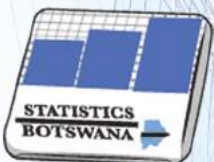




TERTIARY EDUCATION AT A GLANCE 2015

**PUBLISHED BY
HUMAN RESOURCE DEVELOPMENT COUNCIL
OCTOBER 2015**



STATISTICS BOTSWANA

HRDC
HUMAN RESOURCE DEVELOPMENT COUNCIL

Tertiary Education At a glance 2015

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ACKNOWLEDGEMENT

The Human Resource Development Council would like to express its appreciation to all Tertiary Education providers and its valued stakeholders for the support and collaboration in providing the required data and information to make it possible to produce this publication.

FOREWORD



Tertiary education statistics contained in this report is collected and compiled by the Human Resource Development Council (HRDC) on an annual basis to monitor performance of the sector as well as benchmark performance across the region and globally. This publication seeks to leverage improvement of access, quality, efficiency and effectiveness of tertiary education system in Botswana and hence enlighten the Tertiary Education Policy (TEP) debate and decisions in our growing economy and beyond. Furthermore, it provides HRDC with the opportunity to continue to dialogue with varied stakeholders

on issues pertaining to human resource development as envisaged in the National Human Resource Development Strategy (NHRDS) - 2009 and the Education and Training Sector Strategy Plan (ETSSP) - 2015.

The report contains information that gives the reader some insights on the landscape of the tertiary education sector in Botswana. It report covers the period 2014/15 academic year and it is compared with the past four years. Information contained in this report is meant to inform and guide both internal and external stakeholders on issues that shall enable them to make sound policy and evidence based decision making in their ventures. The report contains student enrolment and demographics and current trends in tertiary education that can be used by the Government and tertiary education providers to make projections about future needs of the sector.

The reader should take note that the Council is mandated to collect and compile this information for a sound purpose. Furthermore, performance indicators contained in this report are produced to provide policy advice, report on development and monitoring of sector and national plans. This publication further explores issues of coverage, access, participation, equity, sponsorship and educational attainment, output and employment as well as implications of enrolment pattern. The Report furthermore gives the reader some insight on the standard concepts and definitions of general indicators and a list of registered public and private tertiary education institutions (TEI's) and their programmes of study. We have adopted the International Standard Classification of Education (ISCED 2011) to enable us to benchmark with the rest of the countries in the region and internationally.

Some highlights from the Report include the following facts that:

- A total of 38 TEIs produced data for this 2014/15 Report, where 23 were public while 15 were private
- A total of 60,583 students were enrolled during 2014/15; and
- Some 57.5 percent of TE students were females.
- A rapid increase of student enrolment that has been recorded over the previous five years (2009/10 -2013/14) continued at a slower pace in 2014/15.
- Female students dominated across all programmes except in science and science related programmes during the period 2009/10 -2014/5.
- An observed pattern of male dominance at technical colleges with a noticeable increase in female participation
- The University of Botswana continued to register the largest number of students during the period 2009/10 – 2014/15.
- A continued fluctuation in private sector enrolment was recorded in 2014/15

The Human Resource Development Council appreciate the efforts of all who provided basic institutional data produced in this publication. However, we wish urge all heads of TEIs to ensure that the officers responsible to provide institutional census data improve on timely submission of data to prevent delay in the production of the Report.

Finally, it is our sincere hope that this Report will provide the reader with statistical appreciation that will enable him or her to fully appreciate how the tertiary education sector is performing towards the realization of the **National Human Resource Development Strategy, the Education and Training Sector Strategy Plan, the Tertiary Education Policy goals and Vision 2016 pillars.**

Happy reading,



Patrick D. Molutsi, PhD

ACTING CHIEF EXECUTIVE OFFICER
HUMAN RESOURCE DEVELOPMENT COUNCIL

PREFACE



The Government of Botswana has through the approval of the Human Resource Development Council Act No 17 of 2013 established the Human Resources Development Council (HRDC) that became operational on 08 November 2013. The objectives of the HRDC are to: Provide for policy advice on all matters of National Human Resource Development; Co-ordinate and promote the implementation of the National Human Resource Development Strategy; Prepare the National Human Resource Development Plans; and to Plan and advice on Tertiary Education Financing and Work-place learning. For the Council to achieve these objectives, they require real-time data and information.

Since Statistics Botswana (SB) is mandated to publish official National Statistics in Botswana it agreed to collaborate with the HRDC in producing and publishing tertiary education statistics that are of international standards. The collaboration includes SB undertaking quality assurance of the instruments, methodologies and the final product. The Tertiary Education at a Glance Report that the HRDC produces complements the National Education Statistics report that is produced by Statistics Botswana.

To enable the HRDC assess effectiveness of the policies geared towards developing human resource in Botswana, there has to be sufficient up to-date data and information collected and analysed to meet international standards.

We gratefully appreciate the efforts of all tertiary education institutions in Botswana, both public and private who contributed immensely to the production of this report and encourage them to continue cooperating in providing data on time. I am therefore assuring the reader that data and information contained in this report is authentic and can be used and quoted with confidence.

A handwritten signature in blue ink, appearing to read 'Dabilani Buthali'.

Dabilani Buthali

Acting Statistician General
STATISTICS BOTSWANA
October 2015

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TERTIARY EDUCATION INSTITUTIONS

1. ABM University College (ABMUC),
2. Assembly Bible College (ABC),
3. Ba Isago University College (BIUC),
4. Bamalete Lutheran School of Nursing (BLSN),
5. Boitekanelo Training Institute (BTI),
6. Bosa Bosele Training Institute (BBTI),
7. Botho University (BU),
8. Botswana Accountancy College (BAC),
9. Botswana College of Agriculture (BCA),
10. Botswana College of Distance and Open Learning (BOCODOL),
11. Botswana College of Engineering and Technology (BCET),
12. Botswana International University of Science and Technology (BIUST)
13. Botswana Wildlife Training Institute (BWTI),
14. Francistown Institute of Health Science (IHSF),
15. Defence Command Staff College (DCSC),
16. Fly Mission School (FMS),
17. Francistown College of Education (FCE),
18. Francistown College of Technical and Vocational Education (FCTVE),
19. Gaborone Academy of Education (GAE),
20. Gaborone Institute of Health Sciences (IHSG),
21. Gaborone Institute of Professional Studies (GIPS),
22. Gaborone Technical College (GTC)
23. Gaborone Universal College of Law and Professional Studies (GUCLPS),
24. Imperial School of Business (ISB),
25. Institute Development Management (IDM)
26. Kanye Seventh Day Adventist School of Nursing (KSDASN),
27. Kgolagano College of Theological Education (KCTE),
28. Limkokwing University College of Creative Technology (LUCT),
29. Lobatse Institute of Health Sciences (IHSL),
30. Management College of Southern Africa (MANCOSA)
31. Molepolole College of Education (MCE),

32. Molepolole Institute of Health Sciences (IHSM),
33. New Era College of Arts & Technology (NECAST),
34. Serowe College of Education (SCE),
35. Serowe Institute of Health Sciences (IHSS)
36. Tlokweng College of Education (TKCE)
37. Tonota College of Education (TCE),
38. University of Botswana (UB).

LIST OF ACRONYMS

| | |
|-------|---|
| BQA | Botswana Qualifications Authority |
| CSO | Central Statistics Office |
| GTER | Gross Tertiary Enrolment Ratio |
| HIES | Household Income and Expenditure Survey |
| HRDAC | Human Resource Development Advisory Council |
| ISCED | International Standard Classification of Education |
| NDPs | National Development Plans |
| OECD | Organization for Economic Cooperation and Development |
| SSB&L | Social Science, Business and Law |
| TR | Transition rate |
| TENER | Tertiary Education Net Enrolment Ratio |
| TEMIS | Tertiary Education Management Information System |
| TE | Tertiary Education |
| T.E.C | Tertiary Education Council |
| TEIs | Tertiary Education Institutions |
| TEP | Tertiary Education Policy |
| UN | United Nations |

Summary: Tertiary Education and related Indicators



| | | |
|---------------------------------|----------|------------------|
| Total Population (2011): | National | 2,024,904 |
| | Female | 1,035,946 |
| | Male | 988,958 |
| | % Female | 51.16% |

| | | |
|--|--------------|--------------|
| Literacy rate 15 – 65 year olds (2014): | Cities/Towns | 95.9% |
| | Urban | 90.0% |
| | Rural | 75.6% |
| | National | 88.6% |

Tertiary Education Enrolment (2014/15): **60,583**

| | | |
|--|-------------|--------------|
| Tertiary Education Gross Enrolment Ratio (2014/15): | Certificate | 0.9% |
| | Diploma | 6.9% |
| | Bachelors | 11.7% |
| | All (18-23) | 24.8% |
| | All (18-24) | 21.3% |

| | | |
|--|--------------|---------------|
| Upper secondary to tertiary transition rates (2014/15): | National | 64.28% |
| | Public TEIs | 34.62% |
| | Private TEIs | 29.66% |

ESTABLISHMENT OF HUMAN RESOURCE DEVELOPMENT COUNCIL, OBJECTIVES AND FUNCTIONS

BACKGROUND

In August 2013 the Government of Botswana, through the approval of the Human Resource Development Council Act No. 17 of 2013, established the Human Resource Development Council (HRDC), which became operational on 8th November 2013, effectively replacing the Tertiary Education Council.

OBJECTIVES OF THE COUNCIL

The Human Resource Development Council (HRDC) Objectives are:

- a) To provide policy advice on all matters pertaining to national human resource development;
- b) To co-ordinate and promote the implementation of the national Human Resource Development Strategy
- c) To prepare national human resource development plans;
- d) To plan and advise on tertiary education financing and work-place learning

FUNCTIONS OF THE HRDC

Functions of HRDC among others include the following:

- a) Advise the Minister on all policy issues relevant to the implementation of the national human resource development strategy as developed by the Government from time to time;
- b) Formulate the national human resource development plan;
- c) Provide advice on management , planning and financing with specific reference to-
 - i. *Internship*
 - ii. *Apprenticeship*
 - iii. *Work-place learning, and*
 - iv. *Reimbursing employers who have incurred training costs for apprentices and trainees*
- d) Manage the following Funds established under Part VII of the HRDC Act;
 - i) *Human Resource Development Fund*
 - ii) *Tertiary Education Student Sponsorship Fund*
 - iii) *Public Tertiary Education Institutional Fund*
- e) Promote Work-Place Learning;
- f) Establish and manage a National Labour Market Information System and National Education And Skills Development data base;
- g) Promote the establishment, co-ordination and approval of institutional plans for public and private tertiary education institutions and post implementation monitoring and evaluation with specific reference to;
 - i. *Human resource development*

- ii. *Research and innovation, and*
- iii. *Institutional capacity building*
- h) Co-ordinate, promote and support tertiary education industry link research and innovation activities;
- i) Formulate Human Resource Development Plans for key sectors of the economy through linkages with employers in the public and private sectors;
- j) Develop strategies for student attachments and academically prescribed internships and promote methods of skills development; and
- k) Act as a supervisory agency and to co-ordinate the implementation of the National Human Resource Development Strategy and ensure a link between the different levels of education, training and skills development

The core business of the HRDC is therefore to plan and develop human resource in Botswana from early childhood education to lifelong education or from the cradle to the grave. Planning by its nature requires information about the historical and current state on the basis of which the future state can be set. It also requires both measurable and monitoring indicators. In order for the HRDC to discharge its mandate effectively, information on the tertiary education sector as part of the whole pipeline of education becomes very critical. It should be noted that the same information is also required by the financiers, employers, the institutions themselves, the learners and would-be learners and the general public for information and decision making purposes. The aim of the 2014/15 Tertiary Education at a Glance Report is among others to support the Council with data and information to enable it to measure progress towards attainment of its goals.

For reasons of comparison, the international community would normally value relevant, accurate and up-to date information on any sector of education that can be presented according to the international standard classification of education (ISCED).

OBJECTIVES OF TE AT A GLANCE

The objectives of the Tertiary Education at a Glance are to:

- a. Produce accurate, relevant and up-to-date statistics on the state of tertiary education in Botswana;
- b. Use the statistics to plan and monitor performance of both institutions and learners on various indicators;
- c. Use the information to guide strategic decisions on the sector;
- d. Use the statistics to assess efficiency and effectiveness in the use of resources by institutions
- e. Determine the quality improvement of programmes;
- f. Inform the employers and the public of the different programmes of study and enrolments in each by years of study;
- g. Use the statistics for further research, monitoring and evaluation of institutional mission, goals and continued relevance; and
- h. Produce data on key indicators for international comparability.

METHODOLOGY

This section provides the explanations of the various aspects of how the *Tertiary Education at a Glance 2014/15* was compiled. Although a lack of data especially in some tertiary education institutions still limits the scope for the development of performance indicators and compilation of statistics required for providing information in planning, development, and research in tertiary education in many countries in general including Botswana, the coverage of the Tertiary Education at a glance 2014/15 included the entire national tertiary education system for those public and private institutions that are registered with Botswana Qualifications Authority.

Administrative records from key stakeholders in the provision of education and related statistics such as Statistics Botswana (SB), Ministry of Education and Skills Development (MOESD), Ministry of Finance and Development Planning (MFDP), Ministry of Labour and Home Affairs (MLHA), Botswana Examination Council (BEC) as well as other relevant stakeholders were also sourced to provide required information. Information contained in this report was collected from **38** registered tertiary education institutions, both public and private. It therefore excludes a few small number of new tertiary education institutions, a small number of technical colleges, brigades or vocational schools that are not yet in the HRDC database but registered by the Botswana Qualifications Authority.

Data collection started in October 2014 and concluded at the end of January 2015. The instruments used to collect data were fourteen (14) internally designed excel based spreadsheets, administered in both private and public tertiary education institutions. Each of the TEIs populated these 14 Excel Templates and sent them back to HRDC. Data collected was primarily focused on the type of institution, student learner profiles, enrolment, programmes, graduates, teaching and non-teaching staff profiles, salaries, and institutional expenditure. The data provided the basis for calculating a mixture of policy lever, outcome and context indicators¹ that deal with issues of access to education, equity and participation that were identified as challenges to the sector by the Tertiary Education Policy (TEP) of 2008.

For international comparison data was also analysed using the International Standard Classification of Education. Gross Tertiary Enrolment ratio (GTER) from peer countries in the region namely South Africa, Mauritius and New Zealand as a middle income country, was sourced from the World Economic Forum Report to see how Botswana is performing.

¹ Indicators as listed in Appendix 4

EXECUTIVE SUMMARY

1. The report shows progressive growth in the tertiary education sector in Botswana. All indicators show positive growth from year to year.
2. The report shows observable growth in diversity and competition both within each of public and private tertiary institutions and between the two sub-systems. This development can only be good for the sector as they give rise to competition and removal of monopolistic dominance of the public education system characteristic of the previous decades. Competition is in turn desirable for both improvements in quality of offerings as well as responsiveness to the needs of the labour market.
3. The information on enrolments show a seriously skewed bias in enrolments towards sub-degree and first degree programmes and acute low enrolments at graduate level. Hence, the system for now remains an undergraduate systems. While this is understandable given the youthfulness of both the system of tertiary education in Botswana and the country's population, at the same time this spells serious challenges for the research development and innovation culture in the country.
4. Although gender parity is impressive overall, equity indicators on district, disability, socio-economic status, etc. are still generally poor across the sector.
5. The report shows a preponderance of small hence very expensive tertiary institutions due to low enrolments and high overhead costs. These types of small institutions are not sustainable in the long term.
6. The programme mix of the system especially when put against ISCED categories show an encouraging shift from a traditional social science-humanities, bias towards science and science-related and business fields of study. Going by labour market signals for skills requirements, this is a desirable bias.
7. Finally, HRDC is using these statistics to guide its interventions in the development of relevant skills for our nation.

Chapter

A

ACCESS TO TERTIARY EDUCATION, PARTICIPATION AND PROGRESSION



A1

WHO PARTICIPATES IN TERTIARY EDUCATION?

INDICATOR A1

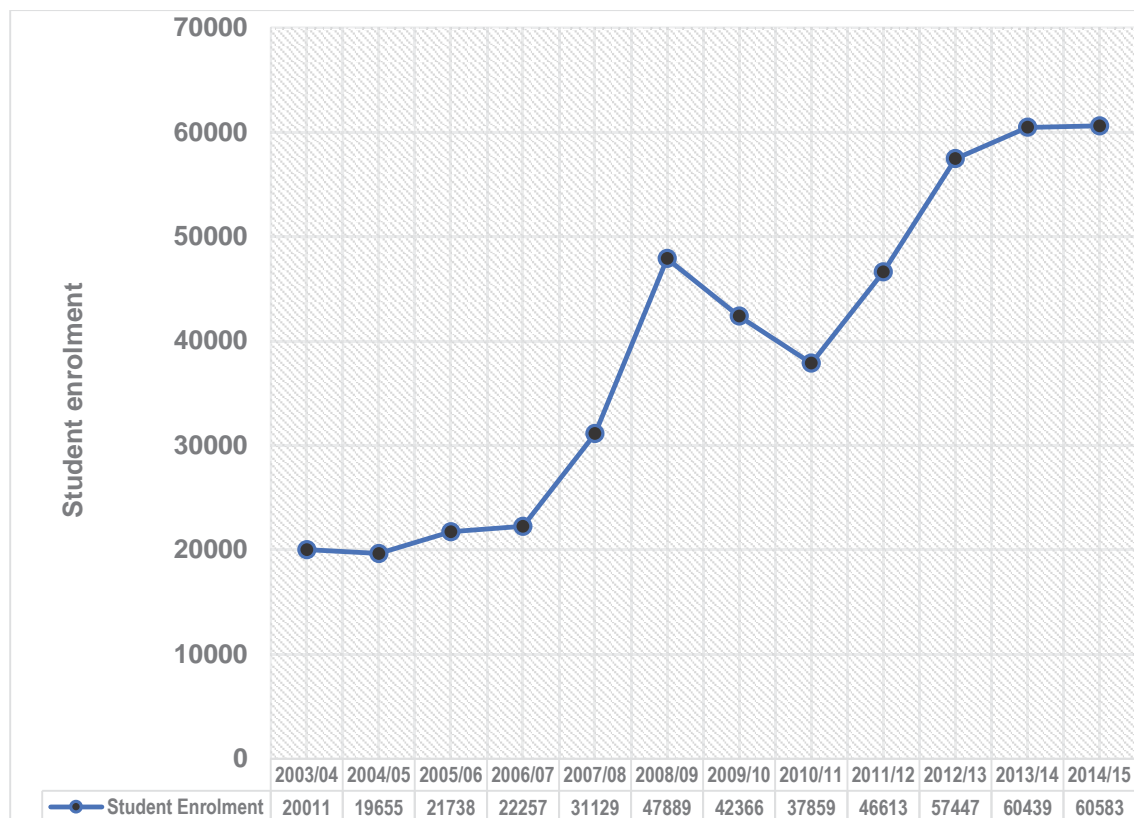
Over the past decade, Botswana has experienced a significant increases in the educational attainment of her population. The policy recommendation as stated in Government paper no 37 of 2008 'Towards a Knowledge Society', states to increase the tertiary education gross enrolment ratio from 11.4% in 2007/08 to 25% by 2026. This indicator examines participation in tertiary education (TE) in Botswana using information on enrolment trends from local tertiary education institutions (TEIs) registered with the department of higher education of the Botswana Qualifications Authority (B.Q.A). In essence, it shows comparative achievement of the TE sub-level by tertiary education providers – both private and public - in the country. This is because changes in enrolment levels are indicators of the comparative effectiveness of the local TE sub-system level in developing the skills needed for the local market and those of the global world.

Key results

Chart A1. 1

Enrolment trend (2003/04 – 2014/15)

This graph depicts the student enrolment trends in the local private and public tertiary education providers from 2003/04 academic year to 2014/15



Source: Tertiary Education Institutions

The enrolment trends as shown by chart A1.1 show that participation has been steadily rising since 2003/04 with a sharp decline over the two years coinciding with the economic depression of 2008/09. Low constant proportions were experienced in the first four years under review: 2003/04 – 2006/07. This was followed by a sharp curve between 2006/07 and 2008/09, then by a two-year slump between 2008/09 and 2010/11, and a clear recovery between 2010/11 and 2012/13 thereafter. A depressed trend experienced between 2003/04 and 2006/07 represents a disquieting epoch in the developmental phase of tertiary education in Botswana when coordination of the system was almost negligible mainly due to “*a lack of overall policy of the tertiary education sector*”. This development compromised the professional image of the tertiary education in the country in a multiplicity of ways. In particular, there was a proliferation of unregistered private TE providers whose contribution was not being captured and recognized accordingly, hence the low levels of learner enrolments recorded in the official documents and reports on the state of tertiary education in the country. During this period also, a high number of tertiary students were placed externally, which cost the Government of Botswana huge amount of financial resources.

After the advent of the new Tertiary Education Policy (TEP) which was passed by Parliament in April 2008, improvement and growth in participation rates became visible. The introduction of the new policy eased coordination and promotion of the TE sub-sector. Concurrently, the Government of Botswana made a deliberate move in 2007/08 to sponsor students in registered tertiary education institution in the Country and the result was a significant involvement of the Private Sector in the provision of tertiary education. Statutory and other instruments were designed especially in the area of registration of institutions and quality assurance of programmes offered. It was also deemed necessary to re-design data collection instruments to effectively aid data capture and compilation, produce sound analysis and results, and hence strengthen coordination and management of sector data which had started to show tremendous growth in the post TEP era.

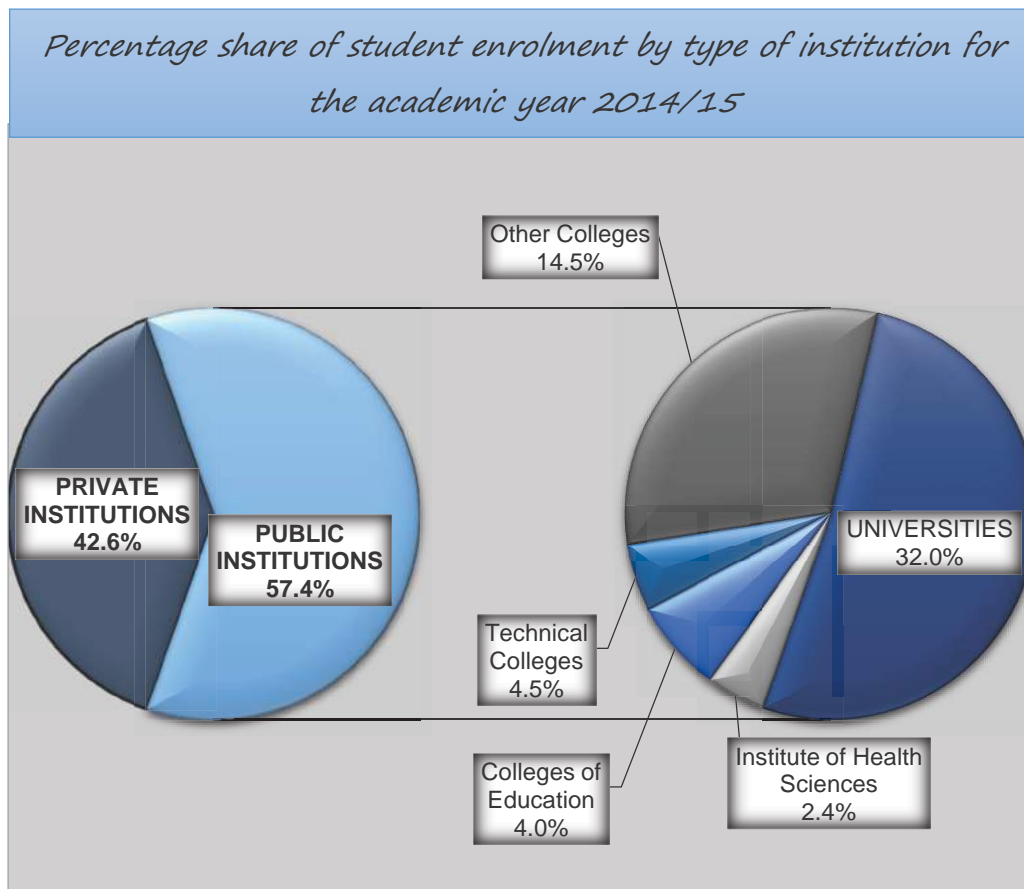
As may be shown in Chart A1.1 above, enrolment almost tripled, in the period following the introduction of the new TEP. By the end of financial year 2014/15, a total of 40 TEIs were registered of which 24 were public and 17 private institutions and have collectively registered 60 583 students. Learner enrolment increased from 8,784 to 21,759, representing an increase of 148 percent between the 2007/08 and 2008/09. A noticeable fluctuation in enrolment share is evident from the past five academic years and the high participation rate in tertiary education would imply that a highly educated labour force is being developed and maintained.

However, the emergence of global financial crisis towards the twilight of 2008 triggered a downfall in the overall performance of Botswana economy, in the process effectively impairing the Government’s ability to service major developmental issues such as the funding of tertiary education. As a results of the world’s economic meltdown of 2008, Botswana’s real GDP decreased by 3.7 percent, mainly due to the decline of 20.9 percent in real value added by Mining

between 2008 and 2009. The diamond mines were closed during the first quarter of 2009 due to economic downturn. (CSO, *National Accounts Quarter Report of Dec 2010*). In terms of student enrolment, this translated into a whopping decrease of 11.5 percent, from 47889 to 42366, in 2008/09 and 2009/10 respectively. The recent GDP boom has therefore translated in increasing the tertiary enrolment as illustrated in chart A1.1.

Chart A1. 2

Public & Private TEI's national enrolment share (2014/15)



Source: Tertiary Education Institutions

Chart A1.2 shows that during 2014/15, enrolment share for public institutions stood at 57.4%, only 14.8 percentage points higher than the private institutions' record of 42.6%. This represents an increase of approximately 4 percentage points for private providers with the same percentage decrease for the public TEIs. Almost all private institutions experienced upsurges in the number of students who enrolled with the Botswana tertiary education system between the two periods. Strategic prioritization by Government, with a deep focus on encouraging greater private participation has had the major impact in gradual high levels of student enrolment recorded at private institutions to date.

Other highlights of this indicator

Private Tertiary Education Institutions registered a slight decrease in learner enrolment in the last two academic years. In 2014/15, they enrolled 25825 learners compared to 26320 in 2013/14. This represented a marginal decline of 1.9 percent from the previous year in total learner enrolment reported to the HRDC by the TEIs (*Refer to Table A1.1*).

In terms of private TEI share of the 2014/15 total private institutions' enrolment, other Colleges had the largest share of 39.2 percent closely followed by University Colleges with 37.9 percent. Private universities constitute the smallest share of 22.9 percent. Comparatively, Colleges had a significant increase from the previous year, in the sense that their share increased by 23.0 percentage points, that is from 16.2 percent in 2013/14 to 39.2 percent the following academic year. In contrast, University Colleges share fell by 22.6 percentage points from 60.5 percent to 37.9 percent in the same period, while Universities' share declined slightly by 0.4 percentage points from 23.3 percent to 22.9.

Majority of the students at private TEIs enrolled for Bachelors Degree programmes (13135), followed by Diploma (9971), then Professional courses (1429), certificates (1067), post graduate diploma (117) and lastly Masters Degree (111). From all the private institutions neither PhD nor MPhil programmes were offered for the academic year 2014/15.

It is noteworthy that the share of enrolment by Government Technical Colleges is still low and is not rising in any significant way (see Table A1.1). This means that Technician level training in Botswana has a very low share of Tertiary enrolments. Given that a growing economy needs all kinds of technicians in the critical skill areas like Electrical/Electronics, Construction/Building, Computer engineering, Instrumentation and mechanical engineering this trend is worrying. The Technical Colleges seem to have good infrastructure that is comparable to others. So this trend shows us anecdotally that there may well be low utilization of existing resources in the Technical Colleges.

Furthermore the data from the Government technical colleges (Tables A1.14ii,v,viii,ix) show an inconsistent and erratic trend over the years with some courses done one year and then seemingly abandoned the next and enrolment figures for some courses that could even be unviable economically. It would appear that Technician level training across the colleges could benefit from a better coordination and policy guidance given that the demand for training places is very high nevertheless.

Table A1.12 shows student enrolment by ISCED classification desegregated to lower fields. What is noteworthy is that within the ISCED group “Science”, the Field of Education, “Computing”, accounts for nearly 80% of enrolments in that group for 2014/15. Physical Sciences and Mathematics have less than 500 students enrolled for the entire country in that year amounting to 4% of the group enrolment. Clearly the country is training very few natural scientists and mathematicians and it begs the question of how we can drive research, innovation in science and technology for the country with these kinds of enrolments. Of course it is often the case that the brightest students in maths and science from Secondary level often choose the professions like Medicine, Engineering and Financial disciplines, as their focus seems to be on what jobs pay better after college than on their career aspirations. However, without producing graduates in the pure sciences and mathematics in sufficient quantities a country can’t expect to at the same time realise an increase in research and innovation in science which underpins rapid and sustainable economic development. The tertiary sector can only work with the product it gets from the secondary school system and it seems there is a dire need to increase pass rates at BGCSE in Maths and Sciences to increase students’ confidence in choosing pure science and maths subjects at Tertiary level.

Table A1.1
Student Enrolment by Type of Institution and Gender - 2014/15

| Type of Institution | Female | Male | Total | % Female |
|---|---------------|---------------|---------------|-------------|
| Private Institution ² | 14,958 | 10,867 | 25,825 | 57.9 |
| College of Education ³ | 1,599 | 818 | 2,417 | 66.2 |
| Institute of Health Sciences ⁴ | 839 | 596 | 1,435 | 58.5 |
| Technical Colleges ⁵ | 1121 | 1598 | 2,719 | 41.2 |
| Other Colleges ⁶ | 5,493 | 3,319 | 8,812 | 62.3 |
| Public Universities ⁷ | 10,821 | 8554 | 19,375 | 55.9 |
| GRAND TOTAL | 34,831 | 25,752 | 60,583 | 57.5 |

Source: Tertiary Education Institutions.

² **Private Institutions include:** ABM University College (ABMUC), Assembly Bible College (ABC), Ba Isago University College (BIUC), Boitekanelo Training Institute (BTI), Bosa Bosele Training Institute (BBTI), Botho University (BU), Imperial School of Business, Flying Mission School (FMS), Gaborone Academy of Education (GAE), Gaborone Institute of Professional Studies (GIPS), Gaborone Universal College of Law (GUCL), Kgolagano College of Theological Education (KCTE), Limkokwing University College of Creative Technology (LUCT), and Management College of Southern Africa (MANCOSA) and New Era College of Arts & Technology.

³ **Colleges of Education include:** Francistown College of Education (FCE), Molepolole College of Education (MCE), Serowe College of Education (SCE), Tlokweng College of Education (TKCE) and Tonota College of Education (TCE).

⁴ **Institute of Health Science include:** Bamalete Lutheran School of Nursing (BLSN), Francistown Institute of Health Science (IHSF), Gaborone Institute of Health Sciences (IHSG), Lobatse Institute of Health Sciences (IHSL), Molepolole Institute of Health Sciences (IHSM), Serowe Institute of Health Sciences (IHSS) and Kanye Seventh Day Adventist School of Nursing (KSDASN).

⁵ **Technical Colleges include:** Francistown College of Technical and Vocational Education (FCTVE), Gaborone Technical College (GTC) and Botswana College of Engineering and Technology (BCET).

⁶ **Other Colleges include:** Botswana Accountancy College (BAC), Botswana College of Agriculture (BCA), Botswana College of Distance and Open Learning (BOCODOL), Botswana Wildlife Training Institute (BWTI), Institute Development Management (IDM) and Defence Command Staff College (DCSC).

⁷ **Public Universities include:** Botswana International University of Science and Technology (BIUST) and University of Botswana (UB).

Table A1.2
Student Enrolment by Type of Qualification and Gender - 2014/15

| Qualification Level | Female | Male | Total | % Female |
|--------------------------------|---------------|---------------|---------------|--------------|
| Certificate ⁸ | 1,016 | 1,422 | 2,438 | 41.67 |
| Diploma ⁹ | 11,809 | 7,839 | 19,648 | 60.10 |
| Bachelors Degree ¹⁰ | 18,898 | 14,308 | 33,206 | 56.91 |
| Masters Degree | 982 | 790 | 1,772 | 55.42 |
| Master of Philosophy (MPhil) | 55 | 59 | 114 | 48.25 |
| Post Graduate Diploma (PGD) | 283 | 179 | 462 | 61.26 |
| Doctor of Philosophy (PhD) | 27 | 67 | 94 | 28.72 |
| Professional Courses | 1,761 | 1,088 | 2,849 | 61.81 |
| GRAND TOTAL | 34,831 | 25,752 | 60,583 | 57.49 |

Source: Tertiary Education Institutions.

⁸ Advanced Certificate is classified as Certificate.

⁹ Associate Degree and Advanced Diploma have been classified as Diploma programmes.

¹⁰ Honours Degree is classified under Bachelors Degree.

Table A1.3**Student Enrolment by INTERNATIONAL STANDARD CLASSIFICATION OF EDUCATION (ISCED) and Gender - 2014/15**

| ISCED BROAD GROUP | Female | Male | Total | % Female |
|---|---------------|---------------|---------------|-----------------|
| AGRICULTURE | 439 | 501 | 940 | 46.7 |
| EDUCATION | 5,043 | 2,683 | 7,726 | 65.3 |
| ENGINEERING, MANUFACTURING & CONSTRUCTION | 2,101 | 5,196 | 7,297 | 28.8 |
| HEALTH AND WELFARE | 2,670 | 1,430 | 4,100 | 65.1 |
| HUMANITIES AND ARTS | 2,358 | 1,629 | 3,987 | 59.1 |
| SCIENCE | 4,287 | 4,942 | 9,229 | 46.5 |
| SERVICES | 2,454 | 1,272 | 3,726 | 65.9 |
| SOCIAL SCIENCES, BUSINESS AND LAW | 15,377 | 8,031 | 23,408 | 65.7 |
| UNKNOWN | 102 | 68 | 170 | 60.0 |
| GRAND TOTAL | 34,831 | 25,752 | 60,583 | 57.5 |

Source: Tertiary Education Institutions.

Refer to Appendix 1 for information on ISCED Broad Category and Field of Education Classification.

Table A1.4
Student Enrolment by Type of Institution and Level of Qualification- 2014/15

| TEI TYPE | Certificate | Diploma | Bachelors Degree | Masters Degree | MPhil | PGD | PhD | Professional Courses | Grand Total |
|-------------------------------|--------------|---------------|------------------|----------------|------------|------------|-----------|----------------------|---------------|
| Private Institutions | 1,062 | 9,971 | 13,135 | 111 | | 117 | | 1,429 | 25,825 |
| Colleges of Education | | 2,417 | | | | | | | 2,417 |
| Institutes of Health Sciences | | 1,435 | | | | | | | 1,435 |
| Other Colleges | 339 | 2,776 | 4,058 | 214 | 0 | 0 | 5 | 1,420 | 8,812 |
| Technical Colleges | 1,037 | 1,526 | | | | 156 | | | 2,719 |
| Public Universities | | 1,523 | 16,013 | 1,447 | 114 | 189 | 89 | 0 | 19,375 |
| GRAND TOTAL | 2,438 | 19,648 | 33,206 | 1,772 | 114 | 462 | 94 | 2,849 | 60,583 |

*Source: Tertiary Education Institutions.
Refer to Table A1.1 for information on TEI Types.*

Table A1.5
Student Enrolment by INTERNATIONAL STANDARD CLASSIFICATION OF EDUCATION (ISCED)
And Level of Qualification- 2014/15

| ISCED BROAD GROUP | Certificate | Diploma | Bachelors Degree | Masters Degree | MPhil | PGD | PhD | Professional Courses | Grand Total |
|---|--------------|---------------|------------------|----------------|------------|------------|-----------|----------------------|---------------|
| AGRICULTURE | 0 | 165 | 726 | 44 | 0 | | 5 | 0 | 940 |
| EDUCATION | 75 | 3,041 | 3,629 | 473 | 29 | 460 | 19 | 0 | 7,726 |
| ENGINEERING, MANUFACTURING AND CONSTRUCTION | 1,450 | 3,407 | 2,382 | 48 | 6 | 0 | 4 | 0 | 7,297 |
| HEALTH AND WELFARE | 5 | 2,535 | 1,335 | 216 | 6 | 0 | 3 | 0 | 4,100 |
| HUMANITIES AND ARTS | 0 | 1,109 | 2,710 | 145 | 9 | 0 | 14 | 0 | 3,987 |
| SCIENCE | 162 | 1,131 | 7,718 | 155 | 25 | 2 | 28 | 8 | 9,229 |
| SERVICES | 208 | 1,485 | 1,978 | 44 | 7 | 0 | 4 | 0 | 3,726 |
| SOCIAL SCIENCES, BUSINESS AND LAW | 437 | 6,775 | 12,728 | 611 | 14 | 0 | 2 | 2,841 | 23,408 |
| UNKNOWN/UNCLASSIFIED | 101 | 0 | 0 | 36 | 18 | 0 | 15 | | 170 |
| GRAND TOTAL | 2,438 | 19,648 | 33,206 | 1,772 | 114 | 462 | 94 | 2,849 | 60,583 |

Source: Tertiary Education Institutions.

Refer to Appendix 1 for information on ISCED Broad Category and Field of Education Classification.

Table A1.6
Student Enrolment by TEI Type, ISCED Classification and Gender – 2014/15

| TEI TYPE2 | ISCED BROAD GROUP | Female | Male | Total | %Female |
|------------------------------------|---|---------------|---------------|---------------|---------------|
| PRIVATE INSTITUTIONS | Education | 447 | 90 | 537 | 83.2 |
| | Engineering, Manufacturing And Construction | 1,099 | 2,407 | 3,506 | 31.3 |
| | Health And Welfare | 1,035 | 399 | 1,434 | 72.2 |
| | Humanities And Arts | 689 | 681 | 1,370 | 50.3 |
| | Science | 2,751 | 2,756 | 5,507 | 50.0 |
| | Services | 1,739 | 824 | 2,563 | 67.9 |
| | Social Sciences, Business And Law | 7,198 | 3,710 | 10,908 | 66.0 |
| | Total | | 14,958 | 10,867 | 25,825 |
| COLLEGES OF EDUCATION | Education | 1,599 | 818 | 2,417 | 66.2 |
| INSTITUTE OF HEALTH SCIENCES | Health And Welfare | 813 | 577 | 1,390 | 58.5 |
| | Services | 26 | 19 | 45 | 57.8 |
| | Total | 839 | 596 | 1,435 | 58.5 |
| OTHER COLLEGES | Agriculture | 439 | 501 | 940 | 46.7 |
| | Engineering, Manufacturing And Construction | 124 | 170 | 294 | 42.2 |
| | Health And Welfare | 51 | 8 | 59 | 86.4 |
| | Humanities And Arts | 70 | 16 | 86 | 81.4 |
| | Education | 339 | 98 | 437 | 77.6 |
| | Science | 315 | 344 | 659 | 47.8 |
| | Services | 271 | 191 | 462 | 58.7 |
| | Social Sciences, Business And Law | 3,884 | 1,991 | 5,875 | 66.1 |
| Total | | 5,493 | 3,319 | 8,812 | 62.3 |
| TECHNICAL COLLEGES | Education | 75 | 81 | 156 | 48.1 |
| | Engineering, Manufacturing And Construction | 466 | 1,237 | 1,703 | 27.4 |
| | Science | 99 | 135 | 234 | 42.3 |
| | Services | 191 | 69 | 260 | 73.5 |
| | Social Sciences, Business And Law | 225 | 40 | 265 | 84.9 |
| | Unknown/Unclassified | 65 | 36 | 101 | 64.4 |
| Total | | 1,121 | 1,598 | 2,719 | 41.2 |
| PUBLIC UNIVERSITIES | Education | 2,583 | 1,596 | 4,179 | 61.8 |
| | Engineering, Manufacturing And Construction | 412 | 1,382 | 1,794 | 23.0 |
| | Health And Welfare | 771 | 446 | 1,217 | 63.4 |
| | Humanities And Arts | 1,599 | 932 | 2,531 | 63.2 |
| | Science | 1,122 | 1,707 | 2,829 | 39.7 |
| | Services | 227 | 169 | 396 | 57.3 |
| | Social Sciences, Business And Law | 4,070 | 2,290 | 6,360 | 64.0 |
| | Unknown/Unclassified | 37 | 32 | 69 | 53.6 |
| Total | | 10,821 | 8,554 | 19,375 | 55.9 |
| GRAND TOTAL | | 34,831 | 25,752 | 60,583 | 57.5 |

Table A1.7
Enrolment by ISCED Broad group classification, Qualification and Gender - 2014/15

| ISCED BROAD GROUP | QUALIFICATION LEVEL | Female | Male | Total | %Female |
|---|-----------------------|--------------|--------------|--------------|-------------|
| AGRICULTURE | Diploma | 69 | 96 | 165 | 41.8 |
| | Bachelors Degree | 349 | 377 | 726 | 48.1 |
| | Masters Degree | 19 | 25 | 44 | 43.2 |
| | PhD | 2 | 3 | 5 | 40.0 |
| | Total | 439 | 501 | 940 | 46.7 |
| EDUCATION | Certificate | 69 | 6 | 75 | 92.0 |
| | Diploma | 2,137 | 904 | 3,041 | 70.3 |
| | Bachelors Degree | 2,260 | 1,369 | 3,629 | 62.3 |
| | Masters Degree | 270 | 203 | 473 | 57.1 |
| | Post Graduate Diploma | 283 | 177 | 460 | 61.5 |
| | MPhil | 18 | 11 | 29 | 62.1 |
| | PhD | 6 | 13 | 19 | 31.6 |
| | Total | 5,043 | 2,683 | 7,726 | 65.3 |
| ENGINEERING, MANUFACTURING & CONSTRUCTION | Certificate | 371 | 1,079 | 1,450 | 25.6 |
| | Diploma | 1,057 | 2,350 | 3,407 | 31.0 |
| | Bachelors Degree | 664 | 1,718 | 2,382 | 27.9 |
| | Masters Degree | 8 | 40 | 48 | 16.7 |
| | Post Graduate Diploma | | | | |
| | MPhil | 1 | 5 | 6 | 16.7 |
| | PhD | 0 | 4 | 4 | 0.0 |
| | Total | 2,101 | 5,196 | 7,297 | 28.8 |
| HEALTH AND WELFARE | | | | | |
| | Certificate | 5 | 0 | 5 | 100.0 |
| | Diploma | 1,656 | 879 | 2,535 | 65.3 |
| | Bachelors Degree | 848 | 487 | 1,335 | 63.5 |
| | Masters Degree | 152 | 64 | 216 | 70.4 |
| | Post Graduate Diploma | | | | |
| | MPhil | 6 | 0 | 6 | 100.0 |
| | PhD | 3 | 0 | 3 | 100.0 |
| | Total | 2,670 | 1,430 | 4,100 | 65.1 |
| HUMANITIES AND ARTS | Certificate | 0 | 0 | 0 | 0.0 |
| | Diploma | 568 | 541 | 1,109 | 51.2 |
| | Bachelors Degree | 1,691 | 1,019 | 2,710 | 62.4 |
| | Masters Degree | 90 | 55 | 145 | 62.1 |
| | Post Graduate Diploma | | | | |
| | MPhil | 4 | 5 | 9 | 44.4 |
| | PhD | 5 | 9 | 14 | 35.7 |
| | Total | 2,358 | 1,629 | 3,987 | 59.1 |

Table A1.7Con't...

| ISCED BROAD GROUP | QUALIFICATION LEVEL | Female | Male | Total | %Female |
|--------------------------------------|-----------------------|---------------|---------------|---------------|---------------|
| SCIENCE | Certificate | 88 | 74 | 162 | 54.3 |
| | Diploma | 607 | 524 | 1131 | 53.7 |
| | Bachelor's Degree | 3,525 | 4,193 | 7,718 | 45.7 |
| | Masters Degree | 41 | 114 | 155 | 26.5 |
| | Post Graduate Diploma | 0 | 2 | 2 | 0.0 |
| | MPhil | 14 | 11 | 25 | 56.0 |
| | PhD | 6 | 22 | 28 | 21.4 |
| | Professional Courses | 6 | 2 | 8 | 75.0 |
| | Total | | 4,287 | 4,942 | 9,229 |
| SERVICES | Certificate | 107 | 101 | 208 | 51.4 |
| | Diploma | 1,003 | 482 | 1,485 | 67.5 |
| | Bachelor's Degree | 1,320 | 658 | 1,978 | 66.7 |
| | Masters Degree | 22 | 22 | 44 | 50.0 |
| | Post Graduate Diploma | | | | |
| | MPhil | 1 | 6 | 7 | 14.3 |
| | PhD | 1 | 3 | 4 | 25.0 |
| | Total | | 2,434 | 1,272 | 3,726 |
| SOCIAL SCIENCES, BUSINESS AND LAW | Certificate | 311 | 126 | 437 | 71.2 |
| | Diploma | 4,712 | 2,063 | 6,775 | 69.5 |
| | Bachelor's Degree | 8,241 | 4,487 | 12,728 | 64.7 |
| | Masters Degree | 352 | 259 | 611 | 57.6 |
| | Post Graduate Diploma | | | | |
| | MPhil | 5 | 9 | 14 | 35.7 |
| | PhD | 1 | 1 | 2 | 50.0 |
| | Professional Courses | 1,755 | 1,086 | 2,841 | 61.8 |
| | Total | | 15,377 | 8,031 | 23,408 |
| UNKNOWN | Certificate | 65 | 36 | 101 | 64.4 |
| | Diploma | | | | |
| | Bachelors Degree | | | | |
| | Masters Degree | 28 | 8 | 36 | 77.8 |
| | Post Graduate Diploma | | | | |
| | MPhil | 6 | 12 | 18 | 33.3 |
| | PhD | 3 | 12 | 15 | 20.0 |
| | Total | | 102 | 68 | 170 |
| TOTAL | | 34,831 | 25,752 | 60,583 | 57.5 |

Table A1.8
Student Enrolment by ISCED Classification and Gender - 2014/15

| ISCED BROAD GROUP | ISCED FIELD OF EDUCATION | Female | Male | Total | % Female |
|---|---|---------------|---------------|---------------|-------------|
| AGRICULTURE | Agriculture, Forestry & Fishery | 439 | 501 | 940 | 46.7 |
| EDUCATION | Teacher Training and Education Science | 5,043 | 2,683 | 7,726 | 65.3 |
| ENGINEERING, MANUFACTURING AND CONSTRUCTION | Architecture and Building | 750 | 1,944 | 2,694 | 27.8 |
| | Engineering & Engineering Trades | 600 | 2,650 | 3,250 | 18.5 |
| | Manufacturing and Processing | 751 | 602 | 1,353 | 55.5 |
| | Total | 2,101 | 5,196 | 7,297 | 28.8 |
| HEALTH AND WELFARE | Health | 1,965 | 1,296 | 3,261 | 60.3 |
| | Social Services | 705 | 134 | 839 | 84.0 |
| | Total | 2,670 | 1,430 | 4,100 | 65.1 |
| HUMANITIES AND ARTS | Arts | 695 | 819 | 1,514 | 45.9 |
| | Business and Administration | 0 | 0 | 0 | 0.0 |
| | Humanities | 1,663 | 810 | 2,473 | 67.2 |
| | Total | 2,358 | 1,629 | 3,987 | 59.1 |
| SCIENCE | Computing | 3,513 | 3,710 | 7,223 | 48.6 |
| | Life Science | 607 | 995 | 1,602 | 37.9 |
| | Mathematics & Statistics | 48 | 64 | 112 | 42.9 |
| | Physical Science | 119 | 173 | 292 | 40.8 |
| | Total | 4,287 | 4,942 | 9,229 | 46.5 |
| SERVICES | Business and Administration | 0 | 0 | 0 | 0.0 |
| | Environmental Protection | 165 | 183 | 348 | 47.4 |
| | Personal Services | 1,696 | 761 | 2,457 | 69.0 |
| | Security Services | 593 | 328 | 921 | 64.4 |
| | Transport Services | 0 | 0 | 0 | 0.0 |
| | Total | 2,454 | 1,272 | 3,726 | 65.9 |
| SOCIAL SCIENCES, BUSINESS AND LAW | Business and Administration | 9,695 | 5,085 | 14,780 | 65.6 |
| | Journalism & Information | 448 | 259 | 707 | 63.4 |
| | Law | 732 | 566 | 1,298 | 56.4 |
| | Personal Services | 0 | 0 | 0 | 0.0 |
| | Social & Behavioural Sciences | 4,502 | 2,121 | 6,623 | 68.0 |
| | Transport Services | 0 | 0 | 0 | 0.0 |
| | Total | 15,377 | 8,031 | 23,408 | 65.7 |
| UNKNOWN | Unknown | 102 | 68 | 170 | 60.0 |
| GRAND TOTAL | | 34,831 | 25,752 | 60,583 | 57.5 |

Source: Tertiary Education Institutions.

Refer to Appendix 1 for information on ISCED Broad Category and Field of Education Classification

Table A1.9
Student Enrolment by Type of Institution and share of the total enrolment: 2009/10 – 2014/15

| TEI STATUS | TEI TYPE2 | 2009/10 | % Share | 2010/11 | % Share | 2011/12 | % Share | 2012/13 | % Share | 2013/14 | % share | 2014/15 | % share |
|------------|----------------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|
| PRIVATE | Other College | 3,093 | 7.3 | 2,248 | 5.9 | 471 | 1.0 | 6,483 | 11.3 | 4,274 | 7.1 | 10,117 | 16.7 |
| | University | 3,965 | 9.4 | 3,846 | 10.2 | 4,894 | 10.5 | 5,219 | 9.1 | 6,120 | 10.1 | 5,928 | 16.1 |
| | University College | 10,314 | 24.3 | 7,513 | 19.8 | 7,263 | 15.6 | 10,933 | 19.0 | 15,926 | 26.4 | 9,780 | 9.8 |
| | Total | 17,372 | 41.0 | 13,607 | 35.9 | 12,628 | 27.1 | 22,635 | 39.4 | 26,320 | 43.6 | 25,825 | 42.6 |
| PUBLIC | College of Education | 2,469 | 5.8 | 2,277 | 6.0 | 1,967 | 4.2 | 2,542 | 4.4 | 2,859 | 4.7 | 2,417 | 4.0 |
| | Health Sciences | 1,706 | 4.0 | 1,625 | 4.3 | 1,530 | 3.3 | 1,639 | 2.9 | 1,567 | 2.6 | 1,435 | 2.4 |
| | Other College | 5,031 | 11.9 | 4,828 | 12.8 | 11,736 | 25.2 | 10,816 | 18.8 | 8,576 | 14.2 | 8,812 | 14.5 |
| | Technical College | 1,483 | 3.5 | 581 | 1.5 | 1,074 | 2.3 | 1,849 | 3.2 | 2,544 | 4.2 | 2,719 | 4.5 |
| | University | 14,305 | 33.8 | 14,941 | 39.5 | 17,678 | 37.9 | 17,966 | 31.3 | 18,573 | 30.7 | 19,375 | 32.0 |
| | Total | 24,994 | 59.0 | 24,252 | 64.1 | 33,985 | 72.9 | 34,812 | 60.6 | 34,119 | 56.4 | 34,758 | 57.4 |
| | GRAND TOTAL | 42,366 | 100.0 | 37,859 | 100.0 | 46,613 | 100.0 | 57,447 | 100.0 | 60,439 | 100.0 | 60,583 | 100.0 |

Source: Tertiary Education Institutions.
Refer to Table A1.1 for information on TEI Types

Table A1.10
Student Enrolment by ISCED Classification and share of the total enrolment: 2009/10 – 2014/15

| ISCED BROAD GROUP | 2009/10 | % Share | 2010/11 | % Share | 2011/12 | % Share | 2012/13 | % Share | 2013/14 | % Share | 2014/15 | % Share |
|--|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|
| AGRICULTURE | 943 | 2.2 | 1010 | 2.7 | 966 | 2.1 | 1324 | 2.3 | 1139 | 1.9 | 940 | 1.6 |
| EDUCATION ENGINEERING, MANUFACTURING AND CONSTRUCTION | 4,824 | 11.4 | 4,864 | 12.8 | 5,059 | 10.9 | 8,089 | 14.1 | 7,883 | 13.0 | 7,726 | 12.8 |
| HEALTH AND WELFARE | 2,906 | 6.9 | 1,981 | 5.2 | 2,501 | 5.4 | 3,939 | 6.9 | 6,218 | 10.3 | 7,297 | 12.0 |
| HUMANITIES AND ARTS | 2,672 | 6.3 | 2,708 | 7.2 | 2,711 | 5.8 | 4,459 | 7.8 | 3,944 | 6.5 | 4,100 | 6.8 |
| SCIENCE | 4,270 | 10.1 | 3,665 | 9.7 | 3,547 | 7.6 | 3,875 | 6.7 | 4,234 | 7.0 | 3,987 | 6.6 |
| SERVICES | 8,061 | 19.0 | 3,856 | 10.2 | 7,872 | 16.9 | 8,997 | 15.7 | 10,037 | 15.8 | 9,229 | 15.2 |
| SOCIAL SCIENCES, BUSINESS AND LAW | 2,165 | 5.1 | 1,398 | 3.7 | 1,037 | 2.2 | 1,759 | 3.1 | 3,154 | 6.0 | 3,726 | 6.2 |
| UNCLASSIFIED | 16,525 | 39.0 | 18,377 | 48.5 | 22,409 | 48.1 | 25,005 | 43.5 | 23,761 | 39.3 | 23,408 | 38.6 |
| GRAND TOTAL | 42,366 | 100 | 37,859 | 100 | 46,613 | 100 | 57,447 | 100 | 60,439 | 100 | 60,583 | 100 |

Source: Tertiary Education Institutions.
Refer to Appendix 1 for information on ISCED Broad Category and Field of Education Classification.

Table A1.11
Student Enrolment by TEIs Type, Qualification Level and Academic Year: 2009/10 – 2014/15

| Type of Institution | Qualification Level | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|------------------------------|----------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Private Institutions | Bachelors Degree | 2,810 | 5,479 | 6,845 | 8,854 | 10,794 | 13,135 |
| | Certificate | 156 | 0 | 0 | 16 | 0 | 0 |
| | Advanced Certificate | 624 | 461 | 644 | 955 | 617 | 1062 |
| | Diploma | 13,432 | 7,572 | 4,724 | 10,771 | 12,634 | 9,971 |
| | Masters Degree | 0 | 0 | 20 | 26 | 118 | 111 |
| | PhD | | | | | | 0 |
| | PGD | | | | | | 117 |
| | Professional Courses | 350 | 95 | 395 | 2,013 | 2,156 | 1,429 |
| | Total | 17,372 | 13,607 | 12,628 | 22,635 | 26,320 | 25,825 |
| Colleges of Education | Diploma | 2,469 | 2,277 | 1,967 | 2,542 | 2,859 | 2,417 |
| Institute of Health Sciences | Diploma | 1,706 | 1,625 | 1,530 | 1,639 | 1,567 | 1,435 |
| Other Colleges | Bachelors Degree | 1,418 | 1,716 | 2,270 | 2,212 | 3,894 | 4,058 |
| | Certificate | 0 | | 231 | 235 | 547 | 339 |
| | Diploma | 2,223 | 2,549 | 7,053 | 6,064 | 1,452 | 2,776 |
| | Masters Degree | 137 | 138 | 210 | 272 | 334 | 214 |
| | MPhil | 6 | 10 | 12 | 4 | 0 | 0 |
| | PhD | | | | | 2 | 5 |
| | Professional Courses | 1,247 | 415 | 1,960 | 2,029 | 2,347 | 1,420 |
| | Total | 5,031 | 4,828 | 11,736 | 10,816 | 8,576 | 8,812 |
| Technical Colleges | Certificate | 1,362 | 291 | 683 | 1,111 | 1,160 | 1,037 |
| | Diploma | 121 | 290 | 391 | 738 | 935 | 1,526 |
| | Professional Courses | | | | | 449 | 0 |
| | PGD | | | | | 449 | 156 |
| | Total | 1,483 | 581 | 1,074 | 1,849 | 2,544 | 2,719 |
| Public Universities | Bachelors Degree | 10,898 | 11,520 | 13,771 | 14,682 | 15,214 | 16,013 |
| | Certificate | 13 | 25 | 17 | 2 | 0 | 0 |
| | Diploma | 1,979 | 2,027 | 2,428 | 1,728 | 1,523 | 1,523 |
| | Masters Degree | 1,169 | 1,138 | 1,185 | 1,212 | 1,444 | 1,447 |
| | MPhil | 58 | 106 | 101 | 73 | 114 | 114 |
| | PGD | 138 | 81 | 117 | 217 | 189 | 189 |
| | PhD | 50 | 44 | 59 | 52 | 89 | 89 |
| | Total | 14,305 | 14,941 | 17,678 | 17,966 | 18,573 | 19,375 |
| GRAND TOTAL | | 42,366 | 37,859 | 46,613 | 57,447 | 60,439 | 60,583 |

Source: Tertiary Education Institutions.

Refer to Table A1.1 for information on TEI Types.

Refer to Table A1.2 for information on composition of Qualification levels.

Table A1.12
Student Enrolment by ISCED Classification and Academic Year: 2009/10 – 2014/15

| ISCED BROAD GROUP | ISCED FIELD OF EDUCATION | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|--|---------------|---------------|---------------|---------------|---------------|---------------|
| AGRICULTURE | Agriculture, Forestry & Fishery | 943 | 1,010 | 966 | 1,324 | 1,139 | 940 |
| EDUCATION | Teacher Training and Education Science | 4,824 | 4,864 | 5,059 | 8,089 | 7,883 | 7,726 |
| ENGINEERING, MANUFACTURING AND CONSTRUCTION | Architecture and Building | 1,009 | 997 | 776 | 1,417 | 2,527 | 2,694 |
| | Engineering & Engineering Trades | 1,635 | 728 | 1,368 | 1,954 | 2,470 | 3,250 |
| | Manufacturing and Processing | 0 | 0 | 0 | 34 | 0 | 0 |
| | Manufacturing and Processing | 262 | 256 | 357 | 534 | 1,221 | 1,353 |
| | Total | 2,906 | 1,981 | 2,501 | 3,939 | 6,218 | 7,297 |
| HEALTH AND WELFARE | Health | 2,224 | 2,238 | 2,298 | 3,796 | 2,927 | 3,261 |
| | Social Services | 448 | 470 | 413 | 663 | 975 | 839 |
| | Total | 2,672 | 2,708 | 2,711 | 4,459 | 3,902 | 4,100 |
| HUMANITIES AND ARTS | Arts | 2,022 | 1,364 | 1,012 | 1,676 | 1,524 | 1,514 |
| | Business and Administration | 0 | 5 | 48 | 106 | 0 | 0 |
| | Humanities | 2,248 | 2,296 | 2,487 | 2,093 | 2,710 | 2,473 |
| | Total | 4,270 | 3,665 | 3,547 | 3,875 | 4,234 | 3,987 |
| SCIENCE | Computing | 6,746 | 2,620 | 6,378 | 7,531 | 8,175 | 7,223 |
| | Life Science | 24 | 68 | 21 | 21 | 1,558 | 1,602 |
| | Life Sciences | 0 | 0 | 0 | 0 | 0 | 0 |
| | Mathematics & Statistics | 35 | 18 | 141 | 104 | 79 | 112 |
| | Physical Science | 1,256 | 1,150 | 1,332 | 1,341 | 192 | 292 |
| | Total | 8,061 | 3,856 | 7,872 | 8,997 | 10,004 | 9,229 |
| SERVICES | Business and Administration | 0 | 0 | 0 | 14 | 0 | 0 |
| | Environmental Protection | 49 | 33 | 61 | 50 | 224 | 348 |
| | Personal Services | 1,999 | 1,298 | 873 | 1,531 | 2,079 | 2,457 |
| | Security Services | 117 | 67 | 103 | 119 | 908 | 921 |
| | Transport Services | 0 | 0 | 0 | 45 | 0 | 0 |
| | Total | 2,165 | 1,398 | 1,037 | 1,759 | 3,229 | 3,726 |
| SOCIAL SCIENCES, BUSINESS AND LAW | Business and Administration | 12,914 | 14,307 | 15,570 | 18,038 | 16,863 | 14,780 |
| | Journalism & Information | 649 | 482 | 695 | 1212 | 690 | 707 |
| | Law | 576 | 662 | 810 | 884 | 1488 | 1298 |
| | Personal Services | 95 | 73 | 75 | 82 | 0 | 0 |
| | Social & Behavioural Sciences | 2,291 | 2,853 | 5,259 | 4,770 | 4,720 | 6,623 |
| | Transport Services | 0 | 0 | 0 | 19 | 0 | 0 |
| | Total | 16,525 | 18,377 | 22,409 | 25,005 | 23,761 | 23,408 |
| UNCLASSIFIED | UNCLASSIFIED | 0 | 0 | 511 | 0 | 69 | 170 |
| GRAND TOTAL | | 42,366 | 37,859 | 46,613 | 57,447 | 60,439 | 60,583 |

NB: The sharp increase in enrolment of Life science for 2013/14 and 2014/15 corresponds with a sharp decline in physical science in the same year, this could be the result of reclassification between the two desegregated fields.

Table A1.13i**Student Enrolment trend by TEI and Academic Year-Private institutions
2011/12 – 2014/15**

| ABM University College | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|---------|---------|---------|---------|
| Advanced Certificate In CIPS | | 11 | 10 | 0 |
| Advanced Diploma In CIPS | | | 58 | 0 |
| Advanced Diploma In Marketing (Abe) | 1 | | | |
| Advanced Diploma In Procurement And Supply | | | | 64 |
| Advanced Diploma In Accounting & Finance | 38 | 62 | 10 | |
| Advanced Diploma In Business Administration/Management (Abe) | 72 | 156 | 140 | 40 |
| Advanced Diploma In Business Information Systems (Abe) | 37 | 20 | 100 | 30 |
| Advanced Diploma In Computer Engineering | 8 | 6 | 22 | 16 |
| Advanced Diploma In Cshm | | 1 | | |
| Advanced Diploma In Electrical & Electronics Engineering (City & Guilds) | 29 | 11 | 205 | 124 |
| Advanced Diploma In Financial Management (Abe) | 0 | 16 | 78 | |
| Advanced Diploma In Human Resource Management | 109 | 326 | 186 | 38 |
| Advanced Diploma In Purchasing And Supply Management(ICM) | 1 | | 3 | |
| Advanced Diploma In Secretarial Studies | 0 | 131 | 84 | 50 |
| Advanced Diploma In Tourism Management | 20 | 19 | 52 | |
| Advanced Diploma In Travel, Tourism & Hospitality (Abe) | 0 | 4 | 2 | 1 |
| Advanced Diploma In Marketing | 144 | 8 | 33 | |
| Ba (Hons) Business Management | 110 | 100 | 449 | 275 |
| Ba (Hons) Human Resource Management | 57 | 90 | 529 | 398 |
| Ba (Hons) Marketing | 68 | 64 | 137 | |
| Ba (Hons) Marketing Management | | | 446 | 258 |
| Ba (Hons) Tourism Management | 83 | 68 | 238 | 180 |

Table A1.13i Cont'd

| ABM University College | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|---------|---------|---------|---------|
| BA (Hons) HRM | | 4 | | |
| A (HONS) CIPS | | | 4 | |
| BSc (Hons) Accounting And Finance | 96 | 58 | 341 | 222 |
| BSc (Hons) Financial Management | | | 3 | |
| BSc (Hons) Business Information Systems | | | 4 | |
| Certificate ACCOUNTING & FINANCE | 3 | | 1 | |
| Certificate BUSINESS INFORMATION SYSTEMS | 14 | 12 | | |
| Certificate BUSINESS MANAGEMENT | 106 | 106 | 5 | |
| Certificate COMPUTER ENGINEERING | 1 | 12 | 8 | |
| Certificate Electrical & Electronic Engineering | 2 | | 4 | |
| Certificate HUMAN RESOURCE MANAGEMENT | 211 | 211 | 12 | 6 |
| Certificate MARKETING MANAGEMENT | 114 | | 4 | |
| Certificate In Financial Management | | | | 1 |
| Certificate PURCHASING & SUPPLY | 7 | 10 | | 9 |
| Certificate In Chartered Institute Of Purchasing & Supply | 14 | | 16 | |
| Certificate In Secretarial Studies | 18 | 1 | 11 | 18 |
| CHARTERED INSTITUTE OF PURCHASING SUPPLY | 8 | | | |
| Diploma ACCOUNTING & FINANCE | 87 | 159 | 4 | |
| Diploma BUSINESS INFORMATION SYSTEMS | 52 | 67 | 3 | |
| Diploma COMPUTER ENGINEERING | 37 | 34 | | |
| Diploma Electrical & Electronic Engineering | 100 | 6 | 12 | |

Table A1.13i Cont'd

| ABM University College | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|--|--------------|--------------|--------------|--------------|
| Diploma in Business Management | 151 | 229 | 16 | 2 |
| Diploma in Computing | | 1 | | |
| Diploma in Electrical Engineering | | 39 | | |
| Diploma in Financial Management | | 45 | 2 | 2 |
| Diploma in human resource management | 333 | 351 | 56 | 30 |
| Diploma in secretarial studies | 63 | 48 | 55 | 22 |
| Diploma in Tourism Management | 87 | 40 | 5 | |
| Diploma Marketing advertising & Public Relations | 3 | | | |
| Diploma Marketing Management | 65 | 96 | 6 | |
| Diploma Purchasing & Supply Management | 9 | | 3 | |
| Diploma in CIPS | | | 7 | 7 |
| Hons Diploma in Marketing | | 1 | | |
| Progression Diploma in Tourism Management | | 34 | | |
| Foundation Diploma in CIPS | | | 9 | |
| International Certificate CIPS | | | 12 | |
| TOTAL | 2,370 | 2,780 | 3,385 | 1,793 |

Table A1.13ii

**Student Enrolment trend by TEI and Academic Year-Private institutions
2011/12 – 2014/15**

| BA ISAGO University College | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|--|----------------|----------------|----------------|----------------|
| Bachelor Of Accounting Sciences In Financial Accounting | 0 | 13 | 14 | 10 |
| Bachelor Of Commerce - Entrepreneurship | 80 | 52 | 50 | 41 |
| Bachelor of Commerce - Financial Management | 63 | 106 | 85 | 38 |
| Bachelor of Commerce - Human Resource Management | 63 | 63 | 98 | 67 |
| Bachelor of Commerce - Logistics Management | 23 | 8 | 15 | 3 |
| Bachelor of Commerce - Marketing Management | 177 | 63 | 69 | 49 |
| Bachelor of Commerce - Risk Management | 0 | 63 | 285 | 281 |
| Bachelor of Commerce - Strategic Supply Management | 58 | 20 | 18 | 8 |
| Bachelor of Commerce - Transport & Logistics | 0 | 19 | 22 | 21 |
| Bachelor of Commerce (Hons) - Risk Management & Insurance | 47 | 45 | 84 | 120 |
| Bachelor of Commerce in Industrial And Organizational Psychology | 0 | 12 | 12 | 11 |
| Bachelor of Commerce In Management Accounting | 0 | 28 | 26 | 11 |
| Bachelor Of Commerce In Real Estate | | | 136 | 235 |
| Bachelor of Commerce in Accounting | | | 96 | 95 |
| Bachelor of Commerce in Economics | | | 1 | |
| Bachelor of Commerce General | | | 1 | 7 |
| Bachelor of Commerce in Banking & Finance | | | 320 | 369 |
| Bachelor of Communication Science | | | 1 | |
| Bachelor of Education In Social Studies | | | 17 | 17 |
| Bachelor of Accounting Sciences In Management Accounting | | | 4 | |

Table A1.13ii Cont'd

| BA ISAGO University College | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|----------------|----------------|----------------|----------------|
| Bachelor Of ARTS | | | 5 | |
| Bachelor Of Education In Early Child Development | | | 75 | 122 |
| Bachelor Of Law | 1 | | 3 | |
| Bachelor Of Technology - Security Management | 0 | 35 | | |
| Bachelor Of Technology(Breech)- Safety Management | 33 | | 4 | 2 |
| Bachelor Of Science Quantity Surveying | | | | 37 |
| BICA | | 39 | 49 | |
| Certificate In Real Estate | 9 | | 73 | 53 |
| Certified Accounting Technician (Diploma) | 520 | 0 | | |
| Certified Accounting Technician- CAT | 0 | 286 | 178 | 22 |
| CERTIFICATE IN BUSINESS MANAGEMENT | | | 54 | 30 |
| CERTIFICATE IN COURT ADMINISTRATION | | | 5 | 18 |
| CERTIFICATE IN LAW | | | 26 | 23 |
| Certificate In Vocational Education & Training | | | 10 | 21 |
| Diploma In Entrepreneurship | | | 21 | 33 |
| Diploma In Insurance | | | 17 | 21 |
| Diploma In Law | | | 46 | 94 |
| DIPLOMA IN MARKETING | | | 118 | 78 |
| DIPLOMA IN MARKETING MANAGEMENT | | | | 36 |
| Diploma In ACCOUNTING | 0 | 73 | 184 | 207 |
| Diploma In Court Administration | 55 | 90 | 127 | 162 |
| Diploma In REAL ESTATE | 0 | 120 | 299 | 283 |
| Diploma In Transport & Logistics | 0 | 45 | 174 | 226 |

Table A1.13ii Cont'd

| BA ISAGO University College | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|--|--------------|--------------|--------------|--------------|
| National Diploma In SAFETY MANAGEMENT | 114 | 78 | 56 | 19 |
| NATIONAL PROFESSIONAL DIPLOMA In EDUCATION | 54 | 57 | 72 | 68 |
| NATIONAL DIPLOMA In SECURITY RISK | | | 2 | |
| POSTGRADUATE DIPLOMA IN EDUCATION | | | 1 | 5 |
| GRAND TOTAL | 1,297 | 1,315 | 2,955 | 2,943 |

Table A1.13iii

**Student Enrolment trend by TEI and Academic Year-Private institutions
2011/12 – 2014/15**

| BOITEKANELO TRAINING INSTITUTE | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|----------------|----------------|----------------|----------------|
| Certificate in COUNSELLING | | 16 | | |
| Certificate in DENTAL SURGERY ASSISTING | | 27 | | |
| Certificate in EMERGENCY MEDICAL CARE | | 38 | | |
| Certificate in HEALTH CARE ASSISTANCE | | 121 | | |
| Certificate in OCCUPATIONAL HEALTH AND SAFETY | | 52 | | |
| Diploma in COUNSELLING | | 245 | 281 | 220 |
| Diploma in EMERGENCY CARE TECHNOLOGY | | 306 | 350 | 303 |
| DIPLOMA IN HEALTH EDUCATION AND PROMOTION | | 220 | 271 | 189 |
| HIGHER DIPLOMA IN PHARMACY | | | | 116 |
| DIPLOMA IN HEALTH CARE MANAGEMENT | | 237 | 279 | 247 |
| DIPLOMA IN OCCUPATIONAL HEALTH AND SAFETY | | 414 | 447 | 419 |
| DEGREE IN COUNSELLING | | | 68 | 91 |
| DEGREE IN HEALTH PROMOTION & EDUCATION | | | 37 | 93 |
| DEGRRE IN EMERGENCY MEDICAL CARE | | | | 44 |
| DEGREE IN OCCUPATIONAL HEALTH SAFETY | | | 51 | 124 |
| DEGREE IN HEALTH CARE MANAGEMENT | | | 34 | 99 |
| DEGREE IN NUTRITION AND DIETETICS | | | | 16 |
| PHARMACY | | | 43 | 0 |
| NATIONAL DPLOMA IN CLINICAL TECHNOLOGY | | | | 11 |
| GRAND TOTAL | | 1,676 | 1,861 | 1,972 |

Table A1.13iv
Student Enrolment trend by TEI and Academic Year-Private institutions
2011/12 – 2014/15

| BOTHO UNIVERSITY | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|--|----------------|----------------|----------------|----------------|
| AAT | 376 | 312 | 1,022 | 689 |
| ACCA | 10 | 358 | 34 | 7 |
| BICA | | 145 | 19 | 43 |
| BSc (Hons) ACCOUNTING | 0 | 0 | 328 | 937 |
| BSc (Hons) In COMPUTING (Teesside University) | 0 | 3,249 | 502 | 32 |
| BSc (Hons) Health Information Management | | | 204 | 694 |
| BSc (Hons) In Computing - Software Specialization | | | | 65 |
| BSc (Hons) Business Management | | | 207 | 56 |
| BSc (Hons) Mobile Computing | | | 19 | 39 |
| BSc (Hons) Network Security And Forensics | | | 64 | 497 |
| BSc (Hons) Computing | | | 3,030 | 1,999 |
| BSc (Hons) Computing And Its Practice | | | 445 | 498 |
| Certificate NIIT Programmes | | | | 11 |
| Certificate In COMPUTING | | 16 | | 40 |
| Certificate In COST AND REVENUES | | 4 | | 0 |
| CIMA | 1 | 306 | 39 | 128 |
| Diploma In Accounting | | | | 1 |
| Diploma In Business Management | | | | 1 |
| Diploma In COMPUTING | | 3 | | 47 |
| Honours Certificate In Business & IT Skills | 104 | 3 | | 0 |
| Honours Certificate In Business And It Skills | 8 | 0 | | 0 |
| Honours Diploma In Business & IT Skills | 15 | 0 | | 0 |
| Honours Diploma In INFORMATION TECH (Software/Network Engineering) | 10 | 3 | | 0 |
| ICDL | | 33 | | 0 |
| MSc In Computing (Teesside University) | 7 | 12 | 4 | 9 |
| Professional Diploma (Honours) In Health Information Management | | | | 5 |
| Professional Diploma (Hons) In COMPUTING | | 149 | 106 | 18 |
| Diploma In INFORMATION TECH (Software/ Network Engineering) | 0 | 180 | 39 | 0 |
| Post Graduate Certificate In Higher Education | | | 58 | 112 |
| GRAND TOTAL | 4,894 | 5,219 | 6,120 | 5,928 |

Table A1.13v**Student Enrolment trend by TEI and Academic Year-Private institutions
2011/12 – 2014/15**

| IMPERIAL SCHOOL OF BUSINESS | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|----------------|----------------|----------------|----------------|
| AAT | | 98 | 287 | 191 |
| CIPS | | | | 4 |
| CIMA | | | | 2 |
| Certificate in BUSINESS MANAGEMENT | | 12 | 54 | 0 |
| Certificate in HUMAN RESOURCE MANAGEMENT | | 15 | 76 | 0 |
| Certificate in MARKETING MANAGEMENT | | 46 | 115 | 0 |
| Certificate in TOURISM, TRAVEL & HOSPITALITY | | 3 | 77 | 0 |
| Diploma in Marketing Management | | | | 56 |
| Advanced Diploma in Advertising, PR & Marketing Management | | 12 | 69 | 28 |
| Advanced Diploma in business management | | 14 | 14 | 61 |
| Diploma in BUSINESS STUDIES | | 33 | 61 | 0 |
| Advanced Diploma in human resource management | | 19 | 23 | 51 |
| Advanced Diploma in TOURISM, TRAVEL & HOSPITALITY | | 7 | 6 | 64 |
| Advanced Diploma in Business Skills | | | | 25 |
| Degree in Entrepreneurial Management | | | | 17 |
| International Computer Driver's License Certificate | | | | 8 |
| UNCLASSIFIED | | | 41 | 0 |
| GRAND TOTAL | | 271 | 823 | 507 |

Table A1.13vi
Student Enrolment trend by TEI and Academic Year-Private institutions 2011/12 – 2014/15

| GABORONE INSTITUTE OF PROFESSIONAL STUDIES | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|----------------|----------------|----------------|----------------|
| AAT (PROFESSIONAL) | | 418 | 431 | 250 |
| ABE Advanced Diploma in BUSINESS MANAGEMENT | | 153 | 130 | 11 |
| ACCA (PROFESSIONAL) | | 18 | 18 | 25 |
| Advanced Diploma in HRM | | 116 | 110 | 57 |
| Advanced Diploma in INTERNATIONAL TOURISM | | 14 | 14 | 86 |
| Advanced Diploma in IT | | | 414 | |
| Advanced Diploma in Business Skills | | | 160 | 59 |
| Advanced Diploma in Business Studies | | | | 6 |
| Advanced Diploma in Travel and Tourism | | | | 23 |
| BA(Hons)- BUSINESS MANAGEMENT | | 62 | 20 | |
| BSc IT | | 229 | 35 | |
| Certificate in BUSINESS MANAGEMENT | | 22 | 0 | |
| Certificate in HRM | | 21 | 0 | |
| Certificate in TOURISM | | 76 | 76 | |
| Certificate in IT | | | 149 | |
| Certificate in Business Skills | | | 0 | |
| Diploma in business management | | 344 | 366 | 14 |
| Diploma in HRM | | 385 | 406 | 5 |
| Diploma in SALES AND MARKETING | | 9 | 0 | 4 |
| Diploma in TOURISM | | 47 | 47 | |
| Diploma in IT | | | 88 | |
| Diploma in Business Skills | | | 13 | |

Table A1.13vi Cont'd...

| GABORONE INSTITUTE OF PROFESSIONAL STUDIES | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|--|----------------|----------------|----------------|----------------|
| Diploma in Entrepreneurship | | | 37 | 123 |
| Diploma in Accounting | | | | 86 |
| Diploma in Computing | | | | 293 |
| Graduate Diploma in Sales and Marketing | | 3 | 11 | |
| Higher Diploma in SALES AND MARKETING | | 34 | 9 | |
| NCC International Advanced Diploma in COMPUTER STUDIES | | 126 | 0 | |
| NCC International Certificate in COMPUTER STUDIES | | 9 | 0 | |
| NCC International Diploma in COMPUTER STUDIES | | 365 | 0 | |
| Professional Diploma in SALES MARKETING | | 11 | 34 | |
| BBA Accounting & Finance | | | 130 | 357 |
| BBA Tourism | | | 190 | 760 |
| BBA in Marketing | | | 156 | 240 |
| BBA in Business Management | | | 243 | 242 |
| BA (Hons) Business Studies | | | | 6 |
| BBA Human Resource Management | | | | 23 |
| BBA Strategic Management | | | | 286 |
| BSc Computer Science | | | | 62 |
| BSC (Hons) Business Information Technology | | | | 168 |
| GRAND TOTAL | | 2,462 | 3,287 | 3,186 |

Table A1.13vii

**Student Enrolment trend by TEI and Academic Year-Private institutions
2011/12 – 2014/15**

| LIMKOKWING UNIVERSITY COLLEGE OF CREATIVE TECHNOLOGY | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|----------------|----------------|----------------|----------------|
| Associate Degree in Advertising | 130 | 146 | 107 | 108 |
| Associate Degree in Architecture | 306 | 330 | 275 | 268 |
| Associate Degree in Broadcasting (Radio & TV) | 92 | 152 | 252 | 252 |
| Associate Degree in Business Information Systems | 195 | 229 | 216 | 217 |
| Associate Degree in Business Information Technology | 13 | 10 | 5 | 5 |
| Associate Degree in Business Management | 200 | 350 | 248 | 247 |
| Associate Degree in Creative Multimedia | 64 | 45 | 177 | 177 |
| Associate Degree in creative writing | 0 | 2 | 0 | 0 |
| Associate Degree in Digital Photography | 18 | 28 | 24 | 24 |
| Associate Degree in Digital Video | 4 | 27 | 44 | 44 |
| Associate Degree in Event Management | 0 | 2 | 34 | 33 |
| Associate Degree in Fashion & Apparel Design | 34 | 23 | 93 | 92 |
| Associate Degree in Fine Art | 2 | 19 | 92 | |
| Associate Degree in Furniture Design | 54 | 24 | 19 | 19 |
| Associate Degree in Graphic Design | 133 | 152 | 103 | 102 |
| Associate Degree in Hotel Management | 13 | 15 | 40 | 40 |
| Associate Degree in Information Technology | 112 | 56 | 26 | 25 |
| Associate Degree in Interior Design | 67 | 77 | 77 | 76 |
| Associate Degree in International Tourism | 5 | 6 | 1 | 1 |
| Associate Degree in JOURNALISM & MEDIA | 95 | 217 | 286 | 283 |
| Associate Degree in Marketing | 36 | 106 | 130 | 129 |
| Associate Degree in Merchandising & Retailing | 48 | 106 | 79 | 79 |

Table A1.13vii Cont'd....

| LIMKOKWING UNIVERSITY COLLEGE OF CREATIVE TECHNOLOGY | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|----------------|----------------|----------------|----------------|
| Associate Degree in Merchandising Design | | 1 | | |
| Associate Degree in Multimedia & Software Engineering | 42 | 29 | | |
| Associate Degree in Packaging Design and Technology | 31 | 41 | 55 | 55 |
| Associate Degree in Software Engineering | 119 | 67 | 14 | 14 |
| Associate Degree in Sound Technology | 81 | 140 | 129 | 128 |
| Associate Degree in Textile | 29 | 204 | 238 | 238 |
| Associate Degree in Tourism Management | 93 | 58 | 206 | 206 |
| Associate Degree in TV & Film Production | 30 | 108 | 128 | 128 |
| Associate Degree in Mobile Computing | | | 4 | 4 |
| Associate Degree in Videography | 1 | 0 | 0 | 0 |
| Associate Degree in Web Design | 51 | 149 | 89 | 89 |
| B Bus (Hons) in Tourism Management | 228 | 627 | 279 | 276 |
| B Business (Hons) in Entrepreneurship | 117 | 395 | 125 | 125 |
| B Business (Hons) in International Business | 138 | 300 | 201 | 197 |
| B Design (Hons) Professional Design | 11 | 148 | 141 | 139 |
| BA (Hons) in Creative Multimedia | 126 | 220 | 118 | 118 |
| BA (Hons) in Broadcasting & Journalism | 105 | 404 | 260 | 260 |
| BA (Hons) in Digital Film & Television | 12 | 89 | 68 | 68 |
| BA (Hons) in Event Management | 2 | 201 | 60 | 60 |
| BA (Hons) in Industrial Design | 14 | 195 | 59 | 59 |
| BA (Hons) in Professional Communication | 35 | 85 | 31 | 31 |
| BA in Interior Architecture | 126 | 233 | 174 | 169 |
| BSc (Hons) in Electronic Commerce | 78 | 267 | 108 | 106 |

Table A1.13vii Cont'd....

| LIMKOKWING UNIVERSITY COLLEGE OF CREATIVE TECHNOLOGY | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|----------------|----------------|----------------|----------------|
| BSc (Hons) in Information Technology | 224 | 342 | 52 | 52 |
| BSc (Hons) in Software Engineering with Multimedia | 151 | 246 | 148 | 143 |
| GRAND TOTAL | 3,596 | 6,838 | 5,081 | 5,044 |

Table A1.13viii

**Student Enrolment trend by TEI and Academic Year-Private institutions
2011/12 – 2014/15**

| MANAGEMENT INSTITUTE OF SOUTHERN AFRICA | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|--|----------------|----------------|----------------|----------------|
| Bachelor of BUSINESS ADMINISTRATION | 99 | 135 | 377 | 458 |
| Bachelor of COMMERCE (HUMAN RESOURCE MANAGEMENT) | 87 | 93 | 215 | 231 |
| Bachelor of COMMERCE (MARKETING) | 50 | 96 | 217 | 246 |
| Bachelor of PUBLIC ADMINISTRATION | 4 | 4 | 11 | 16 |
| Master of BUSINESS ADMINISTRATION | 13 | 14 | 79 | 102 |
| GRAND TOTAL | 253 | 342 | 899 | 1,053 |

Table A1.13ix**Student Enrolment trend by TEI and Academic Year-Private institutions
2011/12 – 2014/15**

| NEW ERA COLLEGE OF APPLIED ARTS SCIENCE & TECHNOLOGY | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|--|---------|--------------|--------------|--------------|
| Advanced Diploma In Construction Industry (CITY AND GUILDS) | | 487 | 626 | 469 |
| Advanced Diploma in Electrical and Electronics Engineering (CITY AND GUILDS) | | 407 | 613 | 315 |
| Advanced Diploma In Telecommunications Systems (CITY AND GUILDS) | | 367 | 318 | 149 |
| Advanced Diploma in TRAVEL, TOURISM & HOSPITALITY | | 5 | 35 | 0 |
| Diploma in ACCOMODATION OPERATIONS & SERVICES | | 148 | 86 | 10 |
| Certificate in Telecommunications | | | | 134 |
| Diploma in Telecommunications | | | | 88 |
| Certificate in Construction Industry | | | | 208 |
| Diploma in Construction Industry | | | | 56 |
| Diploma in Travel, Tourism and Hospitality Management | | | | 35 |
| Advanced Diploma in Accommodation, Operations & Services | | | | 28 |
| Diploma in Electrical and Electronics Engineering | | | | 171 |
| Certificate in Electrical and Electronics Engineering | | | | 295 |
| GRAND TOTAL | | 1,414 | 1,678 | 1,958 |

Table A1.13x**Student Enrolment trend by TEI and Academic Year-Private institutions
2011/12 – 2014/15**

| ASSEMBLY BIBLE COLLEGE | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|-----------|-----------|-----------|------------|
| Diploma in Biblical Theology and Ministry | 35 | 32 | 29 | 33 |
| Total | 35 | 32 | 29 | 33 |
| BOSA-BOSELE TRAINING INSTITUTE | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
| Certificate in Social Work | | | | 91 |
| Diploma in Social Work | | | | 114 |
| Certificate in Early Childhood Education | | | | 62 |
| Certificate in Journalism & Media Studies | | | | 20 |
| Certificate in HIV/AIDS Care & Counselling | | | | 5 |
| Total | | | | 292 |
| FLYING MISSION SERVICES | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
| Diploma in AIRCRAFT MAINTENANCE ENGINEERING | 11 | 16 | 25 | 25 |
| Total | 11 | 16 | 25 | 25 |
| GABORONE ACADEMY OF EDUCATION | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
| Certificate in Information systems | | | | 1 |
| Certificate in Human Resource Management | | | | 2 |
| Certificate in Business Studies | | | | 3 |
| Diploma in Marketing , Advertising & Public Relations | | | 9 | 9 |
| Diploma in Business Skills | | | 5 | 2 |
| Diploma in Business Studies | | | 1 | |

Table A1.13x Cont'd...

| GABORONE ACADEMY OF EDUCATION | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|--|------------|------------|------------|--------------|
| Diploma in Human Resource Management | | | 2 | |
| Association of Accounting Technicians | | | 23 | 44 |
| Total | | | 40 | 61 |
| GABORONE UNIVERSAL COLLEGE OF LAW | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
| Diploma in Law | 133 | 233 | 690 | 415 |
| Diploma in Early Childhood Education | | | | 144 |
| Advanced Diploma in Purchasing and Supply Management | | | | 55 |
| Diploma in Court Administration | | | | 16 |
| Advanced Diploma in Criminology | | | | 8 |
| Advanced Diploma in Occupational health & Safety Environment law | | | | 252 |
| Advanced Diploma in Security Management and Legal Studies | | | | 37 |
| Total | 133 | 233 | 690 | 927 |
| KGOLAGANO COLLEGE OF THEOLOGICAL EDUCATION | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
| Diploma in Theology | 36 | 42 | 90 | 44 |
| Bachelor of Theology | | | | 59 |
| Total | 36 | 42 | 90 | 103 |
| GRAND TOTAL | 215 | 323 | 874 | 1,441 |

Table A1.14i

**Student Enrolment trend by TEI and Academic Year-Public institutions
2009/10 – 2014/15**

Institute of Health Sciences

| BAMALETE LUTHERAN SCHOOL OF NURSING, DEBORAH RETIEF MEMORIAL SCHOOL OF NURSING, IHS FRANCISTOWN, IHS LOBATSE, IHS GABORONE, IHS MOLEPOLOLE IHS SEROWE, KANYE SDA SCHOOL OF NURSING, | | | | | | | |
|--|---|----------------|----------------|----------------|----------------|----------------|----------------|
| TEI NAME | PROGRAMMES OFFERED | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
| BLSN | MIDWIFERY | 62 | 62 | 30 | 64 | 43 | 64 |
| DRMSN | Higher Diploma in GENERAL NURSING | 94 | 102 | 114 | 118 | 118 | |
| IHSF | Higher Diploma in GENERAL NURSING | 238 | 222 | 148 | 172 | 180 | 180 |
| | MIDWIFERY | 47 | 0 | 36 | 36 | 24 | 24 |
| IHSF Total | | 285 | 222 | 184 | 208 | 204 | 204 |
| IHSG | Advanced Diploma in Family Nurse Practitioner | 16 | 16 | 32 | 31 | 20 | 20 |
| | Higher Diploma in Dental Therapy | 29 | 32 | 31 | 28 | 27 | 24 |
| | Higher Diploma in GENERAL NURSING | 210 | 176 | 170 | 145 | 137 | 143 |
| | Higher Diploma in Health Education | 39 | 29 | 0 | | | |
| | Higher Diploma in Medical Laboratory Technology | 94 | 93 | 91 | 78 | 63 | 34 |
| | Higher Diploma in Nurse Anaesthesia | 8 | | 0 | 7 | 0 | 0 |
| | HIGHER DIPLOMA IN PHARMACY TECHNOLOGY | 79 | 89 | 84 | 88 | 82 | 90 |
| Post Basic Diploma in MIDWIFERY | 55 | 55 | 68 | 55 | 25 | 41 | |
| IHSG Total | | 530 | 490 | 476 | 432 | 354 | 352 |
| IHSL | Advanced Diploma in Psychiatric Mental Health Nursing | 19 | 20 | 0 | | 0 | 0 |
| | Basic Diploma in Environmental Health | 43 | 43 | 42 | 46 | 42 | 168 |
| | Higher Diploma in GENERAL NURSING | 166 | 146 | 136 | 159 | 186 | 45 |
| | Post Basic Diploma in MIDWIFERY | 21 | 21 | 0 | | 0 | 0 |
| IHSL TOTAL | | 249 | 230 | 178 | 205 | 228 | 213 |
| IHSM | Advanced Diploma in Community Health Nursing | 0 | 10 | 9 | 16 | 15 | |
| | Advanced Diploma in Ophthalmic Nursing | 0 | 12 | 12 | 11 | 11 | |
| | Higher Diploma in GENERAL NURSING | 116 | 126 | 119 | 146 | 152 | 152 |
| | Post Basic Diploma in MIDWIFERY | 15 | | 15 | 0 | 0 | |
| IHSM Total | | 131 | 148 | 155 | 173 | 178 | 152 |
| IHSS | Higher Diploma in GENERAL NURSING | 123 | 135 | 187 | 214 | 193 | 174 |
| | Post Basic Diploma in MIDWIFERY | 29 | 28 | 0 | 0 | 0 | 0 |
| | Higher Diploma in Health Education | | | | | 46 | 55 |
| IHSS Total | | 152 | 163 | 187 | 214 | 239 | 229 |
| KSDACN | Advanced Diploma in Family Nurse Practitioner | 18 | 18 | 26 | 26 | 25 | 24 |
| | Higher Diploma in GENERAL NURSING | 160 | 165 | 163 | 163 | 158 | 165 |
| | Post Basic Diploma in MIDWIFERY | 25 | 25 | 17 | 36 | 20 | 32 |
| KSDACN Total | | 203 | 208 | 206 | 225 | 203 | 221 |
| GRAND TOTAL | | 1,706 | 1,625 | 1,530 | 1,639 | 1,567 | 1,435 |

Table A1.14ii**Student Enrolment trend by TEI and Academic Year-Public institutions
2009/10 – 2014/15****Colleges of Education**

| FRANCISTOWN COLLEGE OF EDUCATION, MOLEPOLOLE COLLEGE OF EDUCATION, SEROWE COLLEGE OF EDUCATION, TLOKWENG COLLEGE OF EDUCATION, AND TONOTA COLLEGE OF EDUCATION | | | | | | | |
|---|--------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| TEI NAME | PROGRAMMES OFFERED | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
| SCE | DIPLOMA IN PRIMARY EDUCATION | 412 | 552 | 546 | 780 | 585 | 700 |
| FCE | DIPLOMA IN PRIMARY EDUCATION | 457 | 461 | 450 | 483 | 628 | 144 |
| MCE | DIPLOMA IN SECONDARY EDUCATION | 504 | 462 | 349 | 426 | 538 | 502 |
| TCE | DIPLOMA IN SECONDARY EDUCATION | 434 | 458 | 505 | 521 | 639 | 587 |
| TKCE | DIPLOMA IN PRIMARY EDUCATION | 662 | 344 | 117 | 332 | 469 | 481 |
| | GRAND TOTAL | 2,469 | 2,277 | 1,967 | 2,542 | 2,859 | 2,414 |

Table A1.14iii
Student Enrolment trend by TEI and Academic Year-Public institutions
2009/10 – 2014/15

| BOTSWANA ACCOUNTANCY COLLEGE | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| AAT | 950 | 307 | 950 | 924 | 937 | 457 |
| ACCA | 156 | 42 | 311 | 340 | 137 | 287 |
| BA (Hons) Accounting & Finance | 115 | 186 | 350 | 353 | 382 | 415 |
| BA (HONS) In Business Enterprise | 0 | 103 | 198 | 285 | 176 | 166 |
| BA(HONS) In Travel And Tourism Management | 0 | | 49 | 126 | 268 | 242 |
| BA (HONS) In Business Management | | | | | 254 | 260 |
| BA (HONS) In International Hospitality Management | | | | | 52 | 53 |
| BA (HONS) In Salon Hospitality Management | | | | | 61 | 84 |
| BA (HONS) In Business Entrepreneurship & Leadership | | | | | 94 | 89 |
| BICA | 0 | | 49 | 51 | 74 | 106 |
| BSc (hons) Applied Business Computing - ABC | 198 | 302 | 379 | 0 | 386 | 306 |
| BSC (HONS) Computer Systems Engineering (University of Sunderland) | 398 | 375 | 545 | 161 | 424 | 327 |
| Advanced Taxation | | | 0 | 0 | | 58 |
| Certified Internal Audit | 0 | | 4 | 13 | | 26 |
| CIMA | 111 | 66 | 311 | 376 | 213 | 234 |
| Diploma in Contact Centre Management Programme (CCMP) | 101 | 149 | 169 | 66 | | 0 |
| Public Sector Procurement | | | | | | 116 |
| Insurance - COP | | | 98 | 0 | 91 | 0 |
| Insurance Institute of South Africa (IISA) | 4 | | 0 | 44 | | |
| MBA - Top up (ACCA/CIMA) | | | 0 | 34 | 33 | 0 |
| MBA ACCA 2008 | 13 | | 0 | 0 | | |
| MBA CIMA 2009 | 2 | | 0 | 0 | | |
| MSc Information Technology Management | | | 26 | 0 | 37 | 10 |
| MSc Strategic Management | 79 | 49 | 136 | 138 | 136 | 0 |
| MSc Project Management | | | | | 71 | 40 |
| GRAND TOTAL | 2,140 | 1,579 | 3,575 | 2,911 | 3,826 | 3,276 |

Table A1.14iv

**Student Enrolment trend by TEI and Academic Year-Public institutions
2009/10 – 2014/15**

| BOTSWANA COLLEGE OF AGRICULTURE | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| BSc in Agricultural Economics | 133 | 63 | 64 | 156 | 153 | 118 |
| BSc in Agricultural Education | 112 | 91 | 81 | 147 | 201 | 142 |
| BSc in Agricultural Extension | | | 30 | 51 | 70 | 75 |
| BSc in Agricultural Mechanization | 104 | 109 | 108 | 125 | 125 | 83 |
| BSc in Agriculture | 143 | 106 | 87 | 109 | 101 | 81 |
| BSc in Animal Science | 101 | 149 | 150 | 162 | 139 | 140 |
| BSc in Crop Science | 82 | 111 | 108 | 114 | 114 | 87 |
| BSc in Food Science & Technology | 24 | 58 | 0 | 110 | 132 | 124 |
| BSc in Soil & Water Conservation Engineering | 32 | 121 | 121 | 166 | 172 | 170 |
| Diploma in Agricultural Extension | | | | | | 59 |
| Higher Diploma in Agricultural Engineering | 5 | 0 | 0 | | 0 | |
| Higher Diploma in Agriculture | 57 | 53 | 57 | 45 | 44 | 30 |
| Higher Diploma in Animal Health & Production | 60 | 56 | 58 | 69 | 69 | 46 |
| Higher Diploma in Forestry And Range Ecology | 41 | 46 | 48 | 49 | 44 | 30 |
| Higher Diploma in Horticulture | 9 | 3 | 2 | 1 | | |
| MSc in Agricultural Education | 7 | 5 | 6 | 5 | 2 | 1 |
| MSc in Agricultural Engineering | 6 | 10 | 12 | 4 | 7 | 8 |
| MSc in Animal Science | 15 | 20 | 20 | 11 | 16 | 12 |
| MSc in Crop Science | 10 | 6 | 14 | | 21 | 23 |
| PhD in Animal Science (Animal Nutrition) | | | | | | 1 |
| PhD in Animal Science (Breeding and Reproduction) | | | | | | 1 |
| PhD in Crop Science (Agronomy) | | | | | | 2 |
| PhD in Crop Science (Horticulture) | | | | | | 1 |
| GRAND TOTAL | 943 | 1,010 | 966 | 1,324 | 1,444 | 1,234 |

Table A1.14v

**Student Enrolment trend by TEI and Academic Year-Public institutions
2009/10 – 2014/15**

| BOTSWANA COLLEGE OF ENGINEERING & TECHNOLOGY | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| Technical Diploma in Motor Vehicle Systems | | | | | | 33 |
| Advanced Certificate in Business | | 39 | 0 | 0 | | |
| Advanced certificate in ICT | | 40 | 0 | 0 | | 28 |
| BTEP Advanced Certificate in Electrical & Mechanical Engineering | 60 | | 0 | 0 | | |
| BTEP Certificate in Electrical & Mechanical Engineering | 36 | | 0 | 0 | | |
| BTEP Certificate in Information & Communication Technology | 26 | | 0 | | 14 | 0 |
| Certificate in Auto Electronics | 78 | | 0 | | | |
| Certificate in Auto mechanics | 271 | | 0 | | | |
| Certificate in Electrical & Electronic Engineering | | | 87 | 259 | | |
| Certificate in Heavy Plant | 140 | | 0 | | | |
| Certificate in Hospitality | | 73 | 0 | 0 | | |
| Certificate in Hospitality Operations | | 39 | 0 | 0 | | |
| Certificate in Mechanical Engineering | 161 | | 0 | | | |
| Certificate in Panel Beating & Spray Painting | 50 | | 0 | | | |
| NCC Auto Electronics | | | | | 49 | 132 |
| NCC Heavy Equipment | | | | | 92 | 96 |
| NCC Borehole Mechanic | | | | | 19 | 17 |
| NCC Fitter Machining | | | | | 80 | 15 |
| NCC Maintenance Fitting | | | | | | 107 |
| NCC Automotive Mechanics | | | | | 53 | 63 |
| NCC Welding & Fabrication | | | | | 27 | 65 |
| NCC Penal Beating and Spray Painting | | | | | | 40 |
| Diploma in Electrical & Electronic Engineering | | | 173 | 458 | 105 | 102 |
| Diploma in Building and Civil Engineering | | | | | 120 | 101 |
| Diploma in Geomatics | | | | | 69 | 68 |
| Diploma in Water and Environmental Engineering | | | | | 88 | 86 |
| Diploma I Mechanical Engineering | | | | | 114 | 141 |
| GRAND TOTAL | 822 | 191 | 260 | 717 | 830 | 1,094 |

Table A1.14vi**Student Enrolment trend by TEI and Academic Year-Public institutions
2009/10 – 2014/15**

| BOTSWANA COLLEGE OF DISTANCE AND OPEN LEARNING (BOCODOL) | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| Bachelor in Business and Entrepreneurship | | | | 98 | 95 | 190 |
| Bachelor of Commerce in Human Resources & Labour Relations | | 121 | 1,484 | 1,097 | 238 | 556 |
| Diploma in Business Management | 786 | 564 | 1,640 | 1,484 | 263 | 821 |
| Diploma in Human Resource Management | 500 | 932 | 2,617 | 2,194 | 454 | 1,103 |
| Diploma in Integrated Early Childhood Development | | | | 257 | 128 | 259 |
| Certificate for Distance Education Practitioners | | | | | 24 | 13 |
| Chartered Institute of Purchasing & Supply | | | | | 60 | 62 |
| Certificate in Disaster Management | | | | | 31 | 68 |
| Bachelor of Business Administration (Leadership & Change Management) | | | | | 102 | 196 |
| Certificate in Small Scale Business Management | | | | | | 1 |
| Professional Courses | | | | | 488 | 0 |
| Master of Business Administration | | | | | | 18 |
| Master of Public Administration | | | | | | 16 |
| Master of Education (Educational Leadership) | | | | | | 86 |
| UNDEFINED | | | 44 | | 0 | |
| GRAND TOTAL | 1,286 | 1,617 | 5,785 | 5,130 | 1,883 | 3,389 |

Table A1.14vii

**Student Enrolment trend by TEI and Academic Year-Public institutions
2009/10 – 2014/15**

| BOTSWANA INTERNATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| MSc Analytical Chemistry | | | | | | 1 |
| MEng Civil & Structural Engineering | | | | | | 1 |
| MEng Mining Engineering | | | | | | 1 |
| BEng Computer Engineering | | | | 16 | 32 | 61 |
| BEng Energy Engineering | | | | 28 | 48 | 95 |
| BEng Geological Engineering | | | | 38 | 61 | 113 |
| BEng Mining Engineering | | | | 34 | 53 | 100 |
| BEng Telecommunications Engineering | | | | 36 | 60 | 96 |
| BSc Applied Mathematics | | | | 13 | 22 | 40 |
| BSc Applied Sciences | | | | 32 | 43 | 43 |
| BSc Earth And Environmental Sciences | | | | 22 | 33 | 119 |
| BSc Geology | | | | 31 | 45 | 90 |
| BSc Chemical Science | | | | | | 40 |
| BEng Civil & Environmental Engineering | | | | | | 43 |
| BEng Electrical & Electronics Engineering | | | | | | 35 |
| BSc Computer Science | | | | | | 22 |
| BEng Mechatronics | | | | | | 45 |
| BEng Industrial And Manufacturing Engineering | | | | | | 73 |
| BEng Measurement & Instrumentation | | | | | | 42 |
| BEng Mechanical And Aerospace Engineering | | | | | | 40 |
| BSc Biological Science | | | | | | 43 |
| BSc Information Systems And Data Management | | | | | | 25 |
| BSc Physics | | | | | | 16 |
| BSc Statistics | | | | | | 15 |
| GRAND TOTAL | | | | 265 | 397 | 1,199 |

Table A1.14viii
Student Enrolment trend by TEI and Academic Year-Public institutions
2009/10– 2014/15

| FRANCISTOWN COLLEGE OF TECHNICAL & VOCATIONAL EDUCATION | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|--|---------|---------|---------|---------|---------|---------|
| Advanced Certificate Electrical & Mechanical Engineering | 16 | 32 | 47 | 46 | 31 | |
| Advanced Certificate in Business | 43 | 30 | 0 | | | |
| Advanced Certificate in Business Administration | 0 | 13 | 0 | | | |
| Advanced Certificate in ICT | 30 | 31 | 0 | 16 | | 23 |
| Advanced Certificate in Multimedia | 15 | 31 | 15 | | | 6 |
| Advanced Certificate in ICT & Multimedia | | | | | 36 | |
| BTEF Certificate Building Construction | 14 | 30 | | | | 28 |
| Certificate in KEY SKILLS | | | | 48 | | |
| Certificate in BUILT ENVIRONMENT | | | | 14 | 57 | |
| Certificate in Clothing Design & Textiles | 14 | 30 | 29 | | 107 | |
| Certificate in Hair Dressing & Beauty therapy | 0 | 13 | 32 | 78 | 103 | 69 |
| Certificate in Hospitality | 0 | 16 | 0 | | 35 | |
| Certificate in Hospitality Operations | 32 | 16 | 31 | | | 15 |
| Certificate in Technical And Vocational Education | | | | 99 | | |
| Certificate in travel & tourism | 16 | 32 | 46 | 77 | 69 | 72 |
| Certificate in Teacher Training | | | | | 292 | |
| Certificate in Sports, Recreation and Leisure | | 17 | 17 | 33 | 116 | 58 |
| Diploma in Business Management | | | 42 | 65 | 81 | |
| Diploma in Information & Comm. Technology | | | 31 | 25 | | |
| Diploma in Teacher Training | | | 57 | | | |

Table A1.14viii cont'd.....

| FRANCISTOWN COLLEGE OF TECHNICAL AND VOCATIONAL EDUCATIONG | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| Diploma in Technical & Vocational Education | 54 | 99 | 0 | 89 | 0 | 0 |
| Diploma in ICT & Multimedia | | | | | 58 | |
| Technician Diploma in Building Construction (City & Guilds) | | | | | | 86 |
| National Diploma in Secretarial Studies | | | | | | 59 |
| Diploma in Accommodation and Reception Services | | | | | | 10 |
| Diploma in Culinary Arts | | | | | | 10 |
| Diploma in Food and Beverage | | | | | | 5 |
| Diploma in Systems Administration | | | | | | 30 |
| Diploma in Travel Management | | | | | | 38 |
| Postgraduate Certificate in Technical & Vocational Education and Training | | | | | | 156 |
| Poverty Eradication Practical Programmes | | | | | | 43 |
| GRAND TOTAL | 234 | 390 | 347 | 590 | 985 | 708 |

Table A1.14ix
Student Enrolment trend by TEI and Academic Year-Public institutions
2009/10 – 2014/15

| GABORONE TECHNICAL COLLEGE | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| Advanced certificate in business administration | 67 | | 88 | 101 | | |
| Advanced certificate in information & communication technology | 30 | | 41 | 49 | 28 | 0 |
| Certificate in information & communication technology | | | | | 9 | 0 |
| Certificate in Building Construction | 119 | | 108 | 125 | 135 | 0 |
| Certificate in Clothing Design & Textiles | 15 | | 21 | 28 | 41 | 0 |
| Certificate in Electrical & Mechanical Engineering | 44 | | 45 | 53 | | |
| Certificate in Hairdressing & Beauty Therapy | 68 | | 85 | 93 | 55 | 21 |
| Certificate in Multimedia | 27 | | 33 | 39 | 12 | 16 |
| Certificate in ICT | | | | | | 10 |
| Advanced Certificate in ICT | | | | | | 27 |
| Certificate in hospitality & tourism (City & Guilds) | | | | | 26 | 0 |
| BTEP Certificate in Hospitality Operations | | | | | 16 | 0 |
| BTEP Certificate in Hospitality Operations (Access) | | | | | 10 | 0 |
| BTEP Certificate in Retail Business (Access) | | | | | 10 | 0 |
| BTEP Certificate in travel & tourism | | | | | 64 | 0 |
| Higher National Diploma in Secretarial Studies | | | | | 9 | 7 |
| National Diploma in Secretarial Studies | | | | | 99 | 93 |
| Advanced Certificate in Business Administration | | | | | 29 | 0 |
| Diploma in Electrical Engineering (City & Guilds) | | | | | 57 | 0 |
| National Diploma in Accountancy and Business Studies | | | | | | 96 |

Table A1.14ix Cont'd...

| GABORONE TECHNICAL COLLEGE | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| Diploma in Fashion Design | | | | | | 144 |
| Technician Diploma in Construction | | | | | | 114 |
| Diploma in Tourism Management | | | | | | 56 |
| Diploma in Culinary Arts | | | | | | 19 |
| Diploma in Hospitality Management | | | | | | 25 |
| Diploma in Hospitality Operations | | | | | | 10 |
| Diploma in Retail Business | | | | | | 10 |
| Diploma in ICT | | | | | | 26 |
| Technician Diploma in Electrical & Electronics | | | | | | 157 |
| NCC | 57 | | 46 | 54 | 129 | 0 |
| NCC Electrical | | | | | | 41 |
| NCC Refrigeration | | | | | | 45 |
| GRAND TOTAL | 427 | | 467 | 542 | 729 | 917 |

Table A1.14x
Student Enrolment trend by TEI and Academic Year-Public institutions
2009/10 – 2014/15

| INSTITUTE OF DEVELOPMENT MANAGEMENT | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| AAT | | | | | 318 | 136 |
| CARM | | | 30 | 37 | | 0 |
| Certificate in Archives and Records Administration | | | 41 | 55 | 39 | 43 |
| Certificate in Human Resource Management | | | 92 | 84 | | |
| Certificate in Public Administration and Management | | | 68 | 59 | | |
| CIPS | | | 237 | 247 | | |
| CIPS Professional Diploma | | | | | 81 | 0 |
| CIPS Diploma | | | | | 75 | 0 |
| CIPS Advanced Certificate | | | | | 129 | 0 |
| CIPS Certificate | | | | | 186 | 0 |
| Certificate in Procurement and Supply | | | | | | 76 |
| Advanced Certificate in Procurement and Supply | | | | | | 66 |
| Diploma in Archives Administration And Records | 16 | 31 | 66 | 66 | | 43 |
| Diploma in Computer Studies | 30 | 42 | 109 | 117 | | |
| Diploma in Education Management and Administration | 18 | | 0 | 0 | | |
| Diploma in Educational Management And Administration | 61 | 64 | 157 | 144 | 30 | 0 |
| Diploma in Human Resources Management | 95 | 73 | 75 | 71 | 53 | 80 |
| Diploma in Public Administration And Management | 18 | 57 | 60 | 68 | | |
| Graduate Diploma in Purchasing And Supply (Level 6) | 15 | | 0 | 0 | | |
| Graduate Diploma in Purchasing And Supply (Level5) | 50 | 54 | 0 | 0 | | |
| International Advanced Diploma in Computer Studies | 35 | 35 | 32 | 35 | 12 | 16 |

Table A1.14x Cont'd...

| INSTITUTE OF DEVELOPMENT MANAGEMENT | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|--|------------|------------|--------------|--------------|--------------|------------|
| International Diploma in Business(NCC) | 0 | 33 | 21 | 0 | 16 | 0 |
| Diploma in Project Management | | | | | | 39 |
| Diploma in Public Health | | | | | | 59 |
| Diploma in Procurement and Supply | | | | | | 38 |
| Advanced Diploma in Procurement and Supply | | | | | | 31 |
| Professional Diploma in Procurement and Supply | | | | | | 27 |
| Diploma in Business Studies | | | | | | 20 |
| Bachelor of Accounting | | | | | | 21 |
| Bachelor of Arts Community Development | | | | | | 23 |
| Unclassified | 141 | 161 | 275 | 284 | | |
| GRAND TOTAL | 479 | 550 | 1,263 | 1,296 | 1,263 | 766 |

Table A1.14xi
Student Enrolment trend by TEI and Academic Year-Public institutions
2009/10– 2014/15

OTHER COLLEGES

| BOTSWANA WILDLIFE TRAINING INSTITUTE | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| Diploma in Wildlife Management and Conservation | 183 | 72 | 112 | 119 | 46 | 46 |
| Certificate in Wildlife Management and Conservation | | | | | 49 | 34 |
| Professional Tour Guide | | | | | 19 | 19 |
| Total | 183 | 72 | 112 | 119 | 114 | 99 |
| DEFENCE COMMAND STAFF COLLEGE | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
| Diploma in Defence & Strategic Studies | | | 27 | 28 | 36 | 29 |
| Masters in Defence & Strategic Studies | | | 8 | 8 | 11 | 19 |
| Total | | | 35 | 36 | 47 | 48 |
| GRAND TOTAL | 183 | 72 | 147 | 155 | 161 | 147 |

Table A1.14xii**Student Enrolment trend by TEI and Academic Year-Public institutions 2009/10 – 2014/15**

| UNIVERSITY OF BOTSWANA | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| Bachelor Education (Science) | 295 | 335 | 477 | 381 | 343 | 343 |
| Bachelor of Accountancy | 730 | 772 | 793 | 669 | 703 | 703 |
| Bachelor of Architecture | 89 | 119 | 132 | 124 | 126 | 126 |
| Bachelor of Arts (Chinese Studies) | | | 19 | 30 | 41 | 41 |
| Bachelor of Arts (Criminal Justice Studies) | | 11 | 51 | 76 | 86 | 86 |
| Bachelor of Arts (Humanities) | 2,124 | 2,205 | 2,342 | 1,939 | 1,551 | 1,551 |
| Bachelor of Arts (Library and Information studies) | 38 | 26 | 47 | 70 | 69 | 69 |
| Bachelor of Arts (Media Studies) | | 43 | 80 | 95 | 210 | 210 |
| Bachelor of Arts (Pastoral Studies) | | | | | 5 | 5 |
| Bachelor of Arts (Social Sciences) | 1,367 | 1,430 | 1,578 | 1,441 | 1,434 | 1,434 |
| Bachelor of Business Administration (Entrepreneurship & Enterprise Development) | | | | 10 | 43 | 43 |
| Bachelor of Business Administration (International Business) | | | | 15 | 46 | 46 |
| Bachelor of Business Administration (Logistics & Supply Chain Management) | | | | 11 | 56 | 56 |
| Bachelor of Business Administration (Management) | 517 | 537 | 595 | 533 | 398 | 398 |
| Bachelor of Business Administration (Marketing) | 312 | 323 | 428 | 362 | 557 | 557 |
| Bachelor of Business Administration (Tourism & Hospitality Management) | 72 | 90 | 104 | 93 | 128 | 128 |
| Bachelor of Design (Design & Technology Education) | 93 | 32 | 109 | 93 | 114 | 114 |
| Bachelor of Design (Industrial Design) | 73 | 80 | 97 | 77 | 86 | 86 |
| Bachelor of Education (Adult) | 163 | 126 | 154 | 217 | 226 | 226 |
| Bachelor of Education (Business) | | 41 | 82 | 154 | 167 | 167 |
| Bachelor of Education (Counselling) | 158 | 185 | 227 | 290 | 352 | 352 |

Table A1.14xii Cont'd.....

| UNIVERSITY OF BOTSWANA | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|--|----------------|----------------|----------------|----------------|----------------|----------------|
| Bachelor of Education (Educational Management) | 138 | 140 | 129 | 172 | 160 | 160 |
| BA of Education (Family & Consumer Sciences) | | | | 211 | 264 | 264 |
| Bachelor of Education (Home Economics) | | | | 29 | | |
| Bachelor of Education (Physical) | 268 | 366 | 453 | 583 | 530 | 530 |
| Bachelor of Education (Primary) | 194 | 161 | 134 | 549 | 554 | 554 |
| Bachelor of Education (Secondary) | 77 | 99 | 108 | 608 | 688 | 688 |
| Bachelor of Education (Special) | 225 | 294 | 319 | 463 | 551 | 551 |
| Bachelor of Engineering (Civil Engineering) | 115 | 34 | 157 | 158 | 140 | 140 |
| Bachelor of Engineering (Construction & Engineering Management) | 77 | 30 | 122 | 121 | 122 | 122 |
| Bachelor of Engineering (Electrical And Electronics Engineering) | 97 | 24 | 130 | 123 | 123 | 123 |
| Bachelor of Engineering (Industrial Engineering) | | | 60 | 84 | 79 | 79 |
| Bachelor of Engineering (Mechanical Engineering) | 108 | 33 | 138 | 136 | 132 | 132 |
| BA of Engineering (Mineral Engineering) | | | 36 | 53 | 56 | 56 |
| Bachelor of Finance | 296 | 297 | 372 | 343 | 407 | 407 |
| Bachelor of Fine Arts (Theatre Arts) | | 35 | 54 | 70 | 80 | 80 |
| Bachelor of Geomatics | 39 | 67 | 97 | 104 | 104 | 104 |
| Bachelor of Information Systems (Business Information Systems) | 170 | 201 | 226 | 206 | 238 | 238 |
| Bachelor of Information Systems (Computer Information Systems) | 42 | 51 | 46 | 52 | 87 | 87 |
| Bachelor of Information Systems (Information Management) | 89 | 166 | 166 | 171 | 180 | 180 |
| Bachelor of Laws | 415 | 496 | 513 | 469 | 476 | 476 |
| Bachelor of Library & Information Studies | 85 | 50 | 152 | 187 | 218 | 218 |
| Bachelor of Media Studies | 110 | 129 | 140 | 123 | 144 | 144 |
| Bachelor of Nursing Science (Completion) | 54 | 36 | 26 | 15 | 10 | 10 |

Table A1.14xii Cont'd.....

| UNIVERSITY OF BOTSWANA | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| Bachelor of Nursing Science (Generic) | 202 | 226 | 279 | 264 | 276 | 276 |
| Bachelor of Psychology | 14 | 25 | 14 | 14 | 11 | 11 |
| Bachelor of Science (Applied Geophysics) | | 10 | 18 | 49 | 52 | 52 |
| Bachelor of Science (Computer Science) | 62 | 107 | 158 | 163 | 175 | 175 |
| Bachelor of Science (Computing with Finance) | | | 53 | 113 | 138 | 138 |
| Bachelor of Science (Environmental Health) | 68 | 85 | 96 | 91 | 94 | 94 |
| Bachelor of Science (General) | 1210 | 1094 | 1243 | 1092 | 1102 | 1102 |
| Bachelor of Science (Information Technology) | | 79 | 59 | 80 | 100 | 100 |
| Bachelor of Science (Medical Laboratory Sciences) | | 25 | 8 | 11 | 52 | 52 |
| Bachelor of Science (Mining Engineering) | 41 | 28 | 65 | 66 | 47 | 47 |
| Bachelor of Science (Physics with Meteorology) | | | 8 | 28 | 41 | 41 |
| Bachelor of Science (Radiation and Health Physics) | | | 15 | 35 | 48 | 48 |
| Bachelor of Science (Real Estate) | | | | 12 | 28 | 28 |
| Bachelor of Science (Statistics) | 3 | | 5 | 13 | 12 | 12 |
| Bachelor of Science (Urban & Regional Planning) | 42 | 47 | 51 | 47 | 35 | 35 |
| Bachelor of Science Medical Laboratory Science (Completion) | | | | 9 | | |
| Bachelor of Science (Histo-technology) | | | | | 1 | 1 |
| Bachelor of Social Work | 285 | 303 | 262 | 295 | 276 | 276 |
| Bachelor of Medicine/Surgery (M.B.B.S) | 35 | 83 | 133 | 178 | 230 | 230 |
| Bachelor Degree (Land Management) | | 12 | 33 | 47 | 50 | 50 |
| Certificate in Archives & Records Management | 13 | 2 | 3 | 2 | | |
| Certificate in Land Administration | | 23 | 14 | | | |

Table A1.14xii Cont'd.....

| UNIVERSITY OF BOTSWANA | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| Diploma in Accounting & Business Studies | 1498 | 1527 | 1793 | 1247 | 1030 | 1030 |
| Diploma in Adult Education | 45 | 41 | 64 | 74 | 105 | 105 |
| Diploma in Archives & Records Management | 30 | 23 | 58 | 53 | 58 | 58 |
| Diploma in Criminal Justice Studies | 39 | 40 | 22 | | | |
| Diploma in Defence & Strategic Studies | | 42 | 48 | 55 | 61 | 61 |
| Diploma in Land Management | | | 25 | 33 | 30 | 30 |
| Diploma in Law | 109 | 53 | 19 | | | |
| Diploma in Library Information Studies | 34 | 21 | 72 | 47 | 54 | 54 |
| Diploma in Mineral Engineering | | | 12 | 27 | 34 | 34 |
| Diploma in Mining Engineering | 78 | 97 | 87 | 66 | 55 | 55 |
| Diploma in NGO Management | 11 | 11 | 13 | 13 | 9 | 9 |
| Diploma in Population Studies | 50 | 62 | 43 | 27 | 17 | 17 |
| Diploma in Social Work | 79 | 87 | 77 | 44 | 44 | 44 |
| Diploma in Statistics | | 18 | 93 | 42 | 26 | 26 |
| Diploma in Youth in Development Work | 6 | 5 | 2 | | | |
| Doctor of Philosophy (Adult Education) | 1 | 1 | 1 | 1 | 2 | 2 |
| Doctor of Philosophy (African Language & Literature) | | | 1 | 1 | | |
| Doctor of Philosophy (Applied Microbiology) | 4 | | | | | |
| Doctor of Philosophy (Biological Sciences) | | 4 | 4 | 4 | 8 | 8 |
| Doctor of Philosophy (Business) | | | 2 | 1 | 2 | 2 |
| Doctor of Philosophy (Chemistry) | 5 | 7 | 7 | 6 | 8 | 8 |
| Doctor of Philosophy (Counselling And Human Services) | 7 | 8 | 6 | 3 | 2 | 2 |

Table A1.14xii Cont'd.....

| UNIVERSITY OF BOTSWANA | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| Doctor of Philosophy (Curriculum And Instruction) | 2 | 1 | 1 | | | |
| Doctor of Philosophy (Educational Management) | 5 | 4 | 5 | 3 | 3 | 3 |
| Doctor of Philosophy (Educational Technology) | | | | | 3 | 3 |
| Doctor of Philosophy (English) | | 3 | 1 | 2 | 6 | 6 |
| Doctor of Philosophy (Environmental Science) | 5 | 3 | 4 | 2 | 4 | 4 |
| Doctor of Philosophy (History) | 1 | | | | | |
| Doctor of Philosophy (Library & Information Studies) | 3 | 3 | 2 | 2 | 5 | 5 |
| Doctor of Philosophy (Mathematics) | 7 | | 5 | 4 | 6 | 6 |
| Doctor of Philosophy (Natural Resource Management) | 5 | 1 | 4 | 5 | 9 | 9 |
| Doctor of Philosophy (Physics) | 4 | 6 | 6 | 5 | 4 | 4 |
| Doctor of Philosophy (Social Work) | | | 2 | 2 | 1 | 1 |
| Doctor of Philosophy (Special Education) | | | | | 3 | 3 |
| Doctor of Philosophy (Sports & Recreation Management) | | | | 1 | 1 | 1 |
| Doctor of Philosophy (Statistics) | | | 3 | 4 | 2 | 2 |
| Ma In Urban & Regional Planning | | | | 6 | 3 | 3 |
| Master of Arts (African Languages & Literature) | 17 | 13 | 10 | 8 | 14 | 14 |
| Master of Arts (Development Studies) | 39 | 57 | 37 | 39 | 41 | 41 |
| Master of Arts (Economics) | 21 | 31 | 25 | 20 | 31 | 31 |
| Master of Arts (English) | 23 | 17 | 17 | 17 | 17 | 17 |
| Master of Arts (History) | 11 | 8 | 4 | 2 | 4 | 4 |
| Master of Arts (Population Studies) | 33 | 44 | 32 | 21 | 24 | 24 |
| Master of Arts (Statistics) | 14 | | 16 | 12 | 14 | 14 |
| Master of Arts (Theology & Religious Education) | 21 | 17 | 14 | 14 | 19 | 19 |

Table A1.14xii Cont'd.....

| University of BOTSWANA | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| Master of Arts in Defence & Strategic Studies | | 25 | 22 | 29 | 35 | 35 |
| Master of Development Practice | | 11 | 21 | 27 | 36 | 36 |
| Master of Education (Curriculum and Instruction) | | | | | 26 | 26 |
| Master of Education (Adult Education) | | | | | 27 | 27 |
| Master of Education (Mathematics And Science Education) | 29 | 18 | 20 | 22 | 28 | 28 |
| Master of Laws | 13 | 17 | 18 | 16 | 18 | 18 |
| Master of Library & Information Studies | 29 | 22 | 23 | 24 | 23 | 23 |
| Master of Medicine (Anaesthesia) Degree | | | 6 | 6 | | |
| Master of Medicine (Anatomic Pathology) | | | | | 3 | 3 |
| Master of Medicine (Emergency Medicine) | | | 4 | 7 | 4 | 4 |
| Master of Medicine (Family Medicine) | | | 8 | 14 | 14 | 14 |
| Master of Medicine (Internal Medicine) | | 4 | 8 | 10 | 16 | 16 |
| Master of Medicine (Paediatrics & Adolescent Health) | | 3 | 8 | 13 | 17 | 17 |
| Master of Medicine (Public Health) | | | 5 | 5 | 5 | 5 |
| Master of Nursing (Science) | 37 | 35 | 46 | 50 | 54 | 54 |
| Master of Philosophy (Adult Education) | 1 | 2 | 1 | 1 | 4 | 4 |
| Master of Philosophy (African Language & Literature) | 1 | 1 | 1 | 1 | 2 | 2 |
| Master of Philosophy (Applied Microbiology) | 10 | 29 | | | 11 | 11 |
| Master of Philosophy (Biological Sciences) | | 15 | 8 | 5 | 10 | 10 |
| Master of Philosophy (Business) | | 4 | | | | |
| Master of Philosophy (Chemistry) | 3 | 2 | | 1 | 1 | 1 |
| Master of Philosophy (Computer Information Systems) | | | | | 5 | 5 |

Table A1.14xii Cont'd.....

| UNIVERSITY OF BOTSWANA | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| Master of Philosophy (Counselling And Human Services) | 2 | | 5 | 5 | 4 | 4 |
| Master of Philosophy (Curriculum & Instruction) | 8 | | | 1 | | |
| Master of Philosophy (Curriculum And Instruction) | | | 1 | | 4 | 4 |
| Master of Philosophy (Population Studies) | | | | | 5 | 5 |
| Master of Philosophy (Social Work) | | | | | 2 | 2 |
| Master of Philosophy (Sociology) | | | | | 2 | 2 |
| Master of Philosophy (Economics) | | | 3 | 2 | | |
| Master of Philosophy (Educational Management) | 2 | 5 | 8 | 4 | 5 | 5 |
| Master of Philosophy (Educational Technology) | | 2 | 3 | 3 | 3 | 3 |
| Master of Philosophy (Engineering) | | 7 | 4 | 2 | 6 | 6 |
| Master of Philosophy (English) | 3 | | 1 | 2 | | |
| Master of Philosophy (Environmental Education) | | | | 1 | | |
| Master of Philosophy (Environmental Science) | 7 | 4 | 3 | 5 | 7 | 7 |
| Master of Philosophy (Exercise Science) | | 1 | 1 | | 1 | 1 |
| Master of Philosophy (Family & Consumer Sciences) | 1 | | | | | |
| Master of Philosophy (Food And Nutrition) | | 4 | 2 | 1 | 1 | 1 |
| Master of Philosophy (History) | 1 | | 1 | | | |
| Master of Philosophy (Infant Education) | | 1 | 2 | 1 | | |
| Master of Philosophy (Language Education) | | 3 | 4 | 3 | 2 | 2 |
| Master of Philosophy (Library & Information Studies) | 4 | 2 | 6 | 4 | 7 | 7 |
| Master of Philosophy (Mathematics) | | | 1 | 1 | 2 | 2 |
| Master of Philosophy (Maths & Science Education) | 2 | 2 | 3 | 2 | 5 | 5 |
| Master of Philosophy (Natural Resource Management) | 9 | 7 | 20 | 5 | 13 | 13 |

Table A1.14xii Cont'd.....

| UNIVERSITY OF BOTSWANA | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| Master of Philosophy (Physical Education & Coaching) | | 1 | 1 | 1 | | |
| Master of Philosophy (Physics) | 3 | | | | 1 | 1 |
| Master of Philosophy (Project Management) | | 1 | 1 | 1 | | |
| Master of Philosophy (Public Administration) | | 2 | 1 | 7 | 5 | 5 |
| Master of Philosophy (Research & Evaluation) | 1 | 3 | 6 | 4 | | |
| Master of Philosophy (Social Studies Education) | | 2 | 1 | 1 | 1 | 1 |
| Master of Philosophy (Special Education) | | 4 | 4 | 4 | 1 | 1 |
| Master of Philosophy (Sports & Recreation Management) | | 2 | 1 | | | |
| Master of Philosophy (Statistics) | | | 2 | | 1 | 1 |
| Master of Philosophy (Theology and Religious Studies) | | | 5 | 3 | 8 | 8 |
| Master of Philosophy Political Science | | | | 1 | 1 | 1 |
| Master of Project Management | 57 | 18 | 52 | 48 | | |
| Master of Public Administration (Environmental Resource Management) | 1 | | | | | |
| Master of Public Administration (Human Resource Management) | 60 | 63 | 53 | 45 | 61 | 61 |
| Master of Public Administration (Public Financial Management) | | 2 | 1 | | 1 | 1 |
| Master of Public Administration (Public Policy & Administration) | 4 | 3 | 1 | 5 | 11 | 11 |
| Master of Science (Applied Microbiology) | 10 | 20 | 9 | 12 | 11 | 11 |
| Master of Science (Chemistry) | 12 | 12 | 16 | 19 | 17 | 17 |
| Master of Science (Computer Information Systems) | 34 | 49 | 30 | 42 | 39 | 39 |
| Master of Science (Computer Science) | 17 | 26 | 19 | 20 | 20 | 20 |
| Master of Science (Environmental Science) | 27 | 21 | 34 | 35 | 44 | 44 |
| Master of Science (Hydrogeology) | 9 | 10 | 10 | 14 | 15 | 15 |
| Master of Science (Mathematics) | 10 | | 11 | 13 | 13 | 13 |

Table A1.14xii Cont'd.....

| UNIVERSITY OF BOTSWANA | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| Master of Science (Mechanical Engineering) | 9 | 11 | 9 | 4 | 6 | 6 |
| Master of Science (Physics) | 5 | 6 | 5 | 8 | 6 | 6 |
| Master of Social Work | 69 | 67 | 59 | 53 | 57 | 57 |
| Master's in Politics & International Relations | 38 | 51 | 50 | 50 | 51 | 51 |
| Masters of Archives & Records Management | 41 | 22 | 56 | 62 | 61 | 61 |
| Masters Of BUSINESS ADMINISTRATION | 162 | 147 | 156 | 134 | 193 | 193 |
| Masters Of Business Administration- Modular | | | | 26 | 4 | 4 |
| Masters of Education ((Adult) | 25 | 24 | 24 | 23 | 27 | 27 |
| Masters of Education ((Primary Education) | 10 | 6 | 7 | 9 | 12 | 12 |
| Masters of Education (Counselling And Human Services) | 54 | 50 | 37 | 40 | 46 | 46 |
| Masters of Education (Educational Foundation) | 22 | 24 | 24 | | | |
| Masters of Education (Educational Management) | 53 | 49 | 42 | 45 | 55 | 55 |
| Masters of Education (Family & Consumer Sciences) | 162 | 184 | 212 | | | |
| Masters of Education (Gender Education) | | | | 17 | 18 | 18 |
| Masters of Education (Language Education) | 54 | 67 | 71 | 3 | 6 | 6 |
| Masters of Education (Languages & Social Sciences) | 8 | 7 | 1 | | | |
| Masters of Education (Physical Education) | 33 | 26 | 16 | 24 | 37 | 37 |
| Masters of Education (Religious Education) | 5 | 5 | 2 | 1 | 1 | 1 |
| Masters of Education (Research & Evaluation) | | | | 68 | 92 | 92 |
| Masters of Education (Social Studies Education) | 9 | 6 | 4 | 3 | 3 | 3 |
| Masters of Science (Electrical & Electronics Engineering) | 24 | 17 | 23 | 13 | 17 | 17 |
| Masters of Science (Civil Engineering) | 19 | 18 | 17 | 13 | 20 | 20 |
| MPA (Local Government Management) | | | | 1 | 2 | 2 |

Table A1.14 xii Cont'd....

| UNIVERSITY OF BOTSWANA | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|----------------|----------------|----------------|----------------|----------------|----------------|
| MPhil(Geography Education) | | | 1 | 1 | 1 | 1 |
| PhD (Engineering) | | 1 | 3 | 6 | 4 | 4 |
| PhD (Food & Nutrition) | | | 2 | 2 | 2 | 2 |
| Masters of Education (Social Studies Education) | 9 | 6 | 4 | 3 | 3 | 3 |
| PhD (Gender Education) | 1 | 1 | | | | |
| PhD (Language Education) | | | 1 | | 3 | 3 |
| PhD (Research And Evaluation) | | 5 | 3 | 2 | 6 | 6 |
| Post Graduate Diploma In Education | 137 | 81 | 112 | 215 | 187 | 187 |
| Postgraduate Diploma in Statistics | 1 | | 5 | 2 | 2 | 2 |
| Pre-Medical Programme | 122 | 116 | 141 | 69 | 72 | 72 |
| GRAND TOTAL | 14,305 | 14,941 | 17,678 | 17,701 | 18,176 | 18,176 |

*2013/14 data was used as an estimate of 2014/15

A2

INDICATOR A2

GROSS TERTIARY ENROLMENT RATIO (GTER)

Gross Tertiary Enrolment Ratio (GTER) is an indicator used to measure participation in a given education system. It also indicates the capacity of the education system to accommodate all of its tertiary age group. Statistically, it is used to determine the number of students enrolled in all officially registered local TEIs (i.e. ISCED 5 and 6) regardless of age, expressed as a percentage of the population in the official TE age group (in Botswana TE official group is 18-24 years).

According to UNESCO, the Gross Enrolment Rate at the tertiary level is defined as the number of students enrolled in tertiary education (ISCED level 5 to 8), irrespective of age, expressed as a percentage of the population in the theoretical age group for that level of education. HRDC's definition of tertiary education aligns itself with that of UNESCO and encompasses all post-secondary programmes, undergraduate degrees and/or post graduates degree or any other qualification recognized by the Botswana Qualifications Authority. This GTER can be calculated at different levels e.g., at national level for all TEIs, at institutional and qualification levels (see *Table A2.1*) and (*Chart A2.1*).

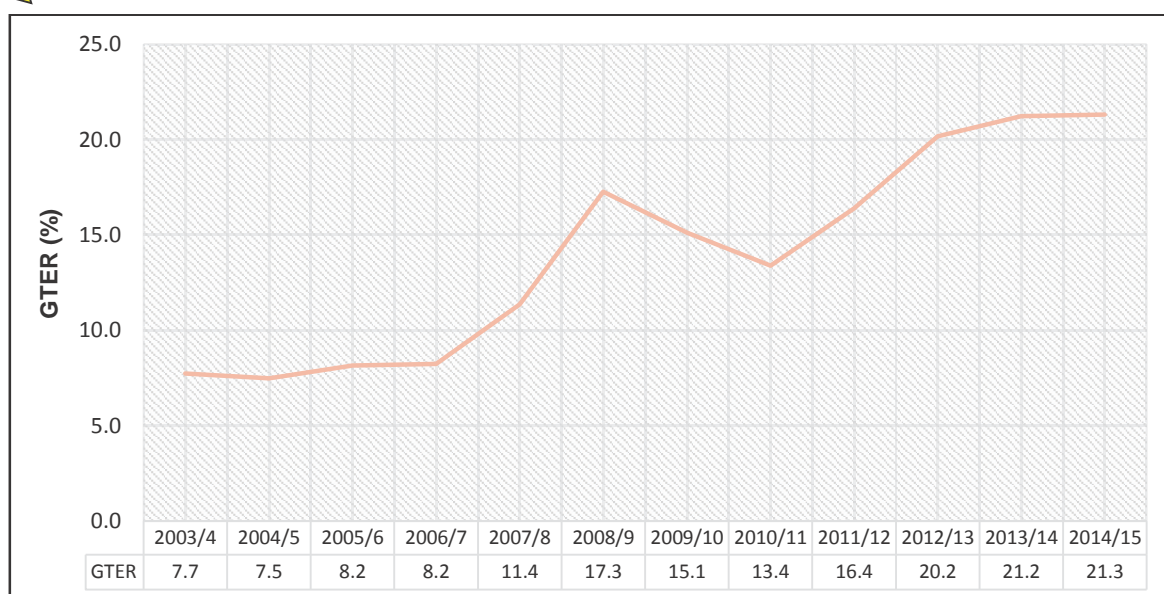
Key results

2014/15 GTER
(18-24 years)

21.3%

Chart A2.1

This graph depicts the GROSS TERTIARY ENROLMENT RATIO for different qualification levels during the period 2003/04 and 2014/15



Source: Tertiary Education Institution's enrolment trends
Refer to Table A2.2

The national participation rate for 'All Qualification Levels' is represented by Chart A2.1, it indicates that learner participation in tertiary education in Botswana has almost remained constant for the consecutive financial years 2013/14 and 2014/15. The participation rate of the local population in tertiary education as reflected in chart A2.1 stood at 21.3%, an increase of 0.1% from 2013/14. Although Botswana has shown improvement in the past decade and the number of tertiary institutions and the number of students enrolled have improved but it is still not consistent with the global ratios for GTER. The average GTER ratio worldwide is considered to be 30%¹¹ and Botswana is lagging behind in it. A low GTER as in the case of Botswana would generally indicates a low degree of participation, whether the students belong to the official age group or not.

Table A2.1

This table shows the Gross Tertiary Enrolment Ratio for the period 2003/4 to 2014/15

| Year | Population (18-24 years) | Total Enrolment | GTER (%) |
|---------|--------------------------|-----------------|----------|
| 2003/04 | 258,646 | 20,011 | 7.7 |
| 2004/05 | 262,602 | 19,655 | 7.5 |
| 2005/06 | 266,650 | 21,738 | 8.2 |
| 2006/07 | 270,361 | 22,257 | 8.2 |
| 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 | 284,282 | 60,583 | 21.3 |

*Source: National Population Projections 2001-2031, Statistics Botswana
Learner Enrolment, Tertiary Education Institutions*

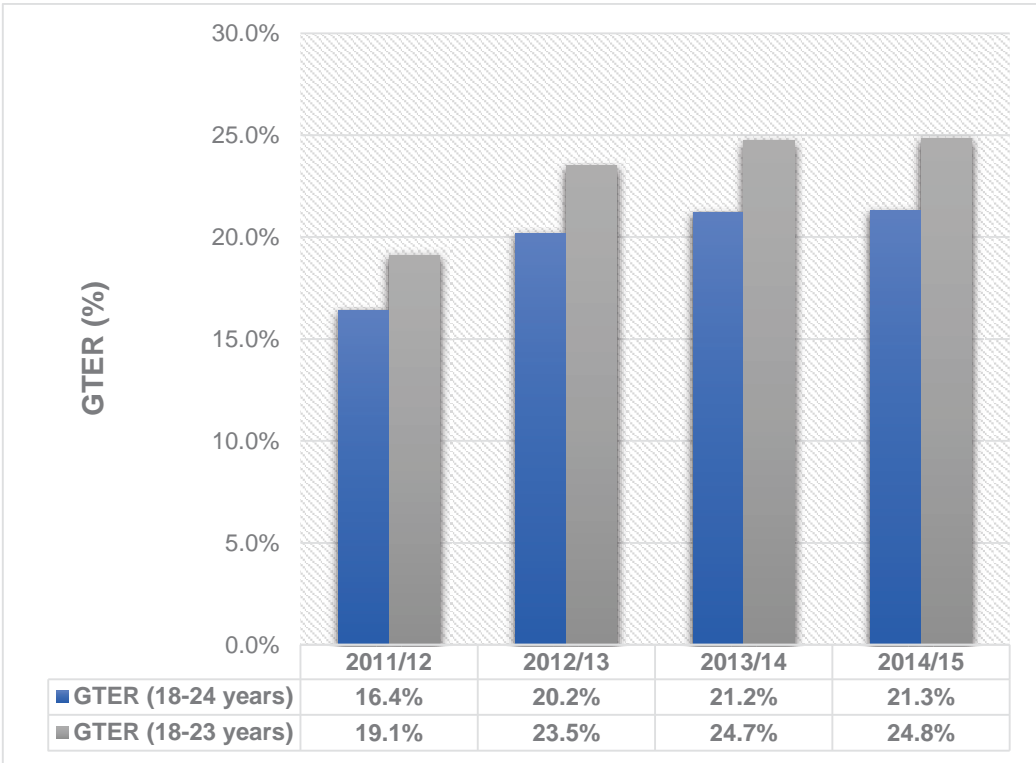
It is to be noted that the GTER is calculated using the total number of all students pursuing higher studies locally, as a percentage of the population age group 18 to 24 years. The 18 – 24 years age category represents an officially recognized tertiary education participation age group and is specific to Botswana only. Comparatively, the GTER for 18 -23 years age category is bound to be higher than the 18 – 24 age category years one (refer to Chart A2:2), because the formula

¹¹ <http://www.giftafuture.org/facts-on-education/>

for calculating the latter uses a higher denominator than the former. It is worth noting that that 18-24 years age group for Botswana is tied to the government sponsorship policy and therefore calculating the GTER using 18 – 23 year olds will yield relatively higher results. For the 18–24 age group, Botswana’s tertiary education compares unfavourably with other countries in the region at similar levels of development.

Chart A2. 2

**GROSS TERTIARY ENROLMENT RATIO COMPARISON
(18-24 Years) & (18-23 Years)**



*Source: National Population Projections 2001-2031, Statistics Botswana
Learner Enrolment, Tertiary Education Institutions*

While the Tertiary Education Council has shown tremendous progress in coordinating and leading the Government’s initiatives in the promotion and support of diverse programmes offered by TE providers to meet the ever-increasing needs of the diverse labour market, more than 50 percent of programmes registered and accredited with the Botswana Qualifications Authority are still Diploma based. Doctoral degrees are only offered in three institutions and this translates that Botswana’s GTER is highly skewed to undergraduates than post graduates programmes. This essentially means that, any effort aimed at increasing access and participation in the local tertiary education, is likely to translate into more enrolment for undergraduate programme at the expense of others, thereby suppressing the participation ratio in research and lifelong learning programmes.

Table A2.2
TEI GTER SHARE (2014/15)

| TEI TYPE2 | TEI NAME | Student Enrolment | TEI GTER Share (18-24years) | TEI Share (18-23years) | GTER (18-23years) |
|-------------------------------------|-----------|-------------------|-----------------------------|------------------------|-------------------|
| Private Institution | ABC | 33 | 0.01% | | 0.01% |
| | ABMUC | 1793 | 0.63% | | 0.73% |
| | BBTI | 292 | 0.10% | | 0.12% |
| | BC | 5928 | 2.09% | | 2.43% |
| | BIUC | 2943 | 1.04% | | 1.21% |
| | BTI | 1972 | 0.69% | | 0.81% |
| | IMPERIAL | 507 | 0.18% | | 0.21% |
| | FMS | 25 | 0.01% | | 0.01% |
| | GAE | 61 | 0.02% | | 0.02% |
| | GIPS | 3186 | 1.12% | | 1.31% |
| | GUCL | 927 | 0.33% | | 0.38% |
| | KGOLAGANO | 103 | 0.04% | | 0.04% |
| | LUCT | 5044 | 1.77% | | 2.07% |
| | MANCOSA | 1053 | 0.37% | | 0.43% |
| | NEWERA | 1958 | 0.69% | | 0.80% |
| GTER SHARE | | 25,825 | 9.08% | | 10.58% |
| College of Education | FCE | 144 | 0.05% | | 0.06% |
| | MCE | 505 | 0.18% | | 0.21% |
| | SCE | 700 | 0.25% | | 0.29% |
| | TCE | 587 | 0.21% | | 0.24% |
| | TKCE | 481 | 0.17% | | 0.20% |
| GTER SHARE | | 2,417 | 0.85% | | 0.99% |
| Institute of Health Sciences | BLSN | 64 | 0.02% | | 0.03% |
| | IHSF | 204 | 0.07% | | 0.08% |
| | IHSG | 352 | 0.12% | | 0.14% |
| | IHSL | 213 | 0.07% | | 0.09% |
| | IHSM | 152 | 0.05% | | 0.06% |
| | IHSS | 229 | 0.08% | | 0.09% |
| | KSDACN | 221 | 0.08% | | 0.09% |
| GTER SHARE | | 1,435 | 0.50% | | 0.59% |
| Other Colleges | BAC | 3276 | 1.15% | | 1.34% |
| | BCA | 1234 | 0.43% | | 0.51% |
| | BOCODOL | 3389 | 1.19% | | 1.39% |
| | BWTI | 99 | 0.03% | | 0.04% |
| | DCSC | 48 | 0.02% | | 0.02% |
| | IDM | 766 | 0.27% | | 0.31% |
| GTER SHARE | | 8,812 | 3.10% | | 3.61% |

Table A2.2 Cont'd...

| TEI TYPE2 | TEI NAME | Student enrolment | TEI GTER Share (18-24 years) | TEI Share (18-23 years) | GTER (18-23 years) |
|--------------------------|----------|-------------------|------------------------------|-------------------------|--------------------|
| Technical College | BCET | 1,094 | 0.38% | | 0.45% |
| | FCTVE | 708 | 0.25% | | 0.29% |
| | GTC | 917 | 0.32% | | 0.38% |
| GTER SHARE | | 2,719 | 0.96% | | 1.11% |
| University | BIUST | 1199 | 0.42% | | 0.49% |
| | UB | 18,176 | 6.39% | | 7.45% |
| University Total | | 19,375 | 6.82% | | 7.94% |
| GRAND TOTAL | | 60,583 | 21.31% | | 24.83% |

Source: Tertiary Education Institutions.

Refer to Appendix 1 for information on ISCED Broad Category and Field of Education Classification.

Refer to Table A1.1 for information on TEI Types.

Refer to Table A1.2 for information on composition of Qualification levels.

Table A2.3
TEI SHARE FOR QUALIFICATION LEVELS - (2014/15)

| QUALIFICATION LEVEL | TEI TYPE2 | 2014/15 |
|-------------------------|-------------------------------|---------|
| CERTIFICATE | Private Institutions | 0.4% |
| | Colleges of Education | 0.0% |
| | Institute of Health Sciences | 0.0% |
| | Technical Colleges | 0.4% |
| | Other Public Colleges | 0.1% |
| | Public Universities | 0.0% |
| | Certificate Total | |
| DIPLOMA | Private Institutions | 3.5% |
| | Colleges of Education | 0.9% |
| | Institute of Health Sciences | 0.5% |
| | Technical College | 0.5% |
| | Other Public Colleges | 1.0% |
| | University | 0.5% |
| | Diploma Total | |
| BACHELORS DEGREE | Private Institutions | 4.6% |
| | Colleges of Education | 0.0% |
| | Institute of Health Sciences | 0.0% |
| | Technical Colleges | 0.0% |
| | Other Public Colleges | 1.4% |
| | Public Universities | 5.6% |
| | Bachelors Degree Total | |
| MASTERS DEGREE | Private Institutions | 0.0% |
| | Colleges of Education | 0.0% |
| | Institute of Health Sciences | 0.0% |
| | Technical Colleges | 0.0% |
| | Other Public Colleges | 0.1% |
| | Public Universities | 0.5% |
| | Masters Total | |
| POST GRADUATE | Private Institutions | 0.0% |
| | Colleges of Education | 0.0% |
| | Institute of Health Sciences | 0.0% |
| | Technical College | 0.1% |
| | Other Public Colleges | 0.1% |
| | University | 0.0% |
| | Post graduate Total | |

Table A2.3 Cont'd...

| QUALIFICATION LEVEL | TEI TYPE2 | 2014/15 |
|--|------------------------------|--------------|
| PROFESSIONAL | Private Institutions | 0.5% |
| | Colleges of Education | 0.0% |
| | Institute of Health Sciences | 0.0% |
| | Technical Colleges | 0.0% |
| | Other Public Colleges | 0.5% |
| Professional Total | | 0.5% |
| National Qualifications TEGER (18-23 years) | | 24.8% |
| National Qualifications TEGER (18-24 years) | | 21.3% |

Source: Tertiary Education Institutions.

Refer to Table A1.1 for information on TEI Types.

Refer to Table A1.2 for information on composition of Qualification levels.

GROSS TERTIARY ENROLMENT RATIO - REGIONAL COMPARISON

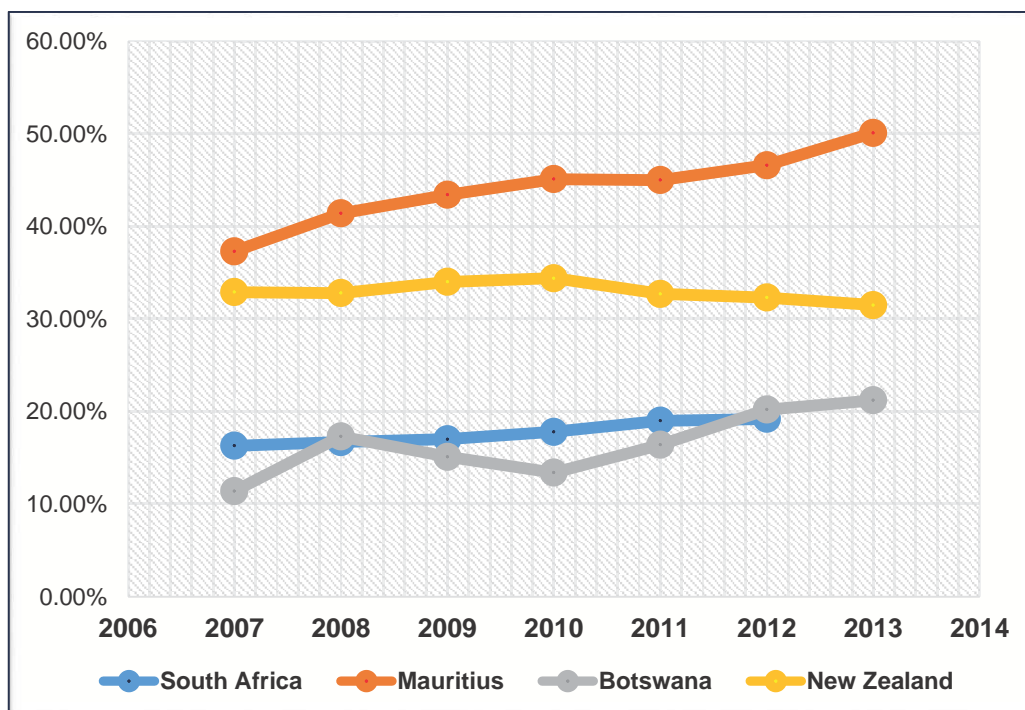
INDICATOR A2

Botswana has experienced growth in enrolment in tertiary education in the past years, however the tertiary participation ratio is still comparatively low (refer to table A2.1). In effect, the GER for Botswana tertiary education grew at a rate of 0.1% for each year between 2013 and 2015. This therefore translates that there are many students who are eligible for tertiary education but do not have access to it and therefore call for policymakers to expand the current system in order to meet the rising demand.

Chart A2.3

Regional Gross Tertiary Enrolment Ratio COMPARISONS: 2007 - 2013

This graph attempts to compare participation rates amongst four countries in the region namely; Botswana, Mauritius, South Africa and New Zealand



*Source: Tertiary Education Council-Botswana
Council on Higher Education -South Africa
Tertiary Education Commission - Mauritius
New Zealand Government Education Count Publication retrieved at:
http://www.educationcounts.govt.nz/statistics/tertiary_education/participation
Refer to Table A2.2*

*** Some of the countries are not using age group (18-24), like Mauritius and New Zealand uses (20-24).**

While Botswana's participation rate has risen significantly between 2007 and 2008, as well as between 2010 and 2012, it remains below Mauritius, New Zealand and South Africa's participation rates (See Table A2.2 A above). These

international comparisons which show that Mauritius's overall participation rate remains relatively high, is often used as a benchmark to highlight the scope for Botswana to lift its tertiary education participation rate. While there exists a need to undertake further research to identify reasons for participation rates differences, it would not be off the notch to conclude that the difference might be on account of policy interests. Different countries undertake varied policy reforms intended to lift participation rates. This notwithstanding, there appears a significant gap between Botswana and South Africa on one hand and Mauritius and New Zealand on the other hand. It is important to note that there are limitations when making regional comparisons concerning tertiary participation levels and they include but not limited to population size and duration of the tertiary programmes.

GLOBAL RANKING IN GROSS TERTIARY EDUCATION ENROLMENT

Table A2.4

Tertiary Education Enrolment Global Ranking

| YEAR COUNTRY | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---------------------|----------|----------|----------|----------|----------|
| | Rank/139 | Rank/142 | Rank/144 | Rank/148 | Rank/144 |
| Finland | 2 | 2 | 3 | 2 | 4 |
| New Zealand | 10 | 9 | 8 | 9 | 12 |
| Sweden | 16 | 17 | 17 | 18 | 27 |
| Canada | 27 | 29 | 35 | 38 | 45 |
| Singapore | 30 | 27 | 19 | 20 | 10 |
| Tunisia | 69 | 69 | - | 71 | 73 |
| Mauritius | 82 | 81 | 82 | 75 | 68 |
| South Africa | 99 | 97 | 101 | 102 | 93 |
| Namibia | 110 | 112 | 115 | 119 | 117 |
| Botswana | 114 | 117 | 119 | 125 | 123 |

Source: Global Competitiveness Report 2010/11 - 2014/15

According to the Global Competitiveness Reports 2010/11 through 2014/15 Finland has been consistently ranking higher than almost all competing economies. Looking at Botswana's situation in the region, the country has been consistently ranking lower than other neighbouring countries like South Africa and Namibia.

TRANSITION FROM SENIOR (UPPER) SECONDARY TO TERTIARY EDUCATION.

Senior Secondary Education, also referred to as “Upper Secondary Education” in ISCED is the highest level (obtained after 12 years of education) in the General Education model of Botswana. It is standardized according to internationally accepted criteria, with those passing its examinations referred to as “Botswana General Certificate of Secondary Education (BGCSE)” eligible to proceed to tertiary education. The number of students who successfully sit for the BGCSE in a given year, will therefore provide an estimate of students who are expected to enter tertiary education realm in the following year.

Key results

Table A3.1

Number of Candidates Who Sat for BGCSE- (2009-2014)

| Year | Candidates in full-time attendance at Government Schools | Candidates in fulltime attendance at Private Schools | Private Candidates* | Total number of candidates |
|------|--|--|---------------------|----------------------------|
| 2014 | 25,186 | 2,932 | 9,266 | 37,384 |
| 2013 | 24,494 | 2,421 | 7,154 | 34,069 |
| 2012 | 23,158 | 3,116 | 5,391 | 31,665 |
| 2011 | 21,240 | 1,868 | 5,594 | 28,702 |
| 2010 | 21,250 | 2,361 | 5,752 | 29,363 |
| 2009 | 23,897 | 1,862 | 5,709 | 31,468 |

Source of Data: Botswana Examination Council

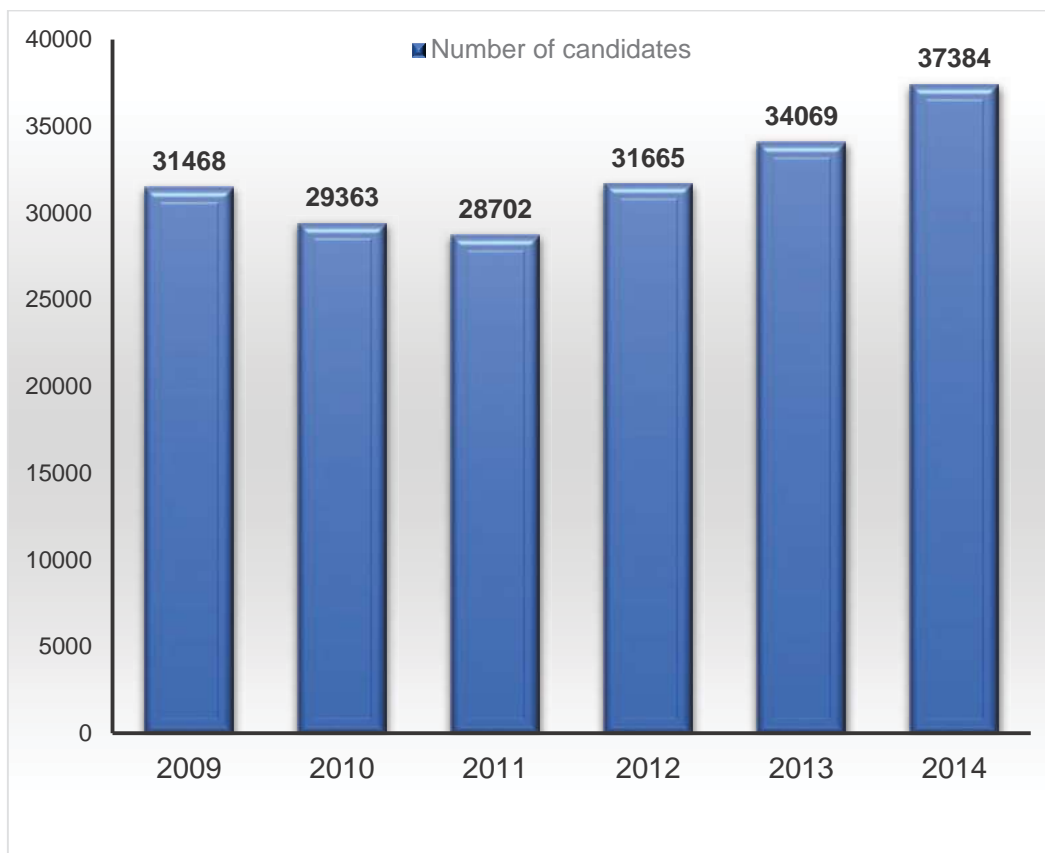
** Private Candidates include independent learners and students from the Botswana College of Distance and Open Learning (BOCODOL).*

Chart A3.1

BGCSE Candidates (2009 – 2014)

INDICATOR A3

This graph depicts the number of students who sat for BGCSE examinations between 2009 and 2014



Source of Data: Botswana Examination Council

** Data includes private Candidates who were registered as either independent learners or students from the Botswana College of Distance and Open Learning (BOCODOL).*

Chart A3.1 shows a fluctuating trend in the number of candidates who registered and sat for Botswana Government Certificate of Secondary Education between 2009 and 2014.

TRANSITION RATE (TR)

TRANSITION RATE FROM SENIOR SECONDARY TO TERTIARY EDUCATION.

This indicator examines the proportion of students who advance or graduate, from upper secondary education level to tertiary education in a given education system. By definition, this is the number of new entrants in the first grade of tertiary education level, divided by number of senior secondary graduate output, expressed as a percentage. The purpose of this indicator is to convey information on the degree of access or transition from one cycle or level of education to a higher one. A high transition rate will indicate a high level of access from one level of education to the next thereby reflecting on the intake capacity of the next level of education. Table A3.2 and chart A3.2 below shows the transition rate from 2013/14 to 2014/15.

Table A3.2

New Intake and Transition Rate by Type of TEIs 2014/15

| <i>Type of Institution</i> | <i>New Intake</i> | <i>Crude Transition Rate¹²</i> |
|-------------------------------|-------------------|---|
| PRIVATE | 10,102 | 29.66% |
| Other Colleges | 4,285 | 12.58% |
| Universities | 4,220 | 12.39% |
| University College | 1,597 | 4.69% |
| PUBLIC | 11,796 | 34.62% |
| Colleges of Education | 786 | 2.31% |
| Institutes of Health Sciences | 537 | 1.58% |
| Other Colleges | 4,111 | 12.07% |
| Technical Colleges | 1,394 | 4.10% |
| Universities | 4,968 | 14.58% |
| Grand Total | 21,898 | 64.28% |

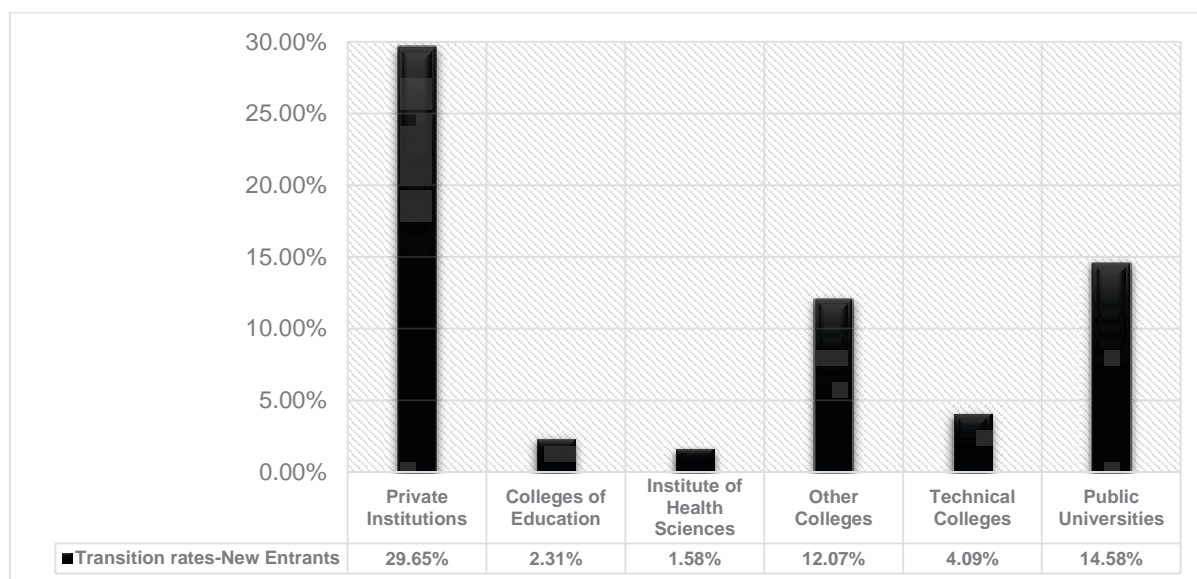
Note: UB data is an estimate of 2013/14.

Refer to Table A1.1 for information on TEI Types.

¹² New intake includes intake from previous cohorts and international students and therefore translates the calculated transition rates into crude transition rates

Chart A3.2
Transition Rates -Upper Secondary to Tertiary Education – 2014/15

This graph shows upper secondary to tertiary education transition rates across the diverse types of institutions for 2014/15. The sum total of these groups of institutions makes the National transition rate.



Source: *Tertiary Education Institutions.*
Refer to Table A1.1 for information on TEI Types.
Refer to Table A3.1 for information on transition rates.

The major branching point in the Botswana educational system comes after upper secondary education examinations (also referred to as BGCSE and its equivalence) where only successful graduation permits entry into tertiary education. Table A3.2 and Chart A3.2 above show that 35.72% upper secondary school graduates do not make it to tertiary level. This high rate signals some difficulties in the bridging between the upper secondary and the tertiary levels of education which could be explained by deficiencies in the examination system and/or other related external factors. The other reason is that there is not enough places for tertiary enrolment as our country is still very much at a developmental stage in this area.

Although it is very difficult to establish the ultimate destination of the unsuccessful BGCSE graduates, Botswana and the world at large seem now to have gradually woken to the reality that the much-hyped tertiary education alone is not enough to make one relevant for today's competitive and globalized labour markets. Increased focus is now on expanding access to vocational and technical education, while seeking to improve the quality of learning services provided. As a result, concerted efforts are therefore taken to ensure that BGCSE graduates who do not straightaway qualify for tertiary education enrol with Brigades and Technical & Vocational centres, albeit their enrolment is not covered in this report.

Other highlights of this indicator

- Approximately 64.28 percent of the students who successfully completed from Botswana General Certificate of Secondary Education subsequently progressed into Tertiary Education Institutions.
- Majority of them (34.62%) seem to have transitioned to public institutions, notably the University of Botswana, while a significant proportion of 29.66 percent enrolled into private tertiary education providers.

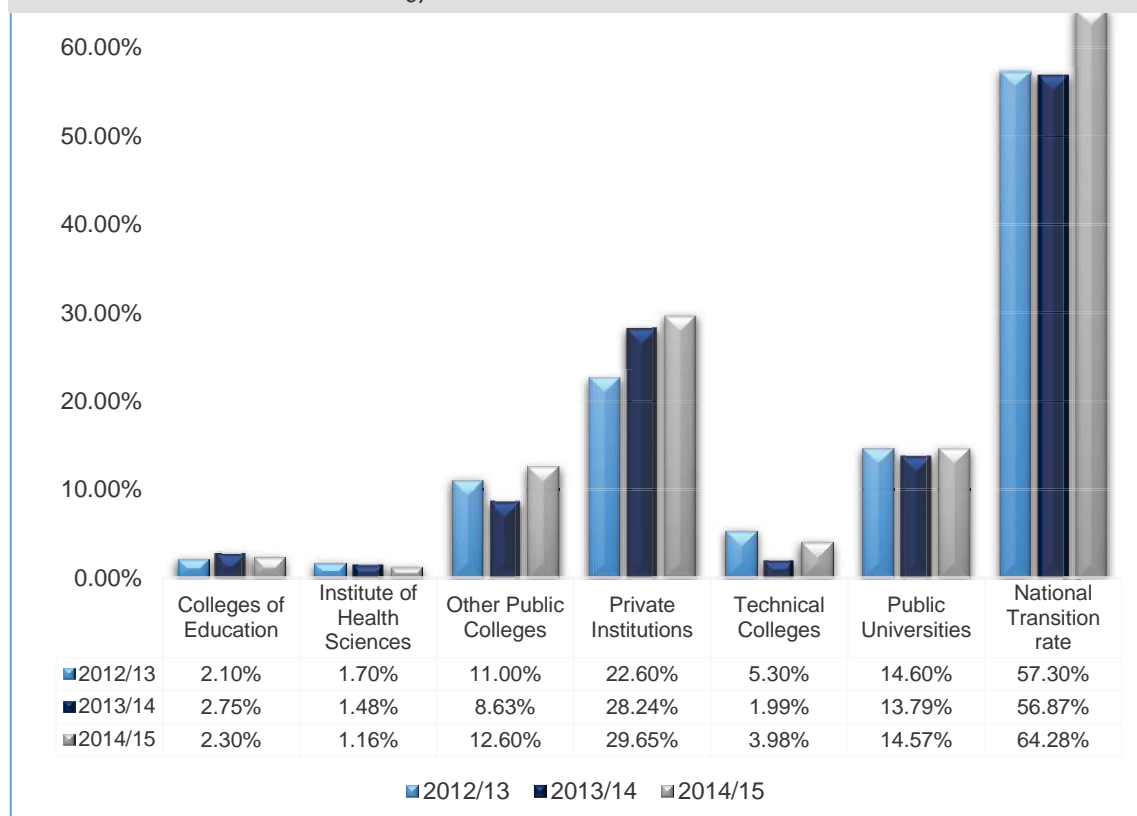
NATIONAL TRANSITION RATE TRENDS (2012-2014)

National transition rate is an estimate of the proportion of people who will enter a specific type of tertiary education programme during their lifetimes. They also indicate the accessibility of tertiary education and the perceived value of attending tertiary programmes, and provide some indication of the degree to which a population is acquiring the high-level skills and knowledge valued by today's labour market.

Chart A3.3

Transition Rates - Upper Secondary to Tertiary Education – (2012/13-2014/15)

This graph shows upper secondary to tertiary education transition rates across the diverse types of institutions from 2012-2014.



A4

INDICATOR A4

BATSWANA STUDENTS STUDYING INTERNATIONALLY

This indicator provides a picture of Botswana tertiary education learner's external mobility, by so doing showcasing the extent of Botswana's contribution to higher education internationally. The guiding principle has been to place Botswana in external institutions only when the programme is specialized, market oriented and not offered in any local institutions. For instance, in science and engineering based subjects. However data on Botswana students not sponsored by Government was not included and therefore this indicator refers to only those placed by the government abroad.

Table A4.1

INTERNAL AND EXTERNAL PLACEMENT BY DTEF: 2014/15

This graph shows the share of students' placement during 2014/15

| Category of Sponsorship | No of Students placed |
|-----------------------------------|-----------------------|
| Local Public Institutions | 4,730 |
| Local Private institutions | 6,162 |
| Progression including BICA group | 791 |
| OVC | 1,824 |
| RAD | 139 |
| Special Education (Local) | 25 |
| PGDE | 346 |
| External-Top Achievers | 150 |
| External -Graduates Top Achievers | 6 |
| External -BSC transfers | 20 |
| External-Scholarships | 30 |
| Progression-BTECH/Hons/Masters | 60 |
| Children of Diplomats | 7 |
| BIUST Candidates | 6 |
| Total | 14,296 |

Source: Department of Tertiary Education Funding

The Table above shows that in 2014/15, 14017 (98.05%) of tertiary education learners were placed in local institutions while 279 (1.95%) of learners were placed externally. As per table A4.2 it can be noted that external placement has been declining over the past ten years. This indicates that the “Study in Botswana” initiative is showing positive results because not only does the initiative cut costs for the Government of Botswana, who is the sole sponsor of TE, but also allows the Government to sponsor more students locally with the money that could have been paid for few students at external institutions. The implication of the numbers in the table is that programmes that used to be available only at external institutions are now available in the local institutions.

Table A4.2
Number of external student placements by country

| | 2003/04 | 2004/05 | 2005/06 | 2006/07 | 2007/08 | 2009/10 | 2011/12 | 2012/13 | 2014/15 |
|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Australia | 164 | 173 | 49 | 64 | 34 | 11 | | 6 | 1 |
| Belgium | | | | | 1 | | | | |
| Canada | 47 | 40 | 68 | 51 | 41 | 10 | 31 | 40 | 13 |
| Caribbean Islands | 1 | 1 | 1 | | | | | | |
| China | 1 | 3 | | 1 | | | | 5 | 8 |
| Commonwealth | | | | | | | | 7 | |
| Cuba | 4 | 2 | 11 | 5 | 5 | 14 | 2 | 3 | 3 |
| Czech Republic | 13 | 10 | 6 | 14 | 10 | | 22 | 21 | 1 |
| England | | | | | | | | | 2 |
| Ghana | 2 | 5 | | 2 | 2 | | | | |
| Grenada | | | | 4 | 16 | 1 | | 7 | |
| ICCR(India)) | | | | | | | | | 1 |
| Ireland | 7 | 12 | 16 | 8 | 7 | 1 | | | |
| Jamaica | 8 | 2 | 2 | 10 | 13 | 1 | | | |
| Japan | | | | | | 1 | 5 | 2 | 3 |
| Kenya | | | | | 3 | | | | |
| Lesotho | | | 1 | 1 | 23 | 5 | | | |
| Malaysia | 26 | 41 | 76 | 367 | 983 | 109 | | | |
| Mauritius | | | | | | | | | 1 |
| Missouri | | | | | | | | | 20 |
| Namibia | 2 | | 1 | 6 | 100 | 86 | | | |
| Norway | 7 | 4 | 6 | | | | | | |

| | | | | | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|------------|------------|------------|------------|
| New Zealand | | | | | | | 4 | | |
| Russia | | 3 | | 5 | 2 | 6 | 16 | 14 | 9 |
| South Africa | 1,766 | 1,603 | 1,661 | 1,557 | 1,373 | 406 | | 2 | 57 |
| Swaziland | 49 | 27 | 14 | 7 | 7 | | | | |
| Switzerland | | | | | | | | | 1 |
| St Georges | | | | | | | 4 | | |
| Thailand | | | | | | 2 | 2 | | |
| Trinidad and Tobago | 28 | 27 | 20 | 16 | 12 | | | | |
| Uganda | | | | | | | | | |
| United Kingdom | 24 | 37 | 61 | 70 | 69 | 7 | 114 | 129 | 69 |
| United States Of America | 17 | 16 | 7 | 18 | 2 | 10 | 19 | 147 | 15 |
| Zimbabwe | 5 | | 5 | | 2 | | | | |
| GRAND TOTAL | 2,171 | 2,006 | 2,005 | 2,206 | 2,706 | 670 | 219 | 383 | 204 |

Source: Student Placement, Ministry of Education and Skills Development

Chapter

B

FINANCIAL AND HUMAN RESOURCES INVESTED IN EDUCATION



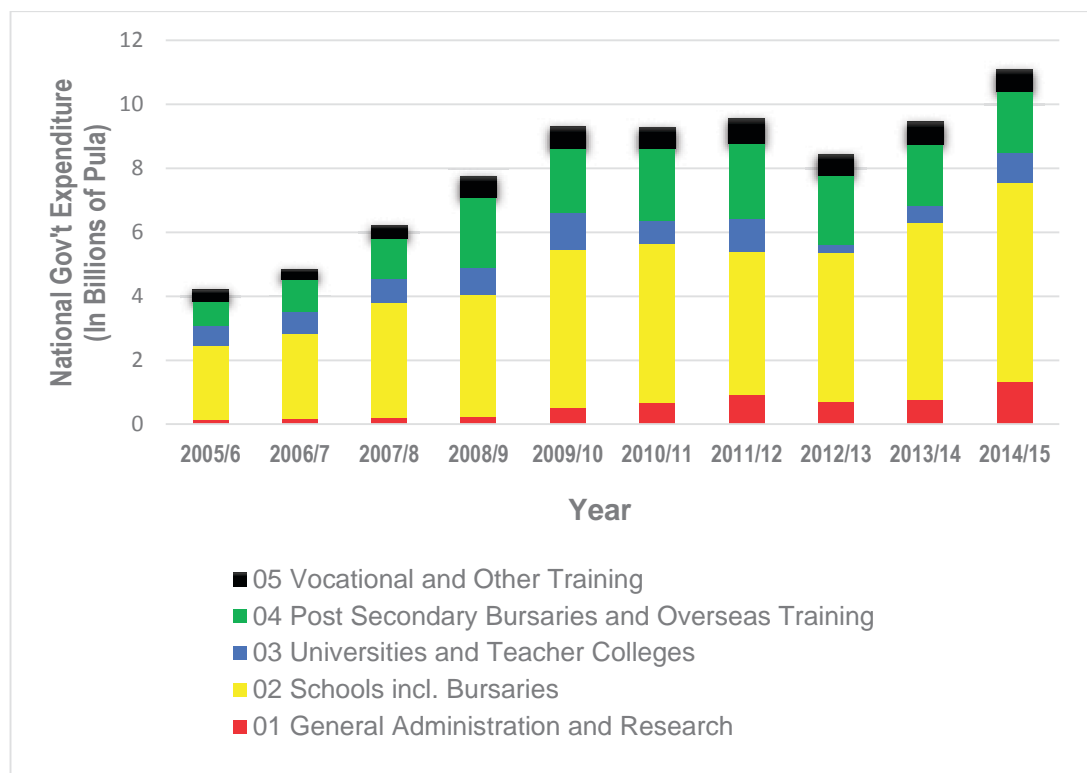
PROPORTION OF NATIONAL WEALTH SPENT ON GENERAL AND TERTIARY EDUCATION.

This indicator examines the extent of investment by Botswana Government on the management, coordination and promotion of the Education Sector. It looks at the various functional classifications under education including the share of tertiary education financing as a percentage of GDP.

Key results

Chart B1.1
Functional Classification of Expenditure and Net Lending on Education
(2005 – 2014)

Estimated Total on National Government expenditure on various classifications making the Education sector.



Source: *Financial Statements, Tables and Estimates of the consolidated and Development Funds Revenues 2014/15, Ministry of Finance and Development Planning, Gaborone, Botswana.*
Refer to Table B1.1, B1.2, B1.3 and B1.4

In order to ensure that TEP objectives are efficiently and effectively implemented; it is crucial that greater priority in terms of resource allocation be given to the Tertiary Education sector. Table B1.1 is a summary of government expenditure on education. It can be seen from the table that a total of 11.103 billion of Pula generated during the financial year was spend on education, hereby giving an indicator on the amount of the public expenditure invested in education.

Table B1.1
GDP and Functional Classification of Education expenditure and net lending by year: (2005 – 2015)

| | 2005/06 | 2006/07 | 2007/08 | 2008/09 | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|
| 1. (GDP in current prices) (Billions of Pula) | 52.409 | 65.694 | 75.992 | 91.776 | 82.548 | 101.258 | 118.491 | 143.712 | 128.502 | 112.730 |
| 2. Education Expenditure (Billions of Pula) | 4.197 | 4.842 | 6.224 | 7.748 | 9.299 | 9.295 | 9.566 | 8.445 | 9.456 | 11.103 |
| 01 General Administration and Research | 0.143 | 0.168 | 0.206 | 0.221 | 0.501 | 0.690 | 0.901 | 0.681 | 0.779 | 1.322 |
| 02 Schools incl. Bursaries | 2.318 | 2.671 | 3.597 | 3.835 | 4.969 | 4.938 | 4.498 | 4.690 | 5.539 | 6.221 |
| 03 Universities and Teacher Colleges | 0.625 | 0.655 | 0.745 | 0.840 | 1.160 | 0.741 | 1.019 | 0.238 | 0.506 | 0.949 |
| 04 Post Secondary Bursaries and Overseas Training | 0.754 | 1.030 | 1.263 | 2.193 | 1.985 | 2.245 | 2.355 | 2.163 | 1.922 | 1.902 |
| 05 Vocational and Other Training | 0.357 | 0.318 | 0.413 | 0.659 | 0.684 | 0.681 | 0.793 | 0.673 | 0.710 | 0.708 |
| 3. Tertiary Education Financing (TEF) (Billions of Pula) | 1.356 | 1.377 | 1.456 | 2.157 | 2.162 | 2.246 | 1.844 | 2.061 | 2.228 | 1.751 |
| % TEF Share of GDP | 2.6% | 2.1% | 1.9% | 2.4% | 2.6% | 2.2% | 1.6% | 1.4% | 1.7% | 1.6% |

| Percentage Share of Expenditure on Education Functional Classifications | 2005/06 | 2006/07 | 2007/08 | 2008/09 | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 01 General Administration and Research | 3.4% | 3.5% | 3.3% | 2.9% | 5.4% | 7.4% | 9.4% | 8.1% | 8.2% | 11.9% |
| 02 Schools incl. Bursaries | 55.2% | 55.2% | 57.8% | 49.5% | 53.4% | 53.1% | 47.0% | 55.5% | 58.6% | 56.0% |
| 03 Universities and Teacher Colleges | 14.9% | 13.5% | 12.0% | 10.8% | 12.5% | 8.0% | 10.7% | 2.8% | 5.4% | 8.54% |
| 04 Post Secondary Bursaries and Overseas Training | 18.0% | 21.3% | 20.3% | 28.3% | 21.3% | 24.2% | 24.6% | 25.6% | 20.3% | 17.13% |
| 05 Vocational and Other Training | 8.5% | 6.6% | 6.6% | 8.5% | 7.4% | 7.3% | 8.3% | 8.0% | 7.5% | 6.38% |
| | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% |

Source: Financial Statements, Tables and Estimates of the consolidated and Development Funds Revenues 201

Table B1.2

Functional Classification of expenditure and net lending by year: (2005/06 – 2014/15)

| | 2005/06 | 2006/07 | 2007/08 | 2008/09 | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 1. General Public Services | 3.822 | 4.112 | 5.081 | 6.768 | 7.378 | 7.313 | 7.981 | 8.297 | 8,201 | 9,799 |
| <i>Recurrent</i> | 3.426 | 3.511 | 4.372 | 5.436 | 5.727 | 6.167 | 6.800 | 7.466 | 7.093 | 8,354 |
| <i>Development</i> | 0.396 | 0.601 | 0.709 | 1.332 | 1.651 | 14.146 | 1.181 | 0.831 | 1,108 | 1,445 |
| 2. Defence | 1.446 | 1.641 | 1.961 | 2.372 | 2.359 | 2.372 | 2.581 | 2.527 | 2.654 | 2.963 |
| <i>Recurrent</i> | 1.238 | 1.354 | 1.484 | 1.909 | 1.879 | 1.857 | 0.991 | 2.021 | 2.022 | 2.336 |
| <i>Development</i> | 0.208 | 0.287 | 0.477 | 0.462 | 0.480 | 0.515 | 0.590 | 0.506 | 0.632 | 0.627 |
| 3. Education | 4.197 | 4.842 | 6.224 | 7.748 | 9.300 | 9.295 | 9.566 | 8.445 | 9,857 | 10,170 |
| <i>Recurrent</i> | 3.801 | 4.391 | 5.150 | 6.818 | 7.475 | 7.641 | 8.903 | 7.863 | 8,703 | 9,288 |
| <i>Development</i> | 0.397 | 0.451 | 1.074 | 0.930 | 0.825 | 1.654 | 0.663 | 0.582 | 1,154 | 0.882 |
| <i>Less Loan Repayments</i> | 00.00033 | 00.00040 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4. Health | 2.056 | 2.227 | 2.639 | 3.040 | 3.372 | 3.318 | 4.849 | 4.513 | 4.819 | 5,693 |
| <i>Recurrent</i> | 0.960 | 1.303 | 1.512 | 1.887 | 2.021 | 2.475 | 3.745 | 4.238 | 4.489 | 5,292 |
| <i>Development</i> | 1.096 | 0.924 | 1.127 | 0.153 | 1.351 | 0.842 | 1.104 | 0.275 | 0.330 | 0.401 |
| <i>Less Loan Repayments</i> | | | | | | | | | 00.030 | 00.038 |
| 5. Food and Social Welfare Programmes | 0.190 | 0.388 | 0.587 | 0.724 | 0.727 | 0.675 | 0.732 | 1.154 | 1.202 | 1.117 |
| <i>Recurrent</i> | 0.054 | 0.342 | 0.341 | 0.413 | 0.389 | 0.384 | 0.387 | 0.418 | 0.970 | 0.877 |
| <i>Development</i> | 0.136 | 0.046 | 0.246 | 0.311 | 0.338 | 0.291 | 0.345 | 0.736 | 0.232 | 0.240 |
| 6. Housing, Urban and Regional Development | 1.083 | 1.302 | 1.881 | 3.104 | 3.480 | 2.741 | 3.310 | 3.544 | 3.606 | 3.008 |
| <i>Recurrent</i> | 0.785 | 0.895 | 1.065 | 1.425 | 1.416 | 1.435 | 1.542 | 1.967 | 1.541 | 1.423 |
| <i>Development</i> | 0.310 | 0.419 | 0.834 | 1.698 | 2.083 | 1.319 | 1.792 | 1.606 | 2,095 | 1.607 |
| <i>Less Loan Repayments</i> | 00.012 | 00.012 | 00.019 | 00.019 | 00.019 | 00.013 | 00.024 | 00.028 | 00.030 | 00.022 |
| 7. Other Community and Social Services | 0.601 | 0.363 | 0.568 | 0.993 | 1.090 | 1.015 | 0.944 | 0.996 | 1,272 | 1,794 |
| <i>Recurrent</i> | 0.543 | 0.321 | 0.468 | 0.582 | 0.748 | 0.778 | 0.835 | 0.870 | 1,129 | 1,433 |
| <i>Development</i> | 0.058 | 0.042 | 0.100 | 0.411 | 0.342 | 0.237 | 0.109 | 0.126 | 0.143 | 0.360 |
| 8. Economic Services | 2.347 | 2.853 | 3.671 | 7.438 | 8.388 | 8.330 | 8.684 | 8.094 | 9,677 | 9,998 |
| <i>Recurrent</i> | 1.460 | 1.829 | 1.976 | 2.455 | 2.681 | 3.059 | 3.215 | 2.724 | 3,278 | 3,375 |
| <i>Development</i> | 1.181 | 1.280 | 1.981 | 5.160 | 4.936 | 5.367 | 5.559 | 5.396 | 6,425 | 6,675 |
| <i>PDSF/RSF Loans</i> | 0.00 | 0.00 | 0.00 | 0.00 | 0.899 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| <i>Less Loan Repayments</i> | 00.294 | 00.256 | 00.286 | 00.177 | 00.128 | 00.096 | 00.090 | 00.026 | 00.025 | 00.053 |
| 9. Unallocated Expenditure | 1.890 | 2.009 | 2.210 | 2.964 | 3.395 | 3.292 | 3.106 | 4.185 | 3,751 | 4.315 |
| <i>Recurrent</i> | 1.890 | 2.009 | 2.210 | 2.964 | 3.395 | 3.292 | 3.106 | 4.185 | 3,751 | 4.315 |
| <i>Development</i> | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total | 17.632 | 19.737 | 24.822 | 35.151 | 39.489 | 38.351 | 41.753 | 41.755 | 45.039 | 48.857 |

Source: Financial Statements, Tables and Estimates of the consolidated and Development Funds Revenues 2014/15, Ministry of Finance and Development Planning, Gaborone, Botswana.

Table B1.3**Functional Classification of expenditure and net lending by year: (2005/06 – 2014/15)**

| | 2005/05 | 2006/07 | 2007/08 | 2008/09 | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 1. General Public Services | 21.7% | 20.8% | 20.5% | 19.3% | 18.7% | 19.1% | 19.1% | 19.9% | 18.2% | 20.1% |
| 2. Defence | 8.2% | 8.3% | 7.9% | 6.7% | 6.0% | 6.2% | 6.2% | 6.1% | 5.9% | 6.1% |
| 3. Education | 23.8% | 24.5% | 25.1% | 22.0% | 23.6% | 24.2% | 22.9% | 20.2% | 21.9% | 20.8% |
| 4. Health | 11.7% | 11.3% | 10.6% | 8.6% | 8.5% | 8.7% | 11.6% | 10.8% | 10.7% | 11.7% |
| 5. Food and Social Welfare Programmes | 1.1% | 2.0% | 2.4% | 2.1% | 1.8% | 1.8% | 1.8% | 2.8% | 2.7% | 2.3% |
| 6. Housing, Urban and Regional Development | 6.1% | 6.6% | 7.6% | 8.8% | 8.8% | 7.1% | 7.9% | 8.5% | 8.0% | 6.2% |
| 7. Other Community and Social Services | 3.4% | 1.8% | 2.3% | 2.8% | 2.8% | 2.6% | 2.3% | 2.4% | 2.8% | 3.7% |
| 8. Economic Services | 13.3% | 14.5% | 14.8% | 21.2% | 21.2% | 21.7% | 20.8% | 19.4% | 21.5% | 20.5% |
| 9. Unallocated Expenditure | 10.7% | 10.2% | 8.9% | 8.4% | 8.6% | 8.6% | 7.4% | 10.0% | 8.3% | 8.8% |
| TOTAL | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

Source: Financial Statements, Tables and Estimates of the consolidated and Development Funds Revenues 2014/15, Ministry of Finance and Development Planning, Gaborone, Botswana.

Table B1.4
Ranking of Functional Classification of expenditure and net lending: (2005/06 – 2014/15)

| | 2005/06 | 2006/07 | 2007/08 | 2008/09 | 2009/10 | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| General Public Services | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 3 |
| Defence | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 |
| Education | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Health | 4 | 4 | 4 | 5 | 6 | 4 | 4 | 4 | 4 | 4 |
| Food and Social Welfare Programmes | 9 | 8 | 8 | 9 | 9 | 9 | 9 | 8 | 8 | 8 |
| Housing, Urban & Regional Development | 7 | 7 | 7 | 4 | 4 | 6 | 5 | 6 | 7 | 7 |
| Other Community & Social Services | 8 | 9 | 9 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| Economic Services | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 2 |
| Unallocated Expenditure | 5 | 5 | 5 | 6 | 5 | 5 | 6 | 5 | 5 | 5 |

Source: Financial Statements, Tables and Estimates of the consolidated and Development Funds Revenues 2014/15, Ministry of Finance and Development Planning, Gaborone, Botswana

Other highlights of this indicator

A considerable proportion of the Ministry of Education and Skills development budget goes to funding schools and associated bursaries accounting for 56.0 percent of the budget which is the majority of expenditure on education. This is followed by post-secondary bursaries and external training at 17.13 percent of the budget, next is expenditure on general administration and research with 11.9 percent, universities and Colleges expenditure and lastly vocational and other training constituting a total of 6.38 percent of the budget. Refer to Table B1.1

The fact that high levels of government expenditure on Education goes to funding schools and Associated bursaries is a clear evidence that the government is committed to providing universal Education to every Motswana as declared in the *1994 Revised National Commission on Education*. This is also revealed in Tables B1.3 and B1.4 as expenditure on education has constantly constituted the biggest share from 2005/06 to date.

Expenditure on education has been rising at a moderate rate over the past years except in 2012/13 when there was a noticeable significant decline from 2011/12. Currently for the financial year 2014/15, expenditure on education stands at P10.170 billion, a 3.2 percent increase from 2013/14. Refer to Table B1.2.

Chapter

C

THE OUTPUT OF EDUCATIONAL INSTITUTIONS AND THE IMPACT OF LEARNING



C1

INDICATOR C1

NUMBER OF TERTIARY EDUCATION GRADUATES.

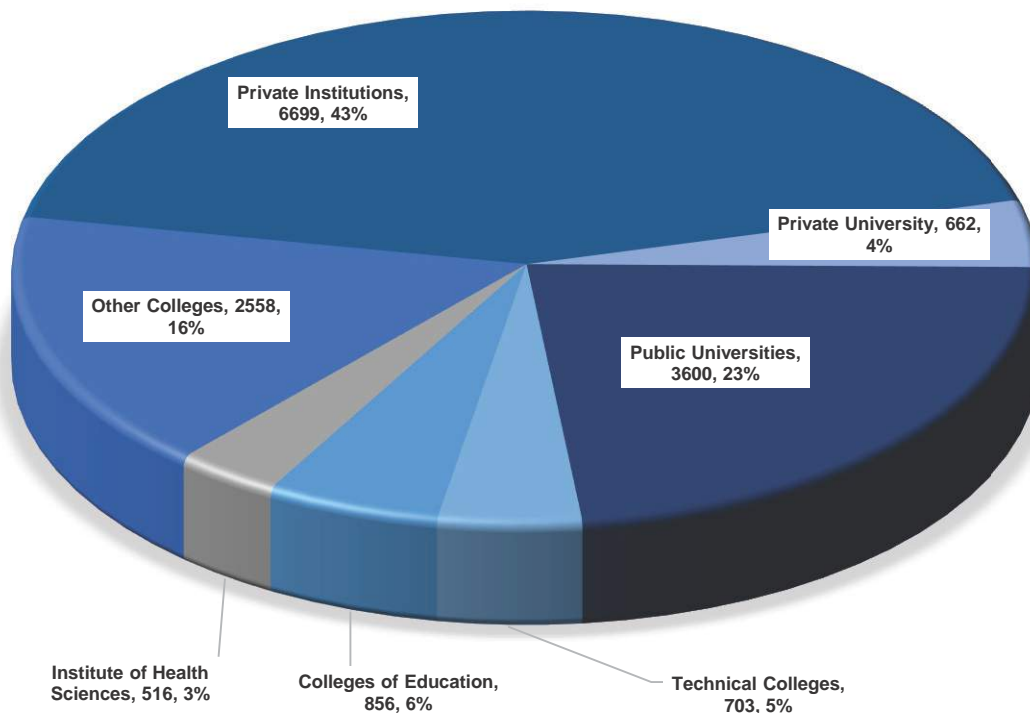
A graduate in the reference period can either be first-time graduate or a repeat graduate. A first-time graduate is a student who has graduated for the first time at a given level of education – or in the case of ISCED 5 and 6, if a student has graduated multiple times over the years, he or she is considered as a graduate each year, but as a first-time graduate only once. In this context, graduates are deemed to be learners who completed their tertiary education in the reference period, either as first timers or more. The indicator will therefore capture the total number of students who have successfully completed their programs from all the recognized tertiary education providers as depicted in Chart C1.1 below.

Key results

Chart C1.1

Graduates by Type of Institution: 2014

Number of Graduates by Type of Institution.



*Source: Tertiary Education Institutions
Refer to Table A1.1 for information on TEI Types.
Refer to Table C2.1, C2.2, C2.3, C2.4 and C2.5*

Table C1.1

Graduates by Type of TEI and Qualification Level – 2014

| TYPE OF INSTITUTION | Certificate | Diploma | Bachelors Degree | Masters Degree | MPhil | PhD | Prof | Unknown | Grand Total |
|------------------------------|--------------|--------------|------------------|----------------|----------|-----------|--------------|-----------|---------------|
| Colleges of Education | | 856 | | | | | | | 856 |
| Institute of Health Sciences | | 516 | | | | | | | 516 |
| Other Colleges | 311 | 545 | 683 | 149 | | | 870 | | 2,558 |
| Private Institutions | 366 | 3,524 | 2,587 | | | | 222 | | 6,699 |
| Private University | 39 | 189 | 434 | | | | | | 662 |
| Public University | 0 | 590 | 2,815 | 177 | 4 | 14 | | | 3,600 |
| Technical Colleges | 393 | 239 | | | | | | 71 | 703 |
| Grand Total | 1,109 | 6,459 | 6,519 | 326 | 4 | 14 | 1,092 | 71 | 15,594 |

Source: Tertiary Education Institutions.

Refer to Table A1.1 for information on TEI Types.

Refer to Table A1.2 for information on composition of Qualification levels.

Table C1.2

Graduates by ISCED Broad Group and Qualification Level – 2014

| ISCED BROAD GROUP | Certificate | Diploma | Bachelors Degree | Masters Degree | MPhil | PhD | Professiona I courses | Unknown | Grand Total |
|---|--------------|--------------|------------------|----------------|----------|-----------|-----------------------|-----------|---------------|
| Agriculture | | 47 | 267 | 11 | | | | | 325 |
| EDUCATION | 315 | 1173 | 1151 | 40 | | 9 | | | 2,688 |
| Engineering, Manufacturing & Construction | 207 | 549 | 237 | 1 | | 1 | | | 995 |
| Health and Welfare | 9 | 1613 | 89 | 10 | | | | | 1,721 |
| Humanities And Arts | 14 | 478 | 1,272 | 14 | | | | | 1,778 |
| Science | 68 | 441 | 1,196 | 25 | | 3 | | | 1,733 |
| Services | 118 | 275 | 454 | 8 | 4 | 1 | | | 860 |
| Social Sciences, Business & Law | 378 | 1,883 | 1,853 | 217 | | | 1092 | | 5,423 |
| Unknown/ Unclassified | | | | | | | | 71 | 71 |
| GRAND TOTAL | 1,109 | 6,459 | 6,519 | 326 | 4 | 14 | 1,092 | 71 | 15,594 |

Table C1.3
Graduates by ISCED Classifications and Qualification Level – 2014

| ISCED BROAD GROUP | ISCED FIELD OF EDUCATION | Cert | Dip | BA | MA | MPhil | PhD | Prof | unknown | Grand Total |
|---|--------------------------------------|--------------|--------------|--------------|------------|----------|-----------|--------------|-----------|---------------|
| AGRICULTURE | Agriculture, Forestry & Fishery | | 47 | 267 | 11 | | | | | 325 |
| EDUCATION | Teacher Training & Education Science | 315 | 1173 | 1151 | 40 | | 9 | | | 2688 |
| ENGINEERING, MANUFACTURING AND CONSTRUCTION | Architecture & Building | 29 | 249 | 210 | | | | | | 488 |
| | Engineering & Engineering Trades | 102 | 248 | 27 | 1 | | 1 | | | 379 |
| | Manufacturing And Processing | 76 | 52 | | | | | | | 128 |
| TOTAL | | 207 | 549 | 237 | 1 | | 1 | | | 995 |
| HEALTH AND WELFARE | Health | | 1406 | 89 | 10 | | | | | 1505 |
| | Social Services | 9 | 207 | | | | | | | 216 |
| TOTAL | | 9 | 1613 | 89 | 10 | | | | | 1721 |
| HUMANITIES AND ARTS | Arts | | 391 | 923 | | | | | | 1314 |
| | Humanities | 14 | 87 | 349 | 14 | | | | | 464 |
| TOTAL | | 14 | 478 | 1272 | 14 | | | | | 1778 |
| SCIENCE | Computing | 68 | 418 | 1051 | 10 | | | | | 1547 |
| | Life Sciences | | 15 | 93 | 3 | | | | | 111 |
| | Mathematics And Statistics | | 8 | 7 | 5 | | | | | 20 |
| | Physical Sciences | | | 45 | 7 | | 3 | | | 55 |
| TOTAL | | 68 | 441 | 1196 | 25 | | 3 | | | 1733 |
| SERVICES | Environmental Protection | 59 | 34 | 53 | 8 | 4 | 1 | | | 159 |
| | Personal Services | 53 | 205 | 375 | | | | | | 633 |
| | Security Services | 6 | 36 | 26 | | | | | | 68 |
| TOTAL | | 118 | 275 | 454 | 8 | | 1 | | | 860 |
| SOCIAL SCIENCES, BUSINESS & LAW | Business And Administration | 214 | 1147 | 1238 | 144 | | | 1092 | | 3835 |
| | Journalism And Information | 8 | 35 | 51 | | | | | | 94 |
| | Law | 4 | 189 | 94 | 7 | | | | | 294 |
| | Social & Behavioural Science | 152 | 512 | 470 | 66 | | | | | 1200 |
| TOTAL | | 334 | 1,879 | 1,853 | 216 | | | 1,092 | | 5,323 |
| UNKNOWN | | | | | | | | | 71 | 71 |
| GRAND TOTAL | | 1,109 | 6,459 | 6,519 | 326 | 4 | 14 | 1,092 | 71 | 15,594 |

Table C1.4

Graduates by Type of TEI, ISCED Broad Group and Qualification Level – 2014

| Type of Institution | ISCED BROAD GROUP | Certificate | Diploma | Bachelors Degree | Masters Degree | MPhil | PhD | PROF | unknown | Grand Total |
|------------------------------|---|-------------|--------------|------------------|----------------|-------|-----|------------|---------|--------------|
| PRIVATE INSTITUTIONS | Education | 145 | 52 | | | | | | | 197 |
| | Engineering, Manufacturing And Construction | 39 | 361 | 164 | | | | | | 564 |
| | Health And Welfare | 9 | 1,109 | | | | | | | 1,118 |
| | Humanities And Arts | | 408 | 880 | | | | | | 1,288 |
| | Science | | 418 | 916 | | | | | | 1,334 |
| | Services | 23 | 241 | 401 | | | | | | 665 |
| | Social Sciences, Business And Law | 189 | 1,124 | 660 | | | | 222 | | 2,195 |
| TOTAL | | 405 | 3,713 | 3,021 | | | | 222 | | 7,361 |
| COLLEGES OF EDUCATION | Education | | 856 | | | | | | | 856 |
| INSTITUTE OF HEALTH SCIENCES | Health And Welfare | | 504 | | | | | | | 504 |
| | Services | | 12 | | | | | | | 12 |
| TOTAL | | | 516 | | | | | | | 516 |
| OTHER COLLEGES | Agriculture | | 47 | 267 | 11 | | | | | 325 |
| | Education | 37 | 53 | | | | | | | 90 |
| | Health And Welfare | | | | | | | | | |
| | Humanities And Arts | 14 | 31 | | | | | | | 45 |
| | Science | 38 | | 110 | | | | | | 148 |

Table C1.4 Cont'd...

| Type of Institution | ISCED BROAD GROUP | Certificate | Diploma | Bachelors Degree | Masters Degree | MPhil | PhD | Prof | unknown | Grand Total |
|---------------------|---|--------------|--------------|------------------|----------------|----------|-----------|--------------|-----------|---------------|
| OTHER COLLEGES | Services | 77 | 22 | | | | | | | 99 |
| | Social Sciences, Business And Law | 145 | 392 | 306 | 138 | | | 870 | | 1,851 |
| TOTAL | | 311 | 545 | 683 | 149 | | | 870 | | 2,558 |
| TECHNICAL COLLEGES | Education | 133 | | | | | | | | 133 |
| | Engineering, Manufacturing And Construction | 168 | 166 | | | | | | | 334 |
| | Science | 30 | 15 | | | | | | | 45 |
| | Services | 18 | | | | | | | | 18 |
| | Social Sciences, Business And Law | 44 | 58 | | | | | | | 102 |
| | Unclassified | | | | | | | | 71 | 71 |
| TOTAL | | 393 | 239 | | | | | | 71 | 703 |
| PUBLIC UNIVERSITY | Education | | 212 | 1151 | 40 | | 9 | | | 1412 |
| | Engineering, Manufacturing And Construction | | 22 | 73 | 1 | | 1 | | | 97 |
| | Health And Welfare | | | 89 | 10 | | | | | 99 |
| | Humanities And Arts | | 39 | 392 | 14 | | | | | 445 |
| | Science | | 8 | 170 | 25 | | 3 | | | 206 |
| | Services | | | 53 | 8 | 4 | 1 | | | 66 |
| | Social Sciences, Business And Law | | 309 | 887 | 79 | | | | | 1,275 |
| TOTAL | | | 590 | 2815 | 177 | 4 | 14 | | | 3,600 |
| GRAND TOTAL | | 1,109 | 6,459 | 6,519 | 326 | 4 | 14 | 1,092 | 71 | 15,594 |

Table C1.5

Graduates by Type of TEI, Qualification and Year: 2009 - 2014

| OTHER LEGAL TYPE | Qua Level | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| PRIVATE INSTITUTIONS | Certificate | | 96 | 88 | 176 | 83 | 405 |
| | Diploma | 3,158 | 3,430 | 2,088 | 881 | 700 | 3,713 |
| | Bachelor's | 322 | 3 | 140 | 606 | 472 | 3,021 |
| | Master's | | | | | | |
| | MPhil | | | | | | |
| | PHD | | | | | | |
| | PGD | | | | | | |
| Professional | | | | | | 1 | 222 |
| | TOTAL | 3,480 | 3,529 | 2,316 | 1,663 | 1,256 | 7,361 |
| COLLEGES OF EDUCATION | Certificate | | | | | | |
| | Diploma | 168 | 766 | 851 | 815 | 1,137 | 856 |
| | Bachelor's | | | | | | |
| | Master's | | | | | | |
| | MPhil | | | | | | |
| | PHD | | | | | | |
| | PGD | | | | | | |
| Professional | | | | | | | |
| | TOTAL | 168 | 766 | 851 | 815 | 1137 | 856 |
| INSTITUTE OF HEALTH SCIENCES | Certificate | | | | | | |
| | Diploma | 133 | 549 | 726 | 528 | 594 | 516 |
| | Bachelor's | | | | | | |
| | Master's | | | | | | |
| | MPhil | | | | | | |
| | PHD | | | | | | |
| | PGD | | | | | | |
| Professional | | | | | | | |
| | TOTAL | 133 | 549 | 726 | 528 | 594 | 516 |
| OTHER COLLEGES | Certificate | 192 | 272 | 343 | 1074 | | 311 |
| | Diploma | 170 | 197 | 367 | 665 | 36 | 545 |
| | Bachelor's | 182 | 169 | 136 | 409 | | 683 |
| | Master's | 0 | 0 | 23 | 197 | 83 | 149 |
| | MPhil | | | | | | |
| | PHD | | | | | | |
| | PGD | | | | | | |
| Professional | | | | | | | 870 |
| | TOTAL | 544 | 638 | 869 | 2,345 | 119 | 2,558 |

Table C1.5 Cont'd...

| OTHER LEGAL TYPE | Qua Level | 2009 | 2010 | 2011 | 2012 | 2013 ¹³ | 2014 |
|--------------------|--------------|--------------|--------------|--------------|--------------|--------------------|---------------|
| TECHNICAL COLLEGES | Certificate | 34 | 47 | 74 | 154 | 239 | 393 |
| | Diploma | 33 | 51 | 9 | 234 | 249 | 239 |
| | Bachelor's | | | | | | |
| | Master's | | | | | | |
| | MPhil | | | | | | |
| | PHD | | | | | | |
| | PGD | | | | | | |
| | Professional | | | | | | 71 |
| | TOTAL | 67 | 98 | 83 | 388 | 488 | 703 |
| PUBLIC UNIVERSITY | Certificate | 79 | 64 | 122 | 30 | 11 | 0 |
| | Diploma | 578 | 621 | 608 | 446 | 449 | 590 |
| | Bachelor's | 1,899 | 1,846 | 1,840 | 1,587 | 2,007 | 2,815 |
| | Master's | 186 | 215 | 194 | 175 | 155 | 177 |
| | MPhil | 4 | 2 | 9 | 3 | 3 | 4 |
| | PGD | 160 | 120 | 68 | | 200 | |
| | PhD | 8 | 6 | 9 | 3 | 12 | 14 |
| | TOTAL | 2,914 | 2,874 | 2,850 | 2,244 | 2,837 | 3,600 |
| GRAND TOTAL | | 7,306 | 8,454 | 7,695 | 7,983 | 6,431 | 15,594 |

¹³ Graduates data for 2013 was available for the following 23 institutions:

Private Institutions :Ba Isago University College (BIUC), Boitekanelo Training Institute (BTI),Botho University (BU),Flying Mission School (FMS), Gaborone Academy of Education (GAE), Gaborone Universal College of Law (GUCL).

Colleges of Education: Francistown College of Education (FCE), Molepolole College of Education (MCE), Serowe College of Education (SCE), Tonota College of Education (TCE).

Institute of Health Science : Bamalete Lutheran School of Nursing (BLSN), Francistown Institute of Health Science (IHSF), Gaborone Institute of Health Sciences (IHSG), Lobatse Institute of Health Sciences (IHSL), Molepolole Institute of Health Sciences (IHSM), Serowe Institute of Health Sciences (IHSS) and Kanye Seventh Day Adventist School of Nursing (KSDASN).

Technical Colleges: Botswana College of Engineering and Technology (BCET), Francistown College of Technical and Vocational Education (FCTVE) and Gaborone Technical College

Other Colleges: Botswana Accountancy College (BAC) and Defence Command Staff College (DCSC).

Public University: University of Botswana (UB).

Table C1.6
Graduates by ISCED Broad Group, Qualification and Year: 2009 – 2014

| ISCED BROAD GROUP | Qua Level | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--|------------------|------------|--------------|--------------|--------------|--------------|--------------|
| AGRICULTURE | Certificate | | | | | | |
| | Diploma | 80 | 48 | 44 | 25 | | 47 |
| | Bachelors Degree | 182 | 169 | 136 | 139 | | 267 |
| | Masters Degree | | | 5 | 3 | | 11 |
| | MPhil | | | | | | |
| | PHD | | | | | | |
| | PGD | | | | | | |
| | TOTAL | 262 | 217 | 185 | 167 | | 325 |
| EDUCATION | Certificate | 0 | 17 | 9 | 81 | 187 | 315 |
| | Diploma | 190 | 967 | 926 | 1213 | 1180 | 1173 |
| | Bachelors Degree | 389 | 418 | 340 | 360 | 439 | 1151 |
| | Masters Degree | 54 | 58 | 46 | 33 | 43 | 40 |
| | MPhil | | | | | | |
| | PHD | 0 | 3 | 3 | 2 | 1 | 9 |
| | PGD | 160 | 120 | 68 | | 199 | |
| | TOTAL | 793 | 1,583 | 1,392 | 1,689 | 2,049 | 2,688 |
| ENGINEERING, MANUFACTURING AND CONSTRUCTION | Certificate | 88 | 71 | 133 | 34 | 90 | 207 |
| | Diploma | 213 | 224 | 365 | 259 | 209 | 549 |
| | Bachelors Degree | 106 | 117 | 129 | 197 | 87 | 237 |
| | Masters Degree | 4 | 7 | 5 | 7 | 2 | 1 |
| | MPhil | | | | | 1 | |
| | PhD | | | | | 1 | 1 |
| | PGD | | | | | 0 | |
| | TOTAL | 411 | 419 | 632 | 497 | 390 | 995 |
| HEALTH AND WELFARE | Certificate | 0 | 8 | 10 | | | 9 |
| | Diploma | 155 | 579 | 758 | 573 | 913 | 1,613 |
| | Bachelors Degree | 130 | 149 | 181 | 90 | 61 | 89 |
| | Masters Degree | 8 | 14 | 7 | 20 | 4 | 10 |
| | MPhil | | | | | | |
| | PHD | | | | | | |
| | PGD | | | | | | |
| | TOTAL | 293 | 750 | 956 | 683 | 978 | 1,721 |
| HUMANITIES AND ARTS | Certificate | 0 | 34 | 10 | 0 | 4 | 14 |
| | Diploma | 413 | 373 | 483 | 121 | 49 | 478 |
| | Bachelors Degree | 476 | 356 | 336 | 337 | 461 | 1,272 |
| | Masters Degree | 13 | 8 | 7 | 3 | 12 | 14 |
| | MPhil | | | 1 | 3 | | 0 |
| | PhD | 0 | 1 | | 1 | 1 | 0 |
| | PGD | | | | | | |
| | TOTAL | 902 | 772 | 837 | 465 | 527 | 1,778 |

Table C1.6 Cont'd...

| ISCED BROAD GROUP | Qua Level | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|-----------------------------------|------------------|--------------|--------------|--------------|--------------|--------------|---------------|
| SCIENCE | Certificate | 24 | 35 | 45 | 347 | | 68 |
| | Diploma | 359 | 297 | 384 | 256 | 218 | 441 |
| | Bachelors Degree | 277 | 138 | 233 | 510 | 608 | 1,196 |
| | Masters Degree | 18 | 21 | 22 | 12 | 11 | 25 |
| | MPhil | 4 | 2 | 8 | | 1 | |
| | PhD | 5 | 2 | 5 | | 6 | 3 |
| | PGD | | | | | 1 | |
| | TOTAL | 687 | 495 | 697 | 1125 | 845 | 1,733 |
| SERVICES | Certificate | 13 | | | 55 | 30 | 118 |
| | Diploma | 643 | 559 | 289 | 88 | 36 | 275 |
| | Bachelors Degree | 89 | 13 | 24 | 94 | 56 | 454 |
| | Masters Degree | 1 | 1 | | 1 | 1 | 8 |
| | MPhil | | | | | | 4 |
| | PhD | | | | | 1 | 1 |
| | PGD | | | | | | |
| | TOTAL | 746 | 573 | 313 | 238 | 124 | 860 |
| SOCIAL SCIENCES, BUSINESS AND LAW | Certificate | 180 | 314 | 420 | 917 | 11 | 378 |
| | Diploma | 2,187 | 2,567 | 1,400 | 1,034 | 558 | 1,883 |
| | Bachelors Degree | 754 | 658 | 737 | 875 | 767 | 1,853 |
| | Masters Degree | 88 | 106 | 125 | 293 | 163 | 217 |
| | MPhil | | | | | | |
| | PhD | 3 | 0 | 1 | | | |
| | PGD | | | | | | |
| | Professional | | | | | 12 | 1,092 |
| | TOTAL | 3,212 | 3,645 | 2,683 | 3,119 | 1,511 | 5,423 |
| UNKNOWN | Unknown | | | | | 7 | 71 |
| GRAND TOTAL | | 7,306 | 8,454 | 7,695 | 7,983 | 6,431 | 15,594 |

GRADUATES BY TEI AND PROGRAMME: 2009-2014 (PRIVATE INSTITUTIONS)

Table C2.1

ABM UNIVERSITY COLLEGE Graduates by Programmes: 2009 – 2014

| PROGRAMMES OFFERED | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|------|------|------|------|------|------|
| Advanced Diploma In Accounting And Finance | | 43 | | 4 | | 30 |
| Advanced Diploma In Advertising & Public Relations | | 0 | | 1 | | |
| Advanced Diploma In Business Information Systems | | 3 | | 3 | | 39 |
| Advanced Diploma in Business Management | | 3 | | 26 | | 65 |
| Advanced Diploma in Computer Systems Engineering & Hardware Maintenance | | 29 | | | | |
| Advanced Diploma In Electrical & Electronic Engineering | | 2 | | 16 | | 4 |
| Advanced Diploma in Financial Management | | 0 | | 38 | | 100 |
| Advanced Diploma in Human Resource Management | | 15 | | 18 | | 112 |
| Advanced Diploma In Marketing | | 0 | | 29 | | 11 |
| Advanced Diploma In Marketing, Advertising And Public Relations | | 176 | | | | |
| Advanced Diploma in Purchasing And Supply Management | | 75 | | | | |
| Advanced Diploma in Secretarial Studies | | | | | | 44 |
| Advanced Diploma In Tourism& Hospitality | | 0 | | 7 | | |
| Advanced Diploma In Travel, Tourism & Hospitality Management | | 20 | | 0 | | 24 |
| Certificate in Business Management | | 1 | | | | |
| Certificate in Financial Management | | 0 | | 1 | | |
| Certificate in Human Resource Management | | 6 | | 5 | | |
| Certificate in Marketing Management | | | | | | 3 |

Table C2.1 Cont'd...

| PROGRAMMES OFFERED | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|
| Certificate in Secretarial Studies | | 28 | | 22 | | 4 |
| Diploma in Business Management | | 1 | | 5 | | 22 |
| Diploma in Electrical & Electronic Engineering | | 0 | | 5 | | |
| Diploma in Financial Management | | | | | | 1 |
| Diploma in Human Resource Management | | 0 | | 48 | | 41 |
| Diploma in Marketing Management | | | | | | 8 |
| Diploma in Purchasing And Supply Management | | 6 | | | | |
| Diploma in Secretarial Studies | | 36 | | 35 | | 24 |
| Diploma In Travel, Tourism & Hospitality Management | | 1 | | | | |
| Degree in Business Management | | | | | | 36 |
| Degree in Human Resource Management | | | | | | 47 |
| Degree in Marketing Management | | | | | | 117 |
| Degree In Tourism Management | | | | | | 8 |
| GRAND TOTAL | | 445 | | 263 | | 740 |

Table C2.2

BA ISAGO UNIVERSITY COLLEGE Graduates by Programmes: 2009 – 2014

| PROGRAMMES OFFERED | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| BCOM Entrepreneurship | | 0 | 3 | 3 | 9 | 11 |
| BCOM Risk Management | | 0 | 6 | 14 | 6 | 8 |
| BCOM Strategic Supply | | 0 | 5 | 0 | 3 | 5 |
| Certificate in Law | | 7 | 7 | 2 | 0 | 4 |
| Certificate in Real Estate | | 16 | 49 | 76 | 14 | 29 |
| Certificate in Human Resource Management | | | | | | 11 |
| Certified Accounting Technician | | 31 | 31 | 43 | 11 | 34 |
| Foundation and Intermediate Certificate for Deputy Sheriffs and Court Bailiffs | | 7 | 1 | 0 | 0 | |
| Human Resource Management | | 0 | 0 | 5 | 0 | 11 |
| National Diploma in Real Estate | | 0 | 12 | 1 | 0 | |
| National Diploma in Safety Management | | 0 | 33 | 21 | 21 | 36 |
| National Diploma in Strategic Management | | 0 | 0 | 0 | 0 | |
| National Professional Diploma in Education | | 177 | 66 | 0 | 38 | 52 |
| Diploma in Court Administration | | 0 | 0 | 0 | 28 | 28 |
| BTECH safety Management (UNISA) | | 0 | 0 | 0 | 17 | 26 |
| Certificate In Vocational Education & Training | | 0 | 0 | 0 | 26 | 26 |
| GRAND TOTAL | | 238 | 213 | 165 | 163 | 282 |

Table C2.3

BOITEKANELO COLLEGE Graduates by Programmes: 2009 – 2014

| PROGRAMMES OFFERED | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--|------|------|------|------|------------|--------------|
| Diploma in Public Health and Occupational Health | | | | | 103 | 292 |
| Diploma in Health Promotion and education | | | | | 60 | 177 |
| Diploma in Health care management | | | | | 59 | 191 |
| Diploma in Emergency medical care | | | | | 52 | 242 |
| Diploma Counselling | | | | | 60 | 207 |
| GRAND TOTAL | | | | | 334 | 1,109 |

Table C2.4

BOSA BOSELE TRAINING INSTITUTE Graduates by Programmes: 2009 – 2014

| PROGRAMMES OFFERED | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|------|------|------|------|------|------------|
| Certificate in Social work | | | | | | 120 |
| Certificate in Early Childhood Education | | | | | | 80 |
| Certificate in HIV/AIDS Care & Counselling | | | | | | 9 |
| Certificate in Security Risk & Loss Control | | | | | | 6 |
| Certificate in Journalism and Media Studies | | | | | | 8 |
| GRAND TOTAL | | | | | | 223 |

Table C2.5

BOTHO UNIVERSITY Graduates by Programmes: 2009 – 2014

| PROGRAMMES OFFERED | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| BSc (Honours) Computing | 0 | 0 | 28 | 15 | 324 | 324 |
| BSC (Honours) Computing And Its Practice | 0 | 0 | 13 | 75 | 113 | 110 |
| DNIIT (Network Engineering) Microsoft Technologies | 0 | 0 | 83 | 0 | 0 | |
| DNIIT (Software Engineering) Microsoft Technologies | 0 | 0 | 61 | 0 | 0 | |
| DNIIT Honours (Network Engineering) Microsoft Technologies | 0 | 0 | 30 | 0 | 0 | |
| Post Graduate Certificate In Higher Education | 0 | 0 | 0 | 22 | 26 | 39 |
| Professional Diploma, Honours In Information Technology | 0 | 0 | 0 | 133 | 189 | 189 |
| GRAND TOTAL | 0 | 0 | 213 | 245 | 652 | 662 |

Table C2.6

IMPERIAL SCHOOL OF BUSINESS Graduates by Programmes: 2009 – 2014

| PROGRAMMES OFFERED | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--|------|------|------|------|------|------------|
| Association of Accounting Technicians | | | | | | 151 |
| Advanced Diploma In Travel, Tourism And Hospitality Management | | | | | | 51 |
| Advanced Diploma In Business Management | | | | | | 36 |
| Advanced Diploma In Marketing Management | | | | | | 43 |
| Advanced Diploma In Marketing, Advertising And Public Relations Management | | | | | | 7 |
| Diploma In Business Skills | | | | | | 22 |
| Advanced Diploma In Human Resource Management | | | | | | 26 |
| BBA(Hons) Finance And Banking | | | | | | 16 |
| GRAND TOTAL | | | | | | 352 |

Table C2.7

GABORONE ACADEMY OF EDUCATION graduates by Programmes: 2009 – 2014

| PROGRAMMES OFFERED | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--|------|------|------|------|----------|-----------|
| ATTL4 | | | | | 1 | 11 |
| Business Skills | | | | | 2 | 2 |
| Business Studies | | | | | | 4 |
| Human Resource Management | | | | | | 6 |
| Marketing Advertising & Public Relations | | | | | 2 | 16 |
| Project Management | | | | | 2 | |
| Business Management | | | | | 1 | |
| GRAND TOTAL | | | | | 8 | 39 |

Table C2.8

GABORONE INSTITUTE OF PROFESSIONAL STUDIES
Graduates by Programmes: 2009 – 2014

| PROGRAMMES OFFERED | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|
| Diploma in Human Resource Management | | | | | | 91 |
| Diploma in Business Management | | | | | | 35 |
| Diploma in Sales & Marketing | | | | | | 5 |
| Diploma in Accounting | | | | | | 10 |
| Advanced Diploma in Computing | | | | | | 24 |
| AAT Diploma in Accounting | | | | | | 26 |
| BSc (Hons) in Business Information Technology | | | | | | 10 |
| Advanced Diploma in Business Skills | | | | | | 43 |
| Diploma in Sales & Marketing | | | | | | 8 |
| GRAND TOTAL | | | | | | 252 |

Table C2.9
LIMKOKWING UNIVERSITY COLLEGE OF CREATIVE ARTS & TECHNOLOGY
Graduates by Programmes: 2009 – 2014

| PROGRAMMES OFFERED | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|------|------|------|------|------|------|
| Associate Degree in Architecture | | | | | | 86 |
| Associate Degree in Advertising | | | | | | 58 |
| BA (Hons) Broadcasting & Journalism | | | | | | 259 |
| BA (Hons) in Creative Multimedia | | | | | | 81 |
| BA(Hons) Digital Film & TV Production | | | | | | 66 |
| BA(Hons) Events Management | | | | | | 151 |
| BA in Interior Architecture | | | | | | 164 |
| BA(Hons) in Industrial Design | | | | | | 162 |
| BA(Hons) Professional Communication | | | | | | 73 |
| Bachelor of Business (Hons) in Entrepreneurship | | | | | | 245 |
| Bachelor of Business (Hons) in International Business | | | | | | 175 |
| Bachelor of Business (Hons) in Tourism Management | | | | | | 367 |
| Bachelor of Design (Hons) in Professional Design | | | | | | 88 |
| Associate Degree in Business Information Systems | | | | | | 82 |
| Associate Degree in Business Information Technology | | | | | | 4 |
| Associate Degree in Business Management | | | | | | 65 |
| Associate Degree in Broadcasting (TV & Radio) | | | | | | 206 |
| BSc (Hons) in Electronic Commerce | | | | | | 176 |
| BSc (Hons) in Information Technology | | | | | | 194 |
| BSc (Hons) in Software Engineering Multimedia | | | | | | 102 |
| Associate Degree in Creative Multimedia | | | | | | 3 |

Table C2.9 Cont'd...

| PROGRAMMES OFFERED | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|-------------|-------------|-------------|-------------|-------------|--------------|
| Associate Degree in Creative Writing | | | | | | 1 |
| Associate Degree in Digital Photography | | | | | | 11 |
| Associate Degree in Digital Video | | | | | | 7 |
| Associate Degree in Fashion & Apparel Design | | | | | | 18 |
| Associate Degree in Graphic Design | | | | | | 44 |
| BA in Interior Architecture | | | | | | 26 |
| Associate Degree in Information Technology | | | | | | 10 |
| Associate Degree in Journalism & Media | | | | | | 35 |
| Associate Degree in Marketing | | | | | | 3 |
| Associate Degree in Merchandising & Retailing | | | | | | 29 |
| Associate Degree in Mobile Computing | | | | | | 7 |
| Associate Degree in Packaging Design & Technology | | | | | | 11 |
| Associate Degree in Public Relations | | | | | | 10 |
| Associate Degree in Retail Management | | | | | | 46 |
| Associate Degree in Software Engineering | | | | | | 13 |
| Associate Degree in Sound Technology | | | | | | 50 |
| Associate Degree in Textile Design | | | | | | 22 |
| Associate Degree in Tourism Management | | | | | | 8 |
| Associate Degree in Film & TV Production | | | | | | 50 |
| Associate Degree in Videography | | | | | | 10 |
| Associate Degree in Web Design | | | | | | 47 |
| GRAND TOTAL | | | | | | 3,256 |

Table C2.10

OTHER COLLEGES- Graduates by Programmes: 2009 – 2014

| PROGRAMMES OFFERED | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|------|-----------|------|-----------|-----------|------------|
| ASSEMBLY BIBLE COLLEGE | | | | | | |
| Diploma in Theology | | 16 | | 13 | | 13 |
| TOTAL | | 16 | | 13 | | 13 |
| FLY MISSION SERVICES | | | | | | |
| Diploma in Aircraft Maintenance Engineering | | | | 5 | 16 | 12 |
| TOTAL | | | | 5 | 16 | 12 |
| GABORONE UNIVERSAL COLLEGE OF LAW | | | | | | |
| Diploma in Law | | | | | 73 | 102 |
| TOTAL | | | | | 73 | 102 |
| KGOLAGANO COLLEGE | | | | | | |
| Diploma in Theology | | | | | | 4 |
| TOTAL | | | | | | 4 |
| GRAND TOTAL | | 16 | | 18 | 89 | 131 |

Table C2.11
NEW ERA COLLEGE Graduates by Programmes: 2009 – 2014

| PROGRAMMES OFFERED | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--|------|------|------|------|------|------------|
| Certificate in Accommodation, Operations and Services | | | | | | 17 |
| Diploma in Accommodation, Operations and Services | | | | | | 65 |
| Advanced Diploma in Accommodation, Operations and Services | | | | | | 30 |
| Diploma in Travel, Tourism and Hospitality Management | | | | | | 26 |
| Advanced Diploma in Travel, Tourism and Hospitality Management | | | | | | 1 |
| Certificate in Electrical and Electronics Engineering | | | | | | 10 |
| Diploma in Electrical and Electronics Engineering | | | | | | 23 |
| Advanced Diploma in Electrical and Electronics Engineering | | | | | | 47 |
| Diploma in Construction Industry | | | | | | 137 |
| GRAND TOTAL | | | | | | 356 |

GRADUATES BY TEI AND PROGRAMME: 2009-2014 (PUBLIC INSTITUTIONS)

Table C2.12

COLLEGES OF EDUCATION Graduates by Programmes: 2009 – 2014

| COLLEGES OF EDUCATION | PROGRAMMES | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|----------------------------------|--------------------------------|------------|------------|------------|------------|--------------|------------|
| MOLEPOLOLE COLLEGE OF EDUCATION | Diploma In Secondary Education | | 199 | 190 | 97 | 159 | 182 |
| SEROWE COLLEGE OF EDUCATION | Diploma In Primary Education | | | 161 | 145 | 195 | 195 |
| TLOKWENG COLLEGE OF EDUCATION | Diploma In Primary Education | | 114 | 154 | 190 | | 103 |
| TONOTA COLLEGE OF EDUCATION | Diploma In Secondary Education | | 153 | 159 | 109 | 189 | 225 |
| FRANCISTOWN COLLEGE OF EDUCATION | Diploma In Primary Education | 168 | 300 | 187 | 274 | 594 | 151 |
| GRAND TOTAL | | 168 | 766 | 851 | 815 | 1,138 | 856 |

Table C2.13
HEALTH INSTITUTES Graduates by Programmes: 2009 – 2014

| HEALTH INSTITUTES | PROGRAMMES | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|---|------------|------------|------------|------------|------------|-----------|
| BAMALETE LUTHERAN SCHOOL OF NURSING | Post Basic Diploma in MIDWIFERY | | | 61 | | 18 | 60 |
| | TOTAL | | | | | 18 | 60 |
| | | | | | | | |
| INSTITUTE OF HEALTH SCIENCES FRANCISTOWN | Basic Diploma in GENERAL NURSING | | | 1 | | | |
| | Higher Diploma in General Nursing | 133 | 74 | 81 | 72 | 43 | 43 |
| | Advanced Diploma in Midwifery | | | | | 36 | 36 |
| | Post Basic Diploma in MIDWIFERY | | | 44 | | | |
| | TOTAL | 133 | 74 | 126 | 72 | 79 | 79 |
| INSTITUTE OF HEALTH SCIENCES- GABORONE | Advanced Diploma in Family Nurse Practitioner | | | 16 | | | |
| | Basic Diploma in GENERAL NURSING | | | 2 | | | |
| | Higher Diploma in Dental Therapy | | 7 | 11 | 11 | 8 | 9 |
| | Higher Diploma in General Nursing | | 73 | 59 | 68 | 42 | 31 |
| | Higher Diploma in Health Education | | 14 | 9 | 14 | | |
| | Higher Diploma in Medical Laboratory Technology | | 29 | 33 | 31 | 27 | 27 |
| | Higher Diploma in NURSE ANAESTHESIA | | 8 | | | | |
| | Higher Diploma in Pharmacy Technology | | 18 | 27 | 29 | 28 | 20 |
| | Post Basic Diploma in MIDWIFERY | | 54 | 54 | | 30 | 23 |
| TOTAL | | 203 | 212 | 153 | 125 | 110 | |

Table C2.13 Cont'd...

| HEALTH INSTITUTES | PROGRAMMES | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--|---|------------|--------------|--------------|--------------|------------|------------|
| KANYE SEVENTH DAY ADVENTIST SCHOOL OF NURSING | Post Basic Diploma in Family Nurse Practitioner | | 17 | 17 | | 25 | |
| | Post Basic Diploma in Midwifery | | 24 | 24 | 16 | 20 | 19 |
| | Higher Diploma in General Nursing | | 45 | 53 | 54 | 158 | 53 |
| | TOTAL | | 86 | 94 | 70 | 203 | 72 |
| INSTITUTE OF HEALTH SCIENCES LOBATSE | Post Basic Diploma in Midwifery | | | 19 | 19 | | |
| | Higher Diploma in Psychiatric Mental Health Nursing | | | | 1 | | |
| | Higher Diploma in General Nursing | | 59 | 47 | 89 | 35 | 61 |
| | Higher Diploma in Environmental Health | | 15 | 14 | 14 | 15 | 12 |
| | TOTAL | | 74 | 80 | 123 | 50 | 73 |
| INSTITUTE OF HEALTH SCIENCES MOLEPOLOLE | Post Basic Diploma in Ophthalmic Nursing | | | 12 | | 11 | |
| | Post Basic Diploma in Midwifery | | | 15 | | | |
| | Higher Diploma in Community Health Nursing | | | 9 | | 15 | |
| | Higher Diploma in General Nursing | | 31 | 43 | 33 | 33 | 52 |
| | TOTAL | | 31 | 79 | 33 | 59 | 52 |
| INSTITUTE OF HEALTH SCIENCES - SEROWE | Higher Diploma in General Nursing | | 49 | 18 | 41 | 50 | 63 |
| | Diploma in Health Education | | | | | | 7 |
| | Post Basic Diploma in Midwifery | | | 28 | | | |
| | TOTAL | | 49 | 46 | 41 | 50 | 70 |
| GRAND TOTAL | | 602 | 1,698 | 1,826 | 1,606 | 584 | 516 |

Table C2.14
BOTSWANA ACCOUNTANCY COLLEGE Graduates by Programmes: 2009 – 2014

| PROGRAMMES OFFERED | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|------|------|------|------------|-----------|--------------|
| Association of Accounting Technicians | | | | 113 | 0 | 32 |
| Association of Certified Chartered Accountants | | | | 11 | 0 | 30 |
| BA (Hons) Accounting & Finance | | | | 53 | 0 | 99 |
| BA Business Enterprise | | | | | | 68 |
| CoP Basics of Short Term | | | | | | 85 |
| CoP Basics of Retirement | | | | | | 12 |
| CoP Basics of Long Term | | | | | | 275 |
| Enterprise Risk Management | | | | | | 369 |
| Bachelor of Science (hons) Applied Business Computing | | | | 53 | 0 | 65 |
| Bachelor of Science c (hons) Computer Systems Engineering | | | | 69 | 0 | 45 |
| Chartered Institute of Management Accountants | | | | 13 | 0 | |
| Insurance Institute of South Africa | | | | 450 | 0 | 15 |
| MBA 0 Top Up (ACCA/CIMA) | | | | 15 | 0 | 15 |
| MBA Advanced Standing | | | | | 29 | |
| MSc Strategic Management | | | | 94 | 54 | 138 |
| Taxation | | | | 12 | 0 | 52 |
| GRAND TOTAL | | | | 883 | 81 | 1,300 |

Table C2.15

BOTSWANA COLLEGE OF AGRICULTURE Graduates by Programmes: 2009 – 2014

| PROGRAMMES OFFERED | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|
| Bachelor of Science in Agricultural Economics | | | 3 | 4 | | 51 |
| Bachelor of Science in Agricultural Education | 116 | 49 | 35 | 30 | | 54 |
| Bachelor of Science in Agricultural Mechanisation | 3 | 3 | 7 | 17 | | 30 |
| Bachelor of Science in Agriculture | 40 | 32 | 15 | 24 | | 24 |
| Bachelor of Science in Animal Science | 1 | 53 | 26 | 31 | | 22 |
| Bachelor of Science in Crop Science | 10 | 16 | 23 | 19 | | 27 |
| BSc in Soil and Water Conservation Engineering | 12 | 16 | 27 | 14 | | 23 |
| BSc Agricultural Extension | | | | | | 1 |
| BSc in Forestry and Range Ecology | | | | | | 35 |
| Master in Crop Science (Horticulture) | | | | 1 | | |
| Diploma in Forestry and Range Ecology | 1 | | | | | |
| High Diploma in Agriculture | 21 | 16 | 9 | 6 | | 17 |
| Higher Diploma in Agricultural Education | 15 | 1 | 4 | | | |
| Higher Diploma in Agricultural Engineering | 12 | 5 | 1 | | | |
| Higher Diploma In Animal Health & Production | 19 | 9 | 16 | 13 | | 19 |
| Higher Diploma in Forestry and Range Ecology | 4 | 10 | 10 | 6 | | 11 |
| Higher Diploma in Horticulture | 8 | 7 | 4 | | | |
| Master in Animal Science (Animal Nutrition) | | | 1 | | | 5 |
| Master in Animal Science (Animal Breeding & Production) | | | 2 | 2 | | |
| Master of Science in Agricultural Engineering | | | | | | 2 |
| Master of Science in Agricultural Education | | | | | | 3 |
| Master in Animal Science (Crop Protection) | | | 2 | | | 1 |
| GRAND TOTAL | 262 | 217 | 185 | 167 | N/A | 325 |

Table C2.16
BOTSWANA COLLEGE OF DISTANCE & OPEN LEARNING Graduates by
Programmes: 2009 – 2014

| PROGRAMMES OFFERED | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|------------|------------|------------|--------------|------|------------|
| Bachelor of Finance in Investment Analysis | 0 | 0 | 0 | 25 | | |
| Bachelor of Commerce in HRM & Industrial Relations | | | | 49 | | 124 |
| BSc in IT | 0 | 0 | 0 | 21 | | |
| Certificate in Small Scale Business Management | 169 | 213 | 304 | 266 | | 130 |
| Certificate for Distance Education Practitioners | | | | | | 37 |
| Certificate in Disaster Management | | | | | | 15 |
| Diploma in Business Management | 9 | 19 | 46 | 47 | | 128 |
| Diploma in HIV/AIDS and Family Education | 0 | 0 | 0 | 9 | | |
| Diploma in Human Resource Management | 81 | 130 | 249 | 124 | | 228 |
| Diploma in Professional Education | 0 | 0 | 0 | 332 | | |
| Diploma in Tourism Studies | 0 | 0 | 0 | 4 | | |
| Foundation Certificate in English for Professional Purposes | 0 | 20 | 0 | 0 | | |
| Foundation Certificate In Microsoft Office Suite | | | | 266 | | 38 |
| Master in Business Management (HRM) | 0 | 0 | 0 | 7 | | |
| Master of Finance & Control | 0 | 0 | 6 | 20 | | |
| MBA 0 International Business | 0 | 0 | 4 | 15 | | |
| Microsoft Office Suite | 23 | 22 | 30 | 65 | | |
| MSc 0 Leadership and Change Management | 0 | 0 | 0 | 43 | | |
| PGC in Practitioner Research & Evaluation Skills Training | 0 | 17 | 9 | 2 | | |
| GRAND TOTAL | 282 | 421 | 648 | 1,295 | | 700 |

Table C2.17

BOTSWANA COLLEGE OF ENGINEERING & TECHNOLOGY Graduates by Programmes: 2009 – 2014

| PROGRAMMES OFFERED | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--|-----------|-----------|------|------------|------------|------------|
| Certificate in Electrical & Electronic Engineering | 20 | 20 | | | | |
| Certificate in Electrical & Electronic Engineering | | | | | | |
| National Craft Certificate Automotive Electronics | | | | | 7 | 7 |
| National Craft Certificate Automotive Mechanics | | | | | | 5 |
| Maintenance Fitting | | | | | | 4 |
| Certificate in ICT | | | | | | 4 |
| Heavy Plant Mechanics | | | | | | 32 |
| Borehole Mechanics | | | | | | 18 |
| Panel Beating and Spray Painting | | | | | | 10 |
| Diploma in Building and Civil Engineering | | | | 41 | 28 | 40 |
| Diploma in Electrical And Electronic Engineering | 33 | 51 | | 50 | 35 | 35 |
| Diploma in Geomatics | | | | 23 | 18 | 15 |
| Diploma in Mechanical Engineering | | | | 40 | 52 | 51 |
| Diploma in Water & Environmental Engineering | | | | 23 | 26 | 26 |
| GRAND TOTAL | 53 | 71 | | 177 | 166 | 247 |

Table C2.18

**FRANCISTOWN COLLEGE OF TECHNICAL & VOCATIONAL EDUCATION
Graduates by Programmes: 2009 – 2014**

| | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|------|------|------|------|------|------|
| Advanced Certificate in Business Administration | | | | | | |
| Advanced Certificate in IT | 1 | 13 | | | | |
| Advanced Certificate in Multimedia | | 14 | | | | |
| BTEP Certificate in Building Construction | | | 13 | 13 | 13 | |
| Advanced Certificate in Business | | | 12 | | 63 | 58 |
| Certificate in Hospitality Operations | | | | 25 | | |
| Certificate in Travel & Tourism | | | | | 30 | 18 |
| Clothing Design & Textile | | | 9 | | 13 | 71 |
| Diploma in Technical & Vocational Education | | | 9 | 50 | | |
| Electrical & Mechanical Engineering | | | 15 | 13 | 13 | |
| Higher Diploma in Beauty And Therapy | | | | 7 | 27 | 12 |
| Hospitality | 13 | | | 30 | | 14 |
| Information & Comm. Technology | | | 15 | 16 | 30 | |
| Advanced Certificate in Multimedia | | | 10 | | | 17 |
| Advanced Certificate in ICT | | | | | | 9 |
| Post Graduate Certificate in TVET | | | | 57 | 133 | 133 |
| Certificate in Sports, Recreation & Leisure | | | | | | 44 |

Table C2.19**GABORONE TECHNICAL COLLEGE Graduates by Programmes: 2009 – 2014**

| | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--|------|------|------|------|------|-----------|
| Technician Diploma in Electrical & Electronics | | | | | | 14 |
| National Craft Certificate NCC2 Electrical | | | | | | 5 |
| National Craft Certificate NCC3 Refrigeration | | | | | | 11 |
| Certificate in Beauty Therapy | | | | | | 28 |
| Certificate in Hair Dressing | | | | | | 22 |
| GRAND TOTAL | | | | | | 70 |

Table C2.20
OTHER PUBLIC COLLEGES Graduates by Programmes: 2009 – 2014

| PROGRAMMES OFFERED | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--|------|------|-----------|------|-----------|------------|
| BOTSWANA WILDLIFE TRAINING INSTITUTE | | | | | | |
| Certificate in Wildlife Management | | | | | | 44 |
| Diploma in Wildlife Management | | | | | | 22 |
| Certificate in Professional Tour Guide | | | | | | 18 |
| TOTAL | | | | | | 84 |
| DEFENCE STAFF & COMMAND | | | | | | |
| Diploma in Defence & Strategic Studies | | | 28 | | 36 | 36 |
| Masters in Defence & Strategic Studies | | | 8 | | | |
| TOTAL | | | 36 | | 36 | 36 |
| INSTITUTE OF DEVELOPMENT MANAGEMENT | | | | | | |
| Certificate in Archives & Records management | | | | | | 14 |
| Certificate in Human Resource Management | | | | | | 15 |
| Diploma in Archives & Records management | | | | | | 31 |
| Diploma in Educational Management | | | | | | 53 |
| TOTAL | | | | | | 113 |
| GRAND TOTAL | | | | | | 233 |

Table C2.21
UNIVERSITY OF BOTSWANA Graduates by Programmes: 2009 – 2014

| Programmed Offered | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| BACHELOR OF ARTS (African Language & Literature) | 9 | 0 | | | | |
| BACHELOR OF ARTS (Economics) | 15 | 8 | 16 | 15 | 19 | 20 |
| BACHELOR OF ARTS (English) | 9 | 2 | 3 | 1 | 2 | 2 |
| BACHELOR OF ARTS (Environmental Science) | 4 | 1 | 8 | 4 | 14 | 23 |
| BACHELOR OF ARTS (History) | 1 | 0 | | 1 | 0 | |
| BACHELOR OF ARTS (Humanities) | 438 | 349 | 326 | 266 | 403 | 283 |
| BACHELOR OF ARTS (Library & Information Studies) | 0 | 10 | 14 | 5 | 8 | 2 |
| BACHELOR OF ARTS (Psychology) | 7 | 6 | 7 | 4 | 3 | 9 |
| BACHELOR OF ARTS (Public Administration) | 4 | 0 | 5 | 7 | 10 | 4 |
| BACHELOR OF ARTS (Social Sciences) | 198 | 204 | 223 | 151 | 211 | 225 |
| BACHELOR OF ARTS (Sociology) | 5 | 2 | 4 | 3 | 0 | |
| BACHELOR OF ARTS (Statistics) | 1 | 2 | | | 0 | |
| BACHELOR OF ARTS (Media Studies) | | | | | 25 | 22 |
| BACHELOR OF ARTS (Criminal Justice) | | | | | | 9 |
| BACHELOR OF ARTS (Theology & Religious Studies) | 6 | 3 | 6 | 3 | | |
| Bachelor of Accountancy | 107 | 06 | 119 | 109 | 119 | 116 |
| Bachelor of Architecture | 8 | 9 | 13 | 6 | 10 | 11 |
| Bachelor of Business Administration (Management) | 77 | 76 | 94 | 79 | 73 | 106 |
| Bachelor of Business Administration (Marketing) | 48 | 47 | 32 | 67 | 62 | 67 |
| Bachelor of Business Administration (Tourism & Hospitality) | 0 | 13 | 19 | 12 | 11 | 26 |
| Bachelor of Design (Design & Technology) | 14 | 17 | 16 | 24 | 18 | 8 |

Table C2.21 Cont'd.....

| Programmed Offered | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| Bachelor of Design (Industrial Design) | 4 | 15 | 6 | 14 | 5 | 10 |
| Bachelor of Education (Adult Education) | 49 | 44 | 24 | 14 | 30 | 53 |
| Bachelor of Education (Counselling) | 0 | 45 | 31 | 47 | 60 | 58 |
| Bachelor of Education (Educational Management) | 36 | 35 | 35 | 52 | 42 | 35 |
| Bachelor of Education (Family and Consumer Sciences) | 34 | 47 | 45 | 37 | 23 | 65 |
| Bachelor of Fine Arts (Theatre Arts) | | | | | | 25 |
| Bachelor of Education (Business) | | | | 8 | 10 | 8 |
| Bachelor of Education (Physical Education) | 58 | 51 | 38 | 40 | 93 | 136 |
| Bachelor of Education (Primary Education) | 53 | 65 | 50 | 59 | 58 | 409 |
| Bachelor of Education (Science) | 71 | 25 | 41 | 35 | 52 | |
| Bachelor of Education (Secondary Education) | 26 | 26 | 36 | 40 | 43 | 278 |
| Bachelor of Education (Special Education) | 62 | 80 | 40 | 36 | 28 | 109 |
| Bachelor of Finance | 47 | 47 | 41 | 37 | 43 | 78 |
| Bachelor of Laws | 58 | 50 | 58 | | 66 | 85 |
| Bachelor of Library & Information Studies | 34 | 31 | 33 | 23 | 19 | 45 |
| Bachelor of Media Studies | 27 | 21 | 24 | 37 | 34 | 29 |
| Bachelor of Nursing Science | 65 | 64 | 55 | 72 | 54 | 58 |
| Bachelor of Science (Biological Sciences) | 18 | 19 | 17 | 20 | 25 | 19 |
| Bachelor of Science (Chemistry) | 8 | 6 | 4 | 7 | 3 | 2 |
| Bachelor of Science (Computer Science) | 24 | 20 | 4 | 9 | 12 | 18 |
| Bachelor of Science (Environmental Health) | 8 | 4 | 12 | 14 | 17 | |
| Bachelor of Science (Applied Geophysics) | | | | | 6 | 6 |
| Bachelor of Science (Radiation and Health Physics) | | | | | 0 | 8 |

Table C2.20 Cont'd....

| Programmed Offered | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--|------|------|------|------|------|------|
| Bachelor of Science (Environmental Science) | 20 | 20 | 12 | 10 | 8 | 30 |
| Bachelor of Science (General) | 33 | 24 | 46 | 36 | 41 | 36 |
| Bachelor of Science (Geology) | 29 | 18 | 18 | 12 | 28 | 25 |
| Bachelor of Science (Mathematics) | 2 | 9 | 2 | 8 | 4 | 7 |
| Bachelor of Science (Medical Laboratory Science) | 0 | 6 | 24 | 4 | 7 | |
| Bachelor of Science (Physics) | 0 | 0 | 4 | 3 | 4 | 1 |
| Bachelor of Science (Physics with Meteorology) | | | | | | 2 |
| Bachelor of Science (Statistics) | 2 | 0 | 2 | 0 | 2 | 7 |
| Bachelor of Science (Urban & Regional Planning) | 12 | 8 | 14 | 11 | 9 | 11 |
| Bachelor of Medicine Bachelor of Surgery | | | | | | 31 |
| Bachelor of Land Management | | | | | 9 | 3 |
| Bachelor of Social Work | 57 | 75 | 90 | | 52 | 88 |
| Bachelor of Criminal JUSTICE | | | | 4 | 12 | |
| Bachelor of GEOMATICS | | | | 4 | 16 | 32 |
| Bachelor of Science in Urban & Regional Planning (MA professional) | | | | | 3 | |
| BEng (Civil Engineering) | 20 | 26 | 12 | 20 | 19 | 24 |
| BEng (Construction Engineering & Management) | 14 | 14 | 20 | 14 | 15 | |
| BEng (Electrical & Electronic Engineering) | 10 | 16 | 17 | 20 | 19 | 11 |
| BEng (Electrical & Mechanical Engineering) | 0 | 0 | 1 | 21 | 0 | |
| BEng (Mechanical Engineering) | 17 | 12 | 28 | 21 | 12 | 16 |
| BIS (Business Information Systems) | 15 | 33 | 25 | 23 | 21 | |
| BIS (Computer Information Systems) | 16 | 18 | 7 | 6 | 9 | 7 |
| BIS (Information Management) | 19 | 17 | 19 | 12 | 6 | 17 |

Table C2.20 Cont'd....

| Programmed Offered | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|
| Certificate in Archives & Records Management | 11 | 5 | 2 | 3 | 4 | |
| Certificate in Construction Engineering | 5 | 9 | 10 | | | |
| Certificate in Electrical & Electronic Engineering | 14 | 20 | 20 | | | |
| Certificate in LAND ADMINISTRATION | | | | 8 | | |
| Certificate in Land Management | 0 | 0 | 23 | | 7 | |
| Certificate in Library and Information Studies | 0 | 0 | 14 | 19 | | |
| Certificate in Motor Vehicle Engineering | 24 | 12 | 20 | | | |
| Certificate in Plant Engineering | 12 | 8 | 17 | | | |
| Certificate in Refrigeration and Air Conditioning Engineering | 13 | 2 | 6 | | | |
| Certificate in Science Laboratory Technology | 0 | 8 | 10 | | | |
| Diploma in Accounting & Business Studies | 248 | 300 | 272 | 222 | 289 | 244 |
| Diploma in Adult education | 22 | 24 | | 16 | 5 | 43 |
| Diploma in Archives & Records Management | 31 | 16 | 11 | 22 | 27 | 25 |
| Diploma in Building & Civil Engineering | 35 | 30 | 33 | | | |
| Diploma in Criminal Justice Studies | 16 | 17 | 17 | 20 | | |
| Diploma in DEFENCE AND STRATEGIC STUDIES | | | | 19 | 26 | 23 |
| Diploma in Electrical & Electronic Engineering | 35 | 32 | 52 | | | |
| Diploma in Geomatics | 13 | 13 | 13 | | | |
| Diploma in Land Management | | | | | 5 | 17 |
| Diploma in Law | 41 | 43 | 29 | 14 | | |
| Diploma in Library and Information Studies | 0 | 15 | 15 | 22 | 22 | 14 |
| Diploma in Mechanical Engineering | 52 | 37 | 57 | | | |
| Diploma in Mining Engineering | 14 | 22 | 23 | 23 | 25 | 22 |
| Diploma in Non-Governmental Organization | 0 | 0 | 4 | 1 | 2 | 4 |

Table C2.20 Cont'd....

| Programmed Offered | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--|------|------|------|------|------|------|
| Diploma in Population Studies | 23 | 29 | 13 | 16 | 15 | 6 |
| Diploma in Social Work | 22 | 30 | 32 | 35 | 22 | 15 |
| Diploma in Statistics | 12 | 8 | 8 | 35 | 11 | 7 |
| Diploma in Water & Environmental Engineering | 12 | 5 | 27 | | | |
| Diploma in Youth in Development Work | 2 | 0 | 2 | 1 | | |
| MA (African Languages & Literature) | 4 | 1 | | | | 1 |
| MASTER OF ARTS (Development Studies) | 14 | 9 | 8 | 6 | 14 | 10 |
| MASTER OF ARTS (Economics) | 11 | 8 | 10 | 15 | 5 | 12 |
| MASTER OF ARTS (English) | 5 | 4 | 4 | 1 | 3 | 3 |
| MASTER OF ARTS (History) | 0 | 1 | 2 | 1 | 1 | |
| MASTER OF ARTS (Population Studies) | 3 | 1 | 4 | 2 | 2 | 6 |
| MASTER OF ARTS (Statistics) | 3 | 4 | 5 | 3 | 2 | 3 |
| MASTER OF ARTS (Theology & Religious Studies) | 4 | 2 | 1 | 1 | 1 | 2 |
| Master of Business Administration | 35 | 51 | 41 | 29 | 10 | 6 |
| Master of Laws | 2 | 0 | 3 | | 2 | 1 |
| Master of Development Practice | | | | | 2 | 1 |
| Master of Defence & Strategic Studies | | | | | 3 | 6 |
| Master of Library & Information Studies | 5 | 7 | | 3 | 2 | 3 |
| Master of Nursing Science | 2 | 3 | 2 | 10 | 3 | 10 |
| Master of Politics and International Relations | 0 | 2 | 2 | 10 | 18 | 7 |
| Master of PROJECT MANAGEMENT | 1 | 4 | 4 | 5 | 4 | 1 |
| Master of Social Work | 6 | 11 | 5 | 10 | 4 | 6 |

Table C2.20 Cont'd....

| Programmed Offered | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--|------|------|------|------|------|------|
| Masters of Archives & Records Management | 2 | 5 | 7 | 7 | 5 | 5 |
| MEd (Curriculum & Instruction) | 7 | 1 | 2 | 1 | 6 | 7 |
| MEd (Adult Education) | 7 | 4 | | 5 | 0 | 7 |
| MEd (Counselling & Human Services) | 10 | 17 | 21 | 8 | 16 | 3 |
| MEd (Educational Management) | 10 | 14 | 3 | 3 | 3 | 8 |
| MEd (Gender Education) | 1 | 0 | 7 | 3 | 2 | 2 |
| MEd (LANGUAGE EDUCATION) | | | | | 1 | |
| MEd (Languages & Social Sciences) | 0 | 1 | | | | |
| MEd (Mathematics & Science) | 2 | 4 | | | | |
| MEd (MATHEMATICS EDUCATION) | | | 3 | 1 | 1 | 3 |
| MEd (Physical Education) | 4 | 1 | 3 | | 1 | |
| MEd (Primary Education) | 3 | 0 | 1 | 2 | | 1 |
| MEd (Religious Education) | 0 | 1 | 2 | | | |
| MEd (Research & Evaluation) | 7 | 9 | 4 | 8 | 8 | 6 |
| MEd (Science Education) | 1 | 2 | | 2 | | 1 |
| MEd (Social Studies) | 2 | 4 | | | 1 | 1 |
| MPA (Environmental Resource Management) | 1 | 1 | | 1 | | |
| MPA (HUMAN RESOURCE MANAGEMENT) | 15 | 20 | 29 | 24 | 21 | 19 |
| MPA (LOCAL GOVERNMENT MANAGEMENT) | | | | 1 | | 1 |
| MPA (PUBLIC FINANCE MANAGEMENT) | | | | 2 | | |
| MPA (Public Policy & Administration) | 1 | 3 | 3 | | 1 | 4 |
| MPhil (AFRICAN LANGUAGES AND LITERATURE) | | | 1 | 3 | | |
| MPhil (Engineering) | | | | | 1 | |
| MPhil (Natural Resource Management) | | | | | 1 | 4 |

Table C2.20 Cont'd....

| Programmed Offered | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|---|------|------|------|------|------|------|
| MPhil (Biological Sciences) | 3 | 1 | 4 | | 1 | |
| MPhil (Chemistry) | 1 | 1 | | | | |
| MPhil (Mathematics & Science) | 0 | 0 | 4 | | | |
| MPhil (Physics) | 0 | 0 | | | | |
| MSc (Applied Microbiology) | 1 | 3 | 2 | 1 | 1 | 1 |
| MSc (Chemistry) | 4 | 1 | 3 | 1 | | 2 |
| MSc (Civil Engineering) | 0 | 1 | | 2 | | |
| MSc (Computer Information Systems) | 0 | 2 | | 1 | 3 | 6 |
| MSc (Computer Science) | 1 | 1 | 1 | 1 | 1 | 4 |
| MSc (Electrical & Electronic Engineering) | 3 | 1 | 1 | | 1 | 1 |
| MSc (Environmental Science) | 5 | 8 | 1 | 4 | 1 | 8 |
| MSc (Hydrogeology) | 1 | 1 | 2 | 1 | | 3 |
| MSc (Mathematics) | 3 | 1 | 7 | | 2 | 2 |
| MSc (Mechanical Engineering) | 0 | 1 | | | 1 | |
| MSc (Physics) | 0 | 0 | 1 | | 2 | 2 |
| MSc (Physical Chemistry) | | | | | | 2 |
| PhD (AFRICAN LANGUAGES AND LITERATURE) | | | | 1 | | |
| PhD (Applied Microbiology) | 0 | 1 | | | | |
| PhD (Biological Sciences) | | | | | | 1 |
| PhD Language Education | | | | | | 2 |
| PhD (Chemistry) | 0 | 0 | 2 | | 1 | 1 |
| PhD (Mechanical Engineering) | | | | | 1 | 1 |
| PhD (COUNSELLING AND HUMAN SERVICES) | | | | 1 | | |
| PhD (Curriculum & Instruction) | 0 | 1 | | | | |

Table C2.20 Cont'd....

| Programmed Offered | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 |
|--------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| PhD (COUNSELLING AND HUMAN SERVICES) | | | | 1 | | |
| PhD (Curriculum & Instruction) | 0 | 1 | | | | |
| PhD (Educational Management) | 0 | 1 | | 1 | 1 | 3 |
| PhD (Environmental Science) | 2 | 0 | | | 1 | 1 |
| PhD (History) | 0 | 1 | | | | |
| PhD (Library & Information Studies) | 3 | 0 | 1 | | | |
| PhD (English) | | | | | 1 | |
| PHD (Statistics) | | | | | 3 | |
| PhD (Mathematics) | 2 | 1 | 2 | | 1 | |
| PhD (Physics) | 1 | 0 | | | 1 | 1 |
| PhD (Research & Evaluation) | 0 | 1 | 3 | | | 4 |
| PHD Natural Resource | | | | | 2 | |
| Post Graduate Diploma (Statistics) | | | | | 1 | 1 |
| Postgraduate Diploma in Education | 160 | 120 | 68 | | 199 | 169 |
| TOTAL | 2,914 | 2,874 | 2,850 | 2,244 | 2,837 | 3,600 |

Chapter



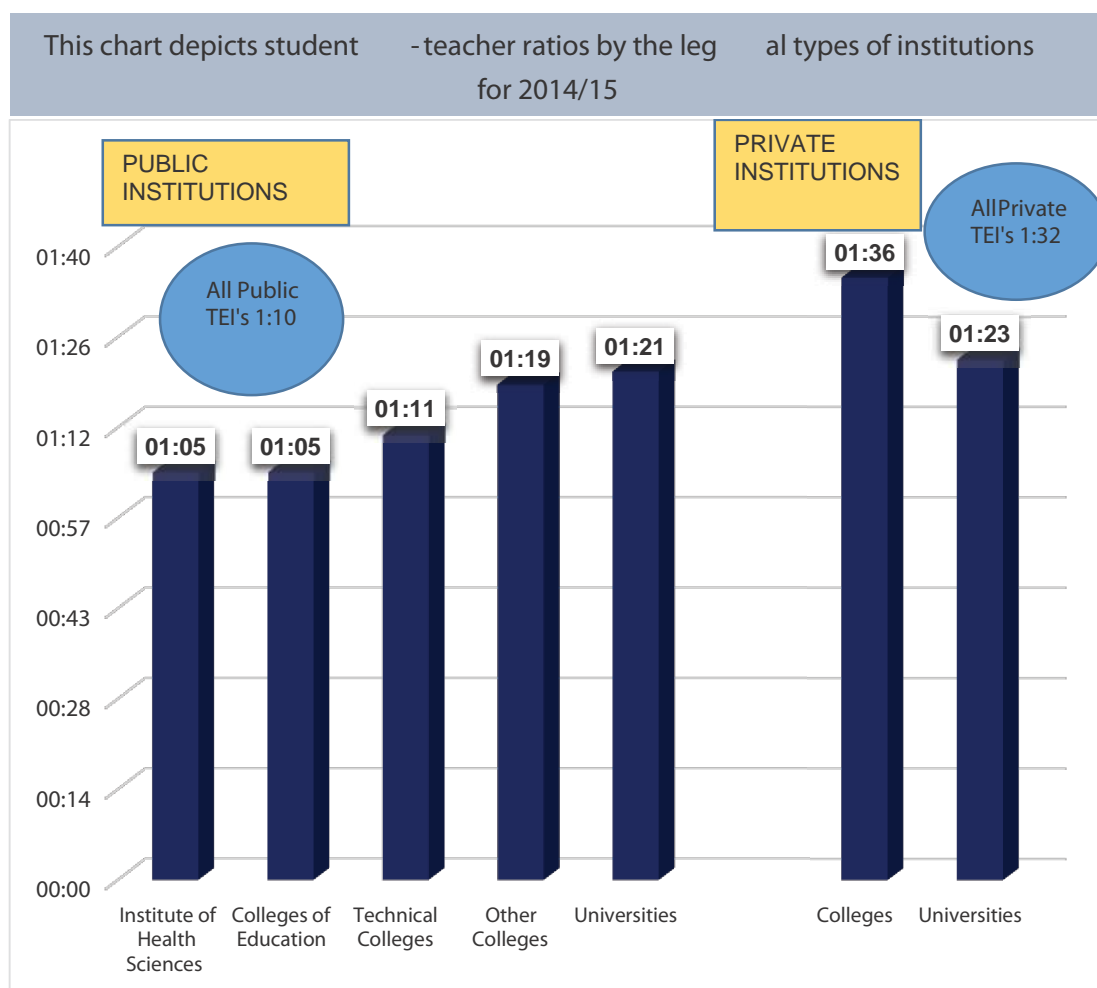
THE LEARNING ENVIRONMENT AND ORGANISATION OF LOCAL TERTIARY EDUCATION INSTITUTIONS

STUDENT-TEACHER RATIO

This indicator measures the ratio of students to teaching staff in the local TEIs. Class size, student-teacher ratios along with student's instruction time, teacher's average working time and the division of teacher's time between teaching and other duties – are among the determinants of the size of the countries' teaching force (OECD, 2009). According to UNESCO, the purpose of this indicator is to measure the level of human resource input in terms of the number of teachers in relation to the size of the student population, (Education Indicators, 2009).

Key results

Chart D1.1
Ratio of students to teaching staff in local TEIs 2014/15



Source: Tertiary Education Institutions
Refer to Table D1.1

Table D1.1
Ratio of students to teaching staff in local TEIs (2014/15)

| NAME OF INSTITUTION | | 2011/12 | 2012/13 | 2014/15 |
|------------------------------|---|------------------|-------------|-------------|
| PRIVATE INSTITUTIONS | | 1:14 | 1:26 | 1:32 |
| COLLEGES | Assembly Bible College | 1:6 | 1:6 | 1:3 |
| | ABM University College | 1:53 | 1:51 | 1:27 |
| | Ba Isago University College | 1:13 | 1:17 | - |
| | Boitekanelo Training Institute | 0 | 1:38 | 1:30 |
| | Bosa Bosele Training Institute | 0 | 0 | 1:22 |
| | Imperial School of Business & Science | 0 | 1:23 | 1:39 |
| | Flying Mission Services | 1:3 | 1:2 | 1:4 |
| | Gaborone Institute of Professional Studies | 1:0 | 1:19 | 1:34 |
| | Gaborone Universal College of Law | 1:13 | 1:18 | 1:46 |
| | Kgolagano College Of Theological Studies | 1:9 | 1:6 | 1:13 |
| | Limkokwing University College Of Creative Technology | 1:18 | 1:32 | 1:23 |
| | Management College Of Southern Africa | 1:63 | 1:34 | 1:44 |
| | New Era College Of Applied Arts, Science & Technology | 1:0 | 1:26 | - |
| | ALL COLLEGES RATIO | 1:14 | 1:28 | 1:36 |
| | UNIVERSITY | Botho University | 1:19 | 1:20 |
| PUBLIC INSTITUTIONS | | 1:15 | 1:16 | 1:10 |
| INSTITUTE OF HEALTH SCIENCES | Bamalete Lutheran School Of Nursing | 1:2 | 1:4 | 1:4 |
| | Deborah Retief Memorial School Of Nursing | 1:6 | 1:6 | - |
| | Francistown Institute Of Health Sciences | 1:6 | 1:8 | 1:6 |
| | Gaborone Institute Of Health Sciences | 1:5 | 1:5 | 1:5 |
| | Kanye Seventh Day Adventist School Of Nursing | 1:7 | 1:7 | 1:7 |
| | Lobatse Institute Of Health Sciences | 1:4 | 1:5 | 1:5 |
| | Molepolole Institute Of Health Sciences | 1:5 | 1:5 | 1:4 |
| | Serowe Institute Of Health Sciences | 1:7 | 1:7 | - |
| | All IHS Ratio | 1:5 | 1:6 | 1:5 |
| COLLEGES OF EDUCATION | Francistown College Of Education | 1:9 | 1:10 | 1:2 |
| | Molepolole College of Education | 1:3 | 1:4 | 1:4 |
| | Tonota College of Education | 1:4 | 1:4 | 1:5 |
| | Tlokweng College of Education | 1:2 | 1:5 | 1:7 |
| | Serowe College of Education | 1:5 | 1:8 | 1:6 |
| | ALL COLLEGES OF EDUCATION RATIO | 1:4 | 1:6 | 1:5 |
| TECHNICAL COLLEGES | Botswana College of Engineering & technology | 1:3 | 1:7 | 1:15 |
| | Francistown College of Technical & Vocational Education | 1:4 | 1:7 | 1:7 |
| | Gaborone Technical College | 1:5 | 1:6 | - |
| | ALL TECHNICAL COLLEGES RATIO | 1:4 | 1:7 | 1:11 |

Table D1.1 *Cont'd...*

| NAME OF INSTITUTION | | 2011/12 | 2012/13 | 2014/15 |
|---|---|-------------|-------------|-------------|
| PUBLIC INSTITUTIONS <i>cont'd...</i> | | | | |
| OTHER | Botswana Accountancy College | 1:59 | 1:48 | 1:38 |
| COLLEGES | Botswana College Of Agriculture | 1:11 | 1:15 | - |
| | Botswana College of Open & Distance Learning | 1:57 | 1:51 | - |
| | Botswana Wildlife Training Institute | 1:7 | 1:7 | 1:7 |
| | Defence Command Staff College | 1:3 | 1:3 | 1:3 |
| | Institute Of Development Management | 1:22 | 1:22 | 1:29 |
| | ALL OTHER COLLEGES RATIO | 1:35 | 1:32 | 1:19 |
| UNIVERSITIES | University Of Botswana | 1:20 | 1:20 | 1:21 |
| | Botswana International University Of Science & Technology | | | |
| | UNIVERSITIES | 1:20 | 1:20 | 1:21 |
| ALL TEIs | | 1:15 | 1:19 | 1:20 |

CONCLUSION

The following conclusions were drawn from the report:

- A total of 60,583 students were enrolled during 2014/15; and
- 57.5 percent of TE students were females.
- Female students dominated across all programmes except in science and science related programmes during the period 2009/10 -2014/5.
- An observed pattern of male dominance at technical colleges with a noticeable increase in female participation
- The University of Botswana continued to register the largest student population during the period 2009/10 – 2014/15.
- Increasing fluctuating trend in private sector participation in the provision of tertiary education
- A total of 34, 069 students sat for Botswana General Certificate of Secondary Education in 2013 and 21, 898 (64.28 %) proceeded to tertiary institutions.
- The Department of Tertiary Education Financing (DTEF) sponsored a total of 204 Botswana students to study internationally
- Low enrolment for post graduate programmes (Masters Degree, Master of Philosophy and Doctor of Philosophy). Out of 60,583 students enrolled in 2014/15 only 1980 (3.27%) enrolled for post graduate programmes, with PhD constituting only 94 students (0.155%), of which 27 were females.
- Relatively low enrolment and graduation rates for Engineering, Science and Technology programmes as compared to Social Science, Business, Education and Humanities.
- A low GTER which generally indicates a low degree of participation in Tertiary Education which has constantly remained below countries like South Africa and Mauritius.
- . Of the 94 PhD students, 5 are locals, 50 percent foreigners and only 28.7 percent are females.

APPENDICES

APPENDIX I ISCED BROAD GROUPS AND FIELDS OF EDUCATION:

General Programmes

1 Basic programmes

Basic general programmes pre-primary, elementary, primary, secondary, etc.

8 Literacy and numeracy

Simple and functional literacy, numeracy.

9 Personal development

Enhancing personal skills, e.g. behavioural capacities, mental skills, personal Organizational capacities, life orientation programmes.

1 Education

14 Teacher training and education science

Teacher training for preschool, kindergarten, elementary school, vocational, practical, non-vocational subject, adult education, teacher trainers and for handicapped children. General and specialized teacher training programmes. **Education science**: curriculum development in non-vocational and vocational subjects. Educational assessment, testing and measurement, educational research, other education science.

2 Humanities and Arts

21 Arts

Fine arts: drawing, painting, sculpture;

Performing arts: music, drama, dance, circus;

Graphic and audio-visual arts: photography, cinematography, music production, radio and TV production, printing and publishing;

Design; Craft skills.

22 Humanities

Religion and theology; foreign languages and cultures: living or “dead” languages and their literature, area studies;

Native languages: current or vernacular language and its literature;

Other humanities: interpretation and translation, linguistics, comparative literature, history, history, archaeology, philosophy, ethics.

3 Social Sciences, Business and Law

31 Social and Behavioural Science

Economics, economic history, political science, sociology, demography, anthropology (except physical anthropology), ethnology, futurology, psychology, geography (except physical geography), peace and conflict studies, human rights.

32 Journalism and Information

Journalism; library technician and science; technicians in museums and similar repositories;
Documentation techniques;
Archival sciences.

34 Business and Administration

Retailing, marketing, sales, public relations, real estate;
Finance, banking, insurance, investment analysis;
Accounting, auditing, bookkeeping;
Management, public administration, institutional administration, personnel Administration;
Secretarial and office work.

38 Law

Local magistrates, “notaries”, law (general, international, labour, maritime, etc.), Jurisprudence, history of law.

4 Science

42 Life Sciences

Biology, botany, bacteriology, toxicology, microbiology, zoology, entomology, ornithology, genetics, biochemistry, biophysics, other allied sciences, excluding clinical and veterinary sciences.

44 Physical Sciences

Astronomy and space sciences, physics, other allied subjects, chemistry, other allied subjects, geology, geophysics, mineralogy, physical anthropology, physical geography and other geosciences, meteorology and other atmospheric sciences including climatic research, marine science, volcanology, paleoecology.

46 Mathematics and Statistics

Mathematics, operations research, numerical analysis, actuarial science, statistics and other allied fields.

48 Computing

Computer sciences: system design, computer programming, data processing, networks, operating systems software development only (hardware development should be classified with the engineering fields).

5 Engineering, Manufacturing and Construction

52 Engineering and Engineering Trades

Engineering drawing, mechanics, metal work, electricity, electronics, telecommunications, energy and chemical engineering, vehicle maintenance, surveying.

54 Manufacturing and Processing

Food and drink processing, textiles, clothes, footwear, leather, materials (wood, paper, plastic, glass, etc.), mining and extraction.

6 Agriculture

62 Agriculture, Forestry and Fishery

Agriculture, crop and livestock production, agronomy, animal husbandry, horticulture and gardening, forestry and forest product techniques, natural parks, wildlife, fisheries, fishery science and technology.

64 Veterinary

Veterinary medicine, veterinary assisting.

7 Health and Welfare

72 Health

Medicine: anatomy, epidemiology, cytology, physiology, immunology and immunohematology, pathology, anaesthesiology, paediatrics, obstetrics and gynaecology, internal medicine, surgery, neurology, psychiatry, radiology, ophthalmology;

Medical services: public health services, hygiene, pharmacy, pharmacology, therapeutics, rehabilitation, prosthetics, optometry, nutrition;

Nursing: basic nursing, midwifery;

Dental services: dental assisting, dental hygienist, dental laboratory technician, odontology.

76 Social Services

Social care: care of the disabled, child care, youth services, gerontological services; Social work: counselling, welfare etc.

8 Services

81 Personal Services

Hotel and catering, travel and tourism, sports and leisure, hairdressing, beauty treatment and other personal services: cleaning, laundry, dry-cleaning, cosmetic services, domestic science.

84 Transport Services

Seamanship, ship's officer, nautical science, air crew, air traffic control, railway operations, road motor vehicle operations, postal service.

85 Environmental Protection

Environmental conservation, control and protection, air and water pollution control, labour protection and security.

86 Security Services

Protection of property and persons: police work and related law enforcement, criminology, fire-protection and fire-fighting, civil security;

Military.

999 Not known or unspecified

(This category is not part of the classification itself but in data collection "99" is needed for "fields of education not known or unspecified".)

APPENDIX 2: Public TEIs registered with BQA as at March 31st 2015

| INSTITUTION NAME | REGISTRATION CERTIFICATE NUMBER | HEADQUARTERS | SATELLITE CAMPUS | ADMINISTRATIVE DISTRICT |
|---|---------------------------------------|--------------|--------------------------------|----------------------------|
| Institutes of Health Sciences | | | | |
| Bamalete Lutheran School of Nursing | 558 | Ramotswa | None | South East |
| Francistown Institute of Health Sciences | 562 | Francistown | None | North East |
| Gaborone Institute of Health Sciences | 56 | Gaborone | None | South East |
| Lobatse Institute of Health Sciences | 523 | Lobatse | None | Southern |
| Molepolole Institute of Health Sciences | 544 | Molepolole | None | Kweneng |
| Serowe Institute of Health Sciences | 567 | Serowe | None | Central |
| Seventh Day Adventist School of Nursing | 565 | Kanye | None | Southern |
| Colleges of Education | | | | |
| Molepolole College of Education | 574 | Molepolole | None | Kweneng |
| Serowe College of Education | 522 | Serowe | None | Central |
| Tlokweng College of Education | 517 | Tlokweng | None | South East |
| Tonota College of Education | 56 | Tonota | None | Central |
| Technical Colleges | | | | |
| Francistown College of Technical and Vocational Education | 516 | Francistown | None | North East |
| Gaborone Technical College | 515 | Gaborone | None | South East |
| Botswana College of Engineering & Technology | 517 | Gaborone | None | South East |
| Maun Technical College | | Maun | None | Ngamiland |
| Other Colleges | | | | |
| Botswana Accountancy College | 59 | Gaborone | Francistown | South East |
| Botswana College of Agriculture | 55 | Gaborone | None | South East |
| Botswana College of Distance and Open Learning | 568 | Gaborone | Palapye, Kang, Francistown, | South East |
| Botswana Wildlife Training Institute | 576 | Maun | N/A | Ngamiland |

| INSTITUTION NAME | REGISTRATION CERTIFICATE NUMBER | HEADQUARTERS | SATELLITE CAMPUS | ADMINISTRATIVE DISTRICT |
|--|---------------------------------------|--------------|---------------------|----------------------------|
| INSTITUTION NAME | REGISTRATION CERTIFICATE NUMBER | HEADQUARTERS | SATELLITE CAMPUS | ADMINISTRATIVE DISTRICT |
| Institute Of Development Management | 551 | Gaborone | None | South East |
| Defence Command & Staff College | | Gaborone | | South East |
| Universities | | | | |
| University Of Botswana | 519 | Gaborone | Francistown | South East |
| Botswana International University Of Science & Technology | | Palapye | None | Central |

APPENDIX 3: Private TEIs registered with BQA as at March 2015

| INSTITUTION NAME | REGISTRATION CERTIFICATE NUMBER | HEADQUARTERS | SATELLITE CAMPUSES | ADMINISTRATIVE DISTRICT |
|--|---------------------------------------|--------------|-------------------------|----------------------------|
| Private Institutions | | | | |
| ABM University College | 555 | Gaborone | Francistown | South East |
| Assembly Bible College | 513 | Gaborone | None | South East |
| Ba Isago University College | 518 | Gaborone | Francistown | South East |
| Boitekanelo Training Institute | 4154 | | | |
| Bosa Bosele Training Institute | | Gaborone | Selebi Phikwe | |
| Botho University | 54 | Gaborone | Francistown, Maun | South East |
| Botswana Institute Of Bankers | | Gaborone | | South East |
| DDT College Of Medicine | | Gaborone | | South East |
| Flying Mission School | 4291 | | | |
| Gaborone Institute of Professional Studies | 54 | Gaborone | Francistown, Lobatse | South East |
| Gaborone Universal College of Law and Professional Studies | 5189 | | | |
| Imperial School of Business | | Gaborone | | South East |
| Kgolagano College of Theological Education | 58 | Gaborone | | South East |
| Limkokwing University College of Creative Technology | 443 | Gaborone | None | South East |
| Management College of South Africa | 4217 | | | |
| Megasize Business & Computer College | | Gaborone | | South East |
| New Era College of Arts, Science and Technology | 4139 | Gaborone | None | South East |

APPENDIX 4: Technical Description of performance Indicators

| INDICATOR | DEFINITION | MEASURE |
|---|--|--|
| Access | | |
| 1. Gross Intake rate (or gross admission rate Intake/admission rate at tertiary Intake/admission rate at Vocational Training Intake/admission Colleges of Education Intake/Admission Institute Of Health Sciences | New entrants to tertiary institutions <hr/> Population of age group 18 | Number of students entering tertiary Education for the first time at a given year t. Population of tertiary official entrance age , i.e. 18 years at a given year t |
| 2. Net Intake rate (or Net admission rate) Net Intake/admission rate at tertiary Net Intake/admission rate at Vocational Training Net Intake/admission Colleges of Education Net Intake/admission Institute Of Health Sciences | New entrants to tertiary for age 18 <hr/> Population of age 18 | Number of students entering tertiary at age 18 Population of students aged 18 at a given year |
| 3. Transition rate transition rate to tertiary transition rate to Vocational Training transition rate to Colleges of Education Net Intake/admission Institute Of Health Sciences | New entrants to 1 st year in a given year t <hr/> Total enrolments of form 5 of the previous year (t1) | Total number of students admitted to 1 st year in a given year t Total enrolment of Form 5 of the previous year (t1) |

| INDICATOR | DEFINITION | MEASURE |
|--|---------------------------------------|---|
| Proportion of employed Part time students* proportion of employed Part time students at tertiary proportion of employed Part time students at Vocational Training | Number of employed Part time students | Number of Part time students enrolled |
| | Total Part time students | Number of employed Part time students <i>(These could be produced by programme and Gender)</i> |

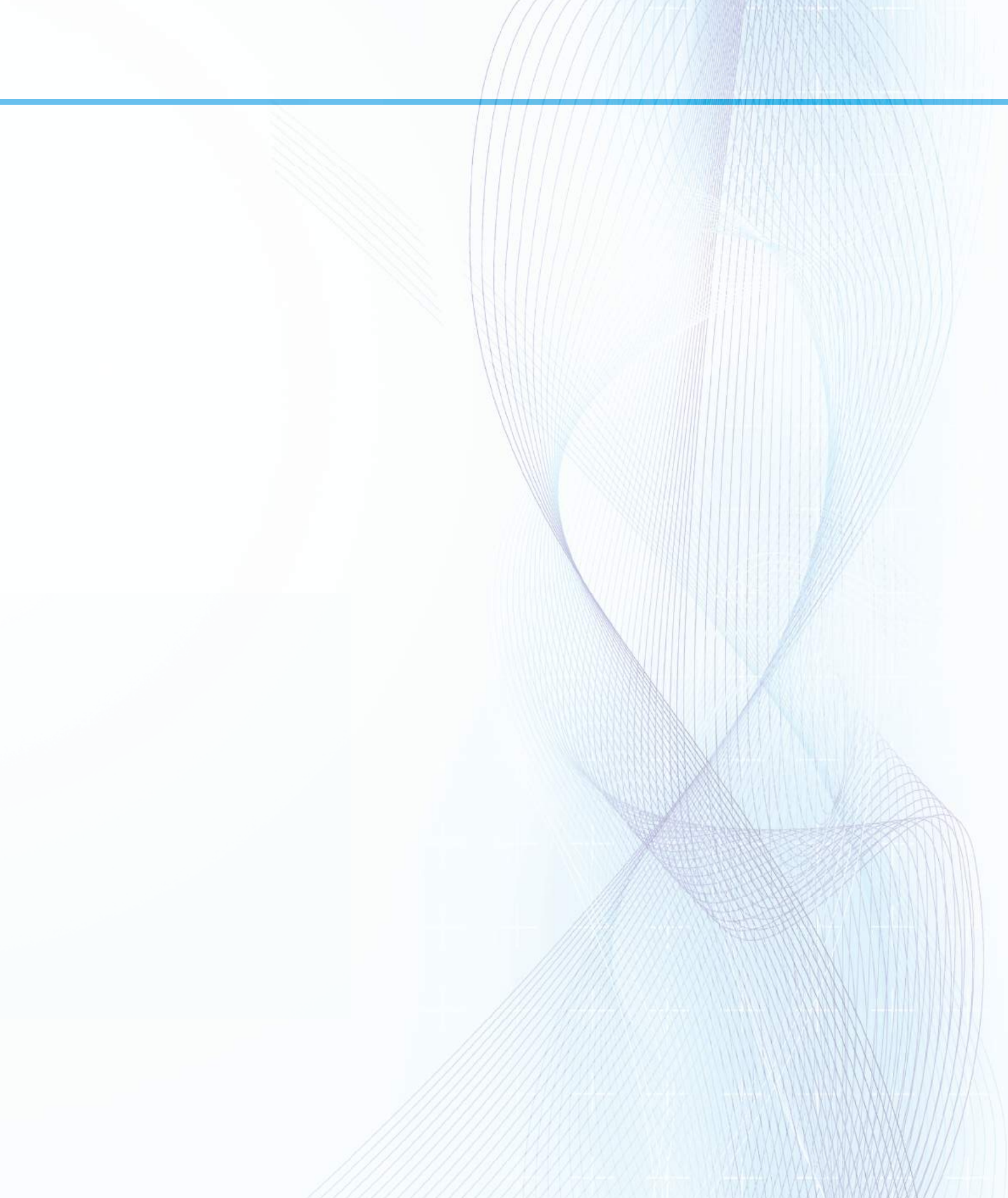
APPENDIX 4 cont'd...

| INDICATOR | DEFINITION | MEASURE |
|--|--|---|
| Coverage | | |
| 4. Gross enrolment rate | Enrolment at TE(regardless of age) Population of age group (18-24) | Total enrolment at tertiary in a given year Population of 18-24 in a given year |
| 5. Net enrolment rate | Enrolment of official age group Population of official age group | Enrolment at tertiary of the 18-24 in a given year t |
| 6. Percentage of over aged students | Overaged students in tertiary Total enrolment at tertiary | Enrolment at tertiary of the above 24 years old (These indicators can be produced by, Gender, type of institution and by International Statistical Classification of Education Data (ISCED) level |
| 7. Percentage of students out of school | Population (18-24) Enrolment (18-24) Population (18-24) | |
| 8. Promotion rate | Students promoted to the next level in a given year(t+1) Total enrolment in the previous year t | Number of student enrolled by level or by year of study |
| 9. Repetition rate | Students repeating level g in year t+1 Enrolment in level g, in year t | Number of students repeating by level or by year of study |

| INDICATOR | DEFINITION | MEASURE |
|---|---|---|
| 10. Dropout Rate | Students dropping out level g during year t Enrolment in level g in year t | Number of dropouts by level or by year of study during year t |
| Education Efficiency | | |
| Tertiary Output Graduation rate Graduation rate by programme | Number of Diplomas from enrolment in year t Total enrolment in year t | Total number of Diplomas by Gender Total number of Diplomas by programme and Gender Total enrolment by Gender <i>(these can be produced by ISCED levels)</i> |

APPENDIX 4 cont'd...

| INDICATOR | DEFINITION | MEASURE |
|---|--|---|
| Research Output Number of Master and Doctoral Number of Diploma Masters and Doctoral | Number of Masters and Doctoral Degrees in year t | |
| Academic Staff by Gender and Nationality | Number of academic staff distributed by sex and nationality | |
| Number of government sponsored outbound students | Number of students placed by the Department of Student Placement outside the country | |
| Student enrolment per 1, of the population | Proportion of Student enrolment for every 1, of the population | Number of student enrolled Population of the country |
| Post-Secondary attainment level of the population | Percentage distribution of the 25 years and above in the country with a tertiary level qualification | Number of 25 years old with tertiary Education level qualification Population of the country |



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