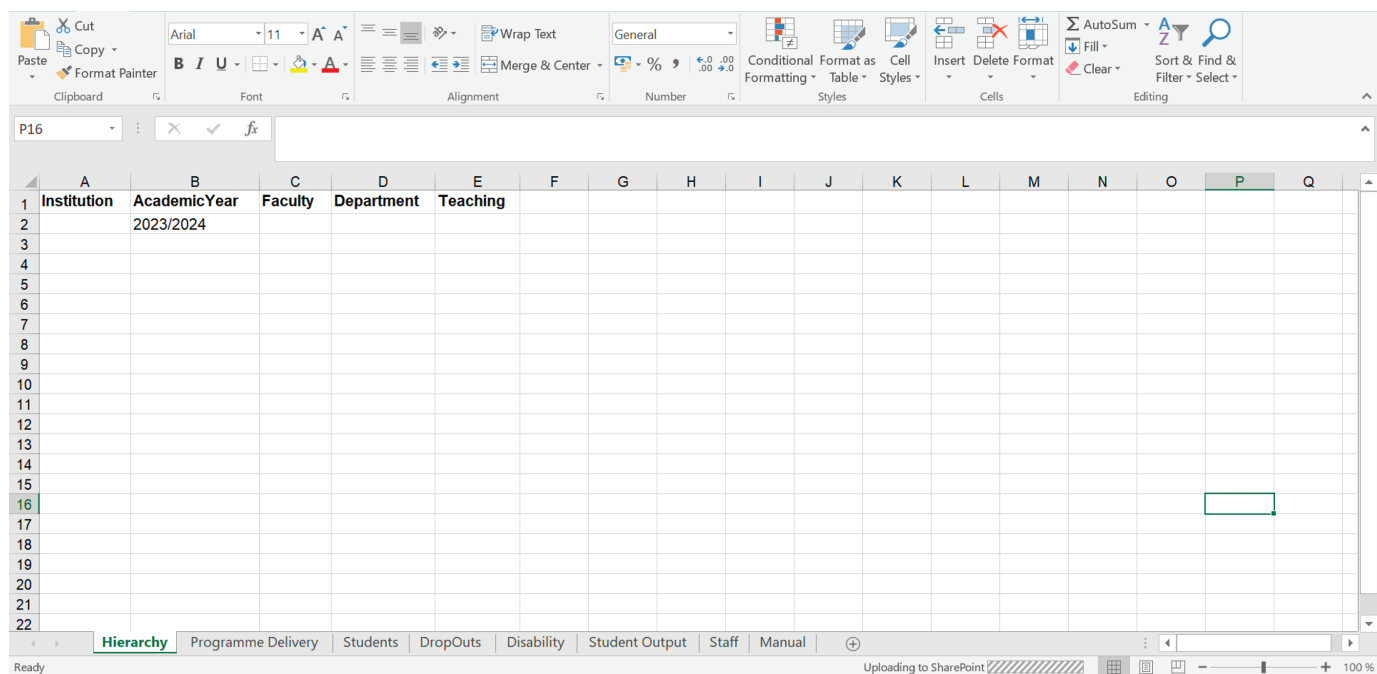


## ANNEXURE 12: TECHNICAL DESCRIPTION OF INDICATORS

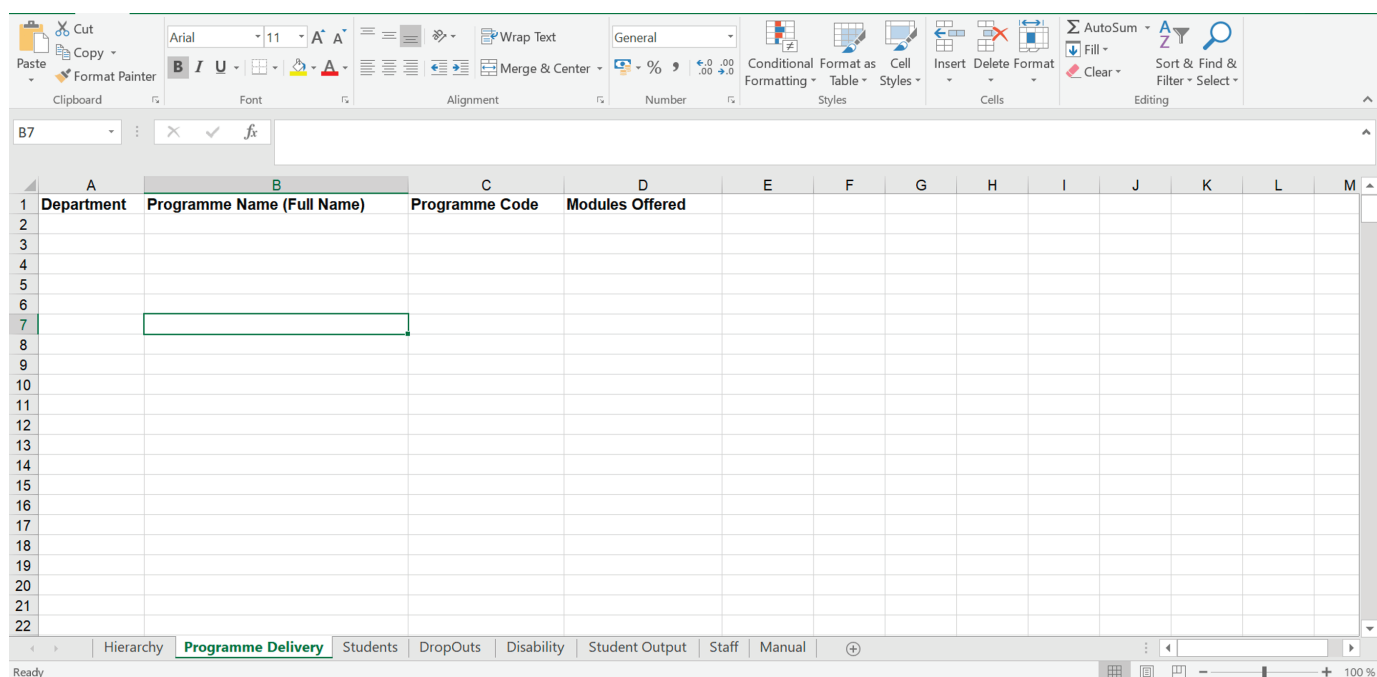
Indicator	Definition	Purpose	Data Requirement
<b>Net Intake Rate</b>	New entrants in the first year of tertiary education who are of the official tertiary education-entrance age (18 years), expressed as a percentage of the population of the same age (18 years).	To precisely measure access to first year of tertiary education by the eligible population of tertiary education level entrance age (18 years).	<ul style="list-style-type: none"> <li>New entrants in the first year of tertiary education aged 18 years.</li> <li>Population of the official tertiary education level entrance age i.e. 18 years.</li> </ul>
<b>Transition Rate</b>	The number of upper secondary school students admitted to the first year of tertiary education level in a given year t, expressed as a percentage of the number of students enrolled in the final grade of upper secondary education level in the previous year t-1.	To convey information on the degree of access or transition from one cycle or level of education to a higher one in this case from upper secondary to tertiary education.	<ul style="list-style-type: none"> <li>Enrolment/BGCSE candidates in the final grade of upper secondary education level for school year t.</li> <li>New entrants to the first year of tertiary level of education for year t+1.</li> </ul>
<b>Gross Enrolment Ratio</b>	Total enrolment in a specific level of education, in this case tertiary education, regardless of age, expressed as a percentage of the eligible official school-age population (18-24 years) corresponding to the same level of education in a given school year.	To show the general level of participation in a given level of education, in this case tertiary education. It indicates the capacity of the education system to enrol students of a particular age group (in this case 18-24 years).	<ul style="list-style-type: none"> <li>Total enrolment in tertiary education.</li> <li>Population aged 18 -24 years.</li> </ul>
<b>Participation rate in technical-vocational programmes (15-24 years).</b>	The percentage of young people aged 15-24 years participating in technical or vocational education either in formal or non-formal (e.g. work-based or other settings) education, on a given date or during a specified period	To show the level of participation of youth in technical and vocational education and training.	<ul style="list-style-type: none"> <li>Total enrolment for the age group 15-24 years</li> <li>Population aged 15 -24 years.</li> </ul>
<b>Percentage Distribution of Students in Tertiary Education by ISCED Level</b>	Enrolment in tertiary education at each ISCED level as a percentage of total enrolment in tertiary education.	To show the distribution of tertiary students by ISCED levels. It also helps to understand the way in which degrees and qualification structures for tertiary education are organised within countries.	<ul style="list-style-type: none"> <li>Enrolment in tertiary education by ISCED level.</li> </ul>

<b>Percentage of female teachers</b>	The number of female teachers at a given level of education expressed as a percentage of the total number of teachers (male and female) at the same level in a given school year.	To show the gender composition of the teaching force. It helps also in assessing the need for opportunities and/or incentives to encourage both women and men to participate in teaching activities at a given level of education.	<ul style="list-style-type: none"> <li>Number of teachers by gender.</li> </ul>
<b>Graduation Rate</b>	Total number of graduates for a particular cohort, regardless of age, expressed as a percentage of student enrolled in the final year of that cohort.	To indicate the general level of graduation in tertiary education. It also indicates the capacity of the tertiary education system to produce graduates for the enrolled students. The indicator is also a proxy for internal efficiency of tertiary educational systems.	<ul style="list-style-type: none"> <li>Total Number of graduates</li> <li>Total enrolment for the cohort from which the graduates were produced</li> </ul>
<b>Percentage Distribution of Graduates By ISCED Fields of Education at the Tertiary Level</b>	The number of graduates from each ISCED field of education in tertiary education, expressed as a percentage of the total number of graduates in tertiary education.	To show the distribution of tertiary graduates over different fields of education. It also reflects the development of tertiary education in terms of the range of fields offered as well as the supply of qualified human resources in different specialisations.	<ul style="list-style-type: none"> <li>Graduates in tertiary education by field of education</li> </ul>
<b>Inbound Mobility Rate</b>	Number of international students studying in a given country, expressed as a percentage of total tertiary enrolment in the country of study.	To measure the mobility of students across countries for academic reasons.	<ul style="list-style-type: none"> <li>International student enrolled in the local institutions.</li> <li>Total enrolment in local institutions.</li> </ul>

## ANNEXURE 13: DATA COLLECTION TOOL



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Institution	AcademicYear	Faculty	Department	Teaching												
2		2023/2024															
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	



	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Department	Programme Name (Full Name)	Programme Code	Modules Offered									
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	National ID/ Passport	Surname	FirstNames	Gender	DoB (dd/mm/yyyy)	Nationality	Programme Name(Full name)	Study_Type	1st Enrolment Date (dd/mm/yyyy)	Level/ Year of study	Name of Sponsor	Enrolment_ Year	Boarding
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	National ID/ Passport	Surname	FirstNames	Programme Name (Full name)	Level/ Year of study	Reasons for Dropout							
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
32													
33													

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	National ID/ Passport	Surname	FirstNames	Programme Name (Full name)	Level/ Year of study	Disability (Description)							
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													

	A	B	C	D	E	F	G	H	I	J	K	L	
1	Surname	FirstNames	National ID/ Passport	Gender	Programme Name (Full name)	Output Code/Result							
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													

Cut

Copy

Format Painter

Paste

Arial

9

A

1

Wrap Text

General

Conditional Formatting

Format as Table

Cell Styles

Insert

Delete

Format

AutoSum

Fill

Clear

Sort & Find & Filter > Select >

Clipboard

Font

Alignment

Number

Styles

Cells

Editing

K2

	A	B	C	D	E	F	G	H	I	J	K
1	Surname	FirstName	Gender	National ID/Passport	Nationality	Date_of_Birth	Marital Status	Department	Qualification	Staff_Type	Contract_Type
2											
3											
4											
5											
6											
7											
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18											
19											
20											
21											
22											

Hierarchy

Programme Delivery

Students

DropOuts

Disability

Student Output

Staff

Manual



[illegible]

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**HUMAN  
RESOURCE  
DEVELOPMENT  
COUNCIL**  
*of* BOTSWANA



**STATISTICS BOTSWANA**