

# Tertiary Education Statistics 2016

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# STATISTICS BOTSWANA

**January 2017**

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## ACKNOWLEDGEMENT

The Human Resource Development Council would like to express its appreciation to all Tertiary Education Institutions and other key stakeholders for the support and cooperation in providing the required tertiary education data and information that made it possible to produce this report.

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## FOREWORD



I wish to welcome the reader to this edition of the “***Tertiary Education Statistics Report***” for the period 2015/16. The Education and training statistics contained in this report is annually collected and compiled by the Human Resource Development Council (HRDC) to monitor performance of the sector and to benchmark performance across the region and globally. Our regular readers will note that the publication has been given a fresh statistical content for easy comprehension. Essentially, the wealth of data on the education and training demographics contained herein remains comprehensive to inform and guide our key stakeholders on issues that enable decision making in their ventures. This report contains student enrolment and demographics, as well as the current trends in tertiary

education that have enabled the Government and the tertiary education providers to utilize the information to balance the requirements of both efficiency and economies of scale during these challenging times of high demand for higher education and training and youth unemployment across the globe.

The reader should take note that HRDC is mandated to collect, compile and analyse this information for a sound purpose. Knowledge and analysis emanating from this report provides the nation with indicators that inform policy, in addition it reports on development and monitoring of sector and national plans. Essentially, this publication further explores issues of coverage, access, participation, equity, sponsorship, output and staffing. It also gives an insight into the standard concepts and definitions of general indicators and provides the reader with the list of all registered public and private tertiary education and training institutions that provided the data.

Furthermore, the “***Tertiary Education Statistics Report 2016***” provides information that has been classified according to the international standard classification for education (ISCED), a tool that allows data comparison with other countries of the world.

Some highlights from the 2016 Report include the following:

- A total of 48 registered tertiary education and training institutions, 28 of which were public while 20 were private as per the Botswana Qualification Authority (BQA) register, produced data for the 2015/16 report.
- A total of 56,447 students were enrolled during 2015/16; and
- Female students constituted 57.9 percent of total student population.
- The results show a decline in student enrolment from 60,583 (2014/15) to 56,447 (2015/16).



- 
- A trend of female students' dominance across all programmes except in science and science related programmes is observed during the period 2009/10 -2015/16.
  - There is an empirical pattern of male dominance at technical and vocational colleges with a noticeable increase in female participation from the previous five years.
  - The University of Botswana's dominance in the number of students during the period 2009/10 – 2015/16.

The Human Resource Development Council gratefully appreciates the efforts of all who provided basic institutional data requested to produce this publication. It is our sincere hope that this report will provide the reader with statistical appreciation that will enable them to fully comprehend the education and training sector, especially the performance of tertiary education subsector towards the realization of the National Human Resource Development Strategy (NHRDS), the Education and Training Sector Strategy Plan (ETSSP), the Tertiary Education Policy goals and National Vision pillars.

Joyful reading,



Dr. Raphael Dingalo  
**Chief Executive Officer**  
**Human Resource Development Council**  
**January 2017**



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## PREFACE



The 2016 “*Tertiary Education Statistics*” report gives comprehensive statistics on tertiary education and training in Botswana for the academic year 2015/16.

The main purpose of producing tertiary education and training statistics is to ensure that there is sufficient real-time data and information for the Human Resource Development Council, key stakeholders and the wider National Statistical System (NSS) to assess and monitor the implementation of the Tertiary Education Policy (TEP) and the National Human Resource Development Strategy (NHRDS), which are geared towards developing relevant and globally competitive human resource in Botswana. Furthermore, these statistics provide an indication on the level of development on tertiary education in terms of the

range of education fields/programmes offered, the institutional capacities, the tertiary education outputs such as graduates by fields of education, thus reflecting the potential supply of qualified human resources in different specializations.

To ensure that the produced statistics is of quality, relevance and also meet the international standards, this report is produced and published in collaboration with Statistics Botswana (SB). Among others, the key role of Statistics Botswana includes provision of technical advice, quality assurance on data collection instruments, data standards and methodologies. We are therefore assuring the users that the statistics and information contained in this report is authentic and can be used and quoted with the highest level of confidence.

We sincerely thank all the tertiary institutions in Botswana, both public and private for their significant contribution towards the production of this report. We urge these institutions to continue cooperating in providing the required data on time.

A handwritten signature in black ink, appearing to read 'Majelantle'.

Anna. N. Majelantle  
**Statistician General**  
**Statistics Botswana**  
January 2017

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## LIST OF ACRONYMS

BEC	Botswana Examination Council
BOTA	Botswana Training Authority
BQA	Botswana Qualifications Authority
ETSSP	Education and Training Sector Strategic Plan
GTER	Gross Tertiary Enrolment Ratio
HRDC	Human Resource Development Council
ISCED	International Standard Classification of Education
MFDP	Ministry of Finance and Development Planning
MLHA	Ministry of Labour and Home Affairs
MoESD	Ministry of Education and Skills Development
NDPs	National Development Plans
NHRDS	National Human Resource Development Strategy
OECD	Organization for Economic Cooperation and Development
SB	Statistics Botswana
SDG	Sustainable Development Goals
SSB&L	Social Science, Business and Law
TR	Transition rate
TVET	Technical and Vocational Education Training
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
UNESCO	United Nations Educational, Scientific and Cultural Organisation
UIS	UNESCO Institute for Statistics (UIS)

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## ESTABLISHMENT OF THE HUMAN RESOURCE DEVELOPMENT COUNCIL

### INTRODUCTION

The Human Resource Development Council (HRDC) is a parastatal under the Ministry of Education and Skills Development (MoESD) established through the Human Resource Development Council Act No 17 of 2013 as a national human resource development advisory and supervisory body. The establishment of HRDC as an act of change, represent a clear acknowledgement from the Government of Botswana for the need to drive effective HRD through engagement of key stakeholders from being resource driven to a knowledge based economy. The Council became operational on 8<sup>th</sup> November 2013 to drive the achievement of the following overarching objectives:

- 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.

In view of the above, the HRDC mandate reflects a pursuit to develop Botswana's human resource into a globally competitive pool of talent through coordinating the implementation of the National Human Resource Development Strategy (NHRDS). The Council prides itself with the following vision and mission respectively:

***To make Botswana's human resource globally competitive by 2026***

**&**

***To advise, plan, fund and coordinate the development of Botswana's human resource to achieve a knowledge based economy by engaging and integrating stakeholders.***

The core business of the HRDC is therefore centred on issues of planning and funding of the human resource development from early childhood to lifelong education. In order to execute its mandate, the Council requires information about the historical and current state on the basis of which the future state can be set. Measurable and monitoring indicators for the education sector is therefore key for HRDC and different stakeholders (Financers, Employers, Tertiary Institutions, Ministries and General public) to inform planning and evidence based decision making. The purpose of 2015/16 Tertiary Education Statistics report is therefore to provide current statistics and data to support the mandate of the Council and its stakeholders and also to monitor progress towards attainment of the set goals. The report also serves as a basis for international reporting to the United Nations Educational, Scientific and Cultural Organisation (UNESCO). The UNESCO Institute for



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Statistics (UIS) is the statistical office of UNESCO which requires data and information on annual basis from all member states.

## **OBJECTIVES OF TERTIARY EDUCATION STATISTICS REPORT**

The objectives of the Tertiary Education Statistics Report are to:

- a) Produce accurate, relevant and up-to-date statistics on the state of tertiary education in Botswana;
- b) Provide statistics to aid planning and monitoring of performance of institutions;
- c) Provide the information that guide strategic decisions on the sector;
- d) Enable policy makers to assess efficiency and effectiveness of the system;
- e) Inform the employers and the public of the different programmes of study and enrolments by year of study;
- f) Provide statistics for further research, monitoring and evaluation of institutional mission, goals and continued relevance; and
- g) Produce data on key indicators for international comparability

## **METHODOLOGY**

This section provides the explanations of the various aspects of how the Tertiary Education Statistics 2015/16 report was compiled. The coverage of the Tertiary Education Statistics 2015/16 report included the entire national tertiary education system for all public and private institutions that were registered and accredited by the Botswana Qualifications Authority (BQA) as at 2015/16 financial year. The 2015/16 Institutional Census framework was developed and approved by HRDC Management in the month of June 2015 and it allowed capacity building workshops and data collection exercise to be carried out at all the Tertiary Education Institutions (TEIs). This however excludes collection from the Brigades/Community Institutions and other registered institutions which offer short courses with the maximum duration of 6 months.

The exercise started with capacity building workshops for six newly registered Institutions and five Technical Colleges (Jwaneng, Maun, Oodi, Palapye and Selibe-Phikwe) which were coming on board for the first time. It must be noted that these technical colleges were not newly established but were not included in the 2014/15 census which was made up of those that were accredited with BQA as higher education providers. The information contained in this report was therefore collected from 48 registered tertiary education institutions, both public and private as per the BQA registration and excludes the brigades or vocational schools as mentioned earlier. Data collection started in October 2015 and ended at the end of February 2016. The instruments used for data collection were fifteen (15) internally designed excel spreadsheets, administered to tertiary education institutions. Each of the TEIs was expected to populate these 15 Excel templates and send them back to HRDC.

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Data collected 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 level, outcome and context indicators that deal with issues of access to education, equity and participation, that were identified as challenges to the sector by the Tertiary Education Policy of 2008. Administrative records were also sourced from key stakeholders in the provision of education and related statistics such as Statistics Botswana, Ministry of Education and Skills Development, Ministry of Finance and Development Planning (MFDP), Ministry of Labour and Home Affairs (MLHA), Botswana Examination Council (BEC) as well as other relevant stakeholders.

Data cleaning and analysis was done at HRDC using Microsoft Excel and for international comparison, data was also classified according to the International Standard Classification of Education 2011 (ISCED 2011). Comparison was made on Gross Tertiary Enrolment ratio (GTER) for peer countries in the region namely South Africa and Mauritius, and New Zealand, to benchmark performance of Botswana.

## **METHODOLOGICAL CHALLENGES**

- ✚ Lack of data especially in some tertiary education institutions limits the scope for the development of some indicators and compilation of statistics required for providing information in planning and decision making.
- ✚ Inconsistency of data submitted by institutions limits calculations of some indicators which rely on previous submissions (Example include retention rates, progression and repetition rates).
- ✚ Late submission by institutions (beyond reference period).

## KEY TERTIARY EDUCATION RELATED INDICATORS

Indicator	Disaggregation	Indicator Measure	Data Source
Total Population (2011)	National Male Female	2,024,904 1,035,946 988,958	Statistics Botswana (2011): Population Census Report
Total Projected Population (18-24 years) for 2015	National Male Female	292,395 149,590 142,805	Statistics Botswana (2015): Population Projection Report
Literacy Rate 15-65 years olds (2014)	National Male Female	88.6% 87.5% 89.6%	Statistics Botswana (2014): Literacy Survey 2014 Statistical Brief
2015/16 Total Tertiary Education Enrolment	National Male Female	56,447 23,777 32,670	HRDC (2016): 2015/16 Tertiary Education at Glance
2015 Tertiary Education Gross Enrolment Ratio (18-24 years)	National Certificate Diploma Bachelors and above	19.3% 1.7% 5.6% 12.0%	HRDC (2016): 2015/16 Tertiary Education at Glance Statistics Botswana (2015): Population Projection Report
Transition Rate (2015/16)– Upper Secondary to Tertiary	National Public TEIs Private TEIs	39.95 23.34 16.60	HRDC (2016): 2015/16 Tertiary Education at Glance Botswana Examination Council (2015)

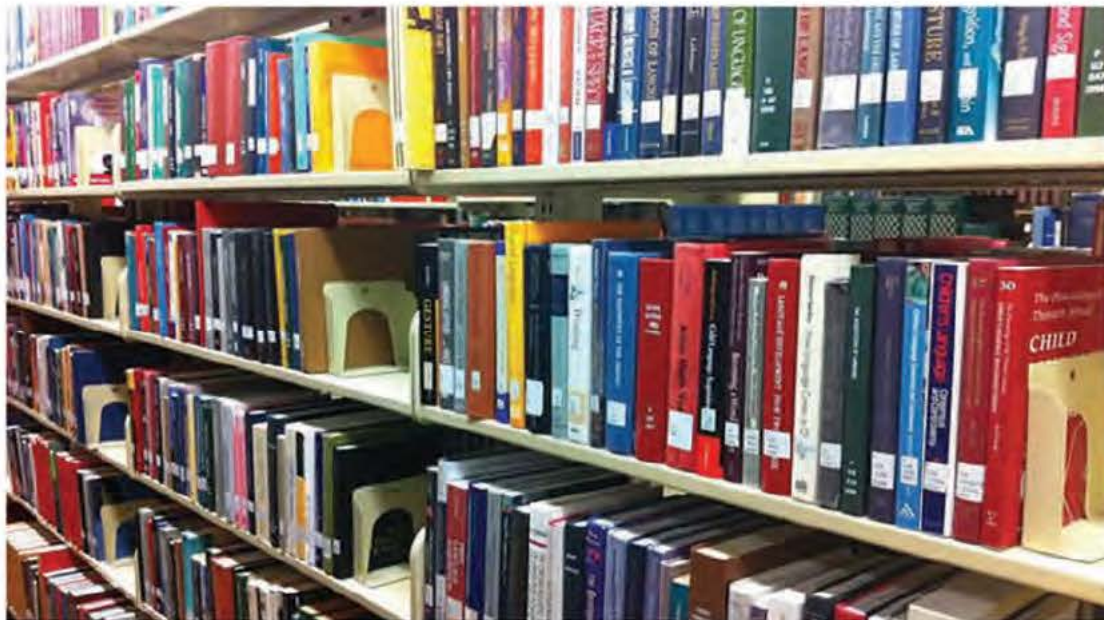


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# Chapter

# A

## ACCESS TO TERTIARY EDUCATION: PARTICIPATION AND PROGRESSION



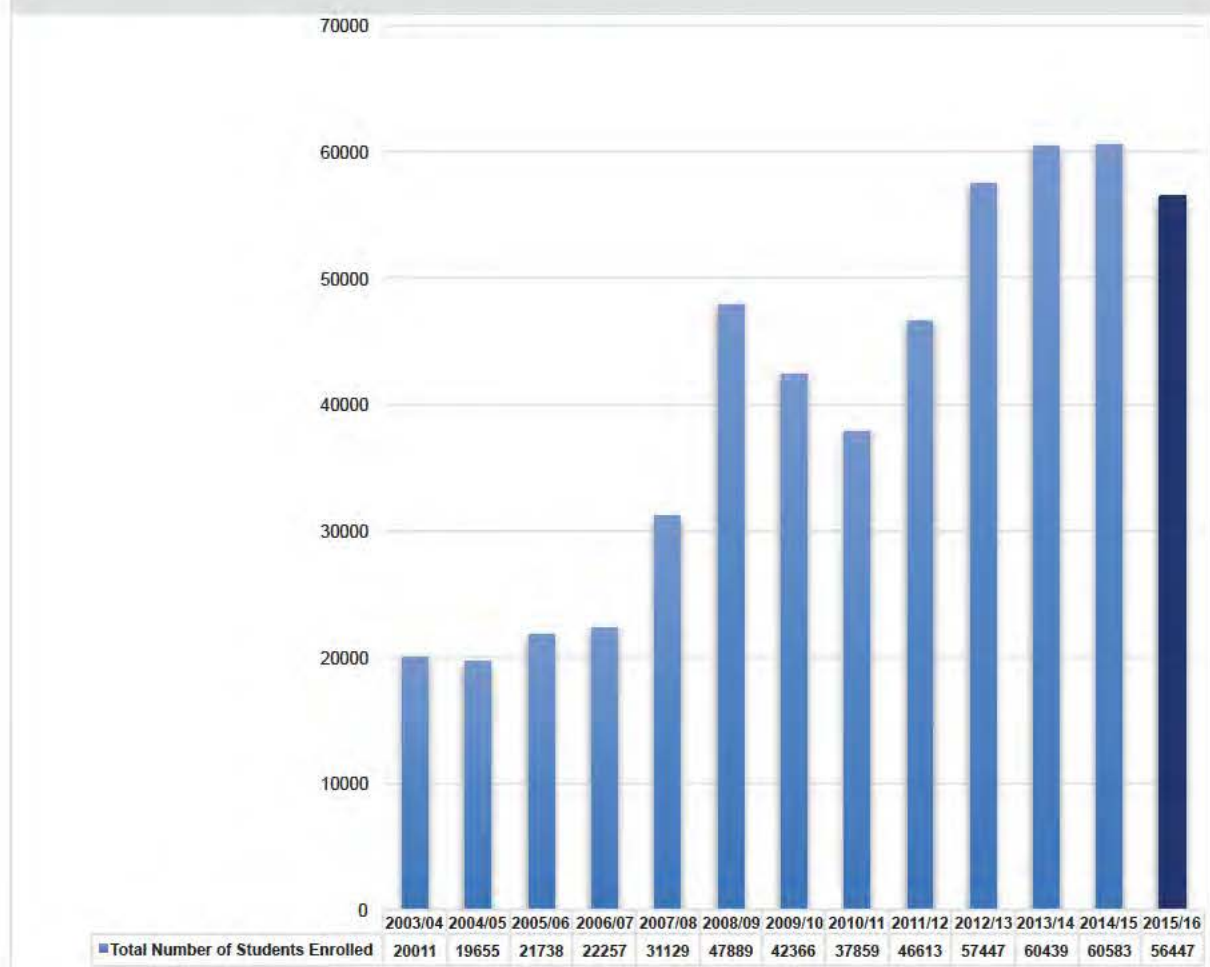
## A1

### PARTICIPATION IN TERTIARY EDUCATION

Participation in tertiary education means accessing the tertiary education and is an indicator of comparative effectiveness of Botswana's Tertiary Education (TE) system level in developing the skills. It provides a proxy for the milestone in the development of Botswana as an informed society and a strategic framework that will help realise the potentials of future generations of Botswana. Over the past thirteen years, Botswana's tertiary education system was able to increase the enrolment from 20,011 in 2003 to 56,447 in 2015. This percentage increase of 182% signifies the country's progress towards being a knowledge based society and the ability to produce competitive human resource by 2026. Below is a summary of tertiary enrolments trends in Botswana.

**Chart A1. 1: Tertiary Enrolment trend (2003/04-2015/16)**

*This graph depicts the student enrolment trends in tertiary education from 2003/04 academic year to 2015/16*



Source: Tertiary Education Institutions 2015

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## **Key Results**

Chart A1.1 shows that participation has been steadily rising since 2003/04 with a sharp decline over the two years (2009/10 and 2010/11) coinciding with the economic depression of 2008/09. A depressed trend experienced between 2003/04 and 2006/07 represents a disquieting epoch in the developmental phase of tertiary education in Botswana when there was no system coordination mainly due to the absence of the overall tertiary education policy. The phase also represents a proliferation of unregistered private tertiary education providers whose contribution was not being captured and recognised and hence the low levels of learner enrolments as recorded in the official documents and reports about the status of tertiary education in Botswana. It is also during that period of unregistered private tertiary providers that the government of Botswana placed a high number of tertiary students externally to augment the existing internal capacity.

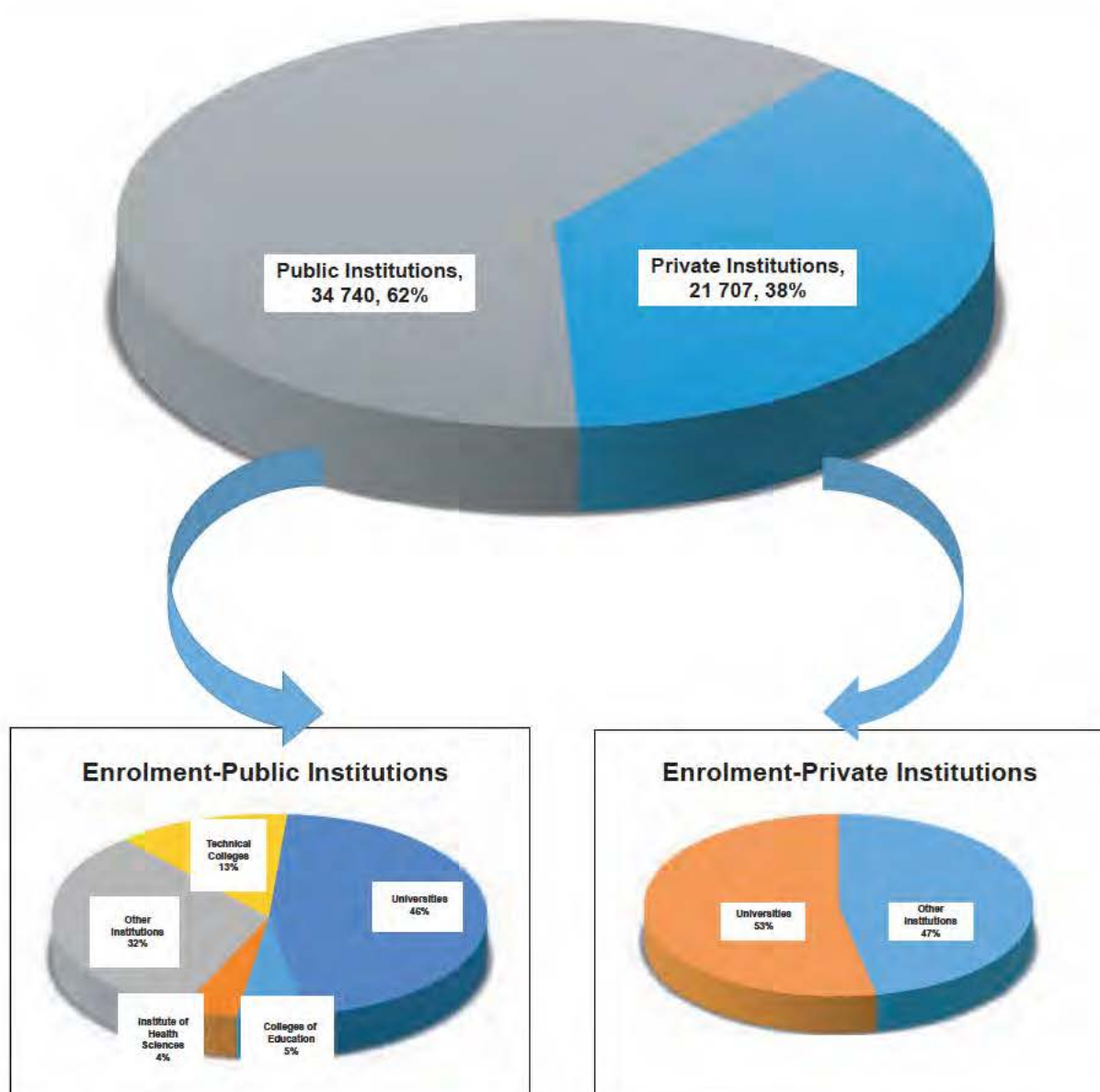
The introduction of the Tertiary Education Policy (TEP) in 2008 eased coordination and promotion of tertiary education subsector. Statutory instruments were designed to facilitate registration and accreditation of tertiary institutions as well as quality assurance of programmes offered. This resulted in recognition and registration of tertiary private providers and unswervingly increasing the capacity of the TEIs. Parallel to that, the decision made by the government of Botswana to sponsor students in private tertiary institutions made a positive significant change in the number of students enrolled in private local tertiary institutions. This therefore means that a lot of students were enrolled in these institutions and thus an increase in enrolments was realised. Chart A1.1 also shows that there is a significant increase in student enrolment by more than one hundred percent following the implementation of Tertiary Education Policy.

In view of the above, there was also an increase in the number of institutions registered to provide tertiary education services. In 2007 a total of 29 institutions were registered and the number increased to 38 in 2014/15. During 2015/16 institutional census the number stood at 48, comprising of 28 public and 20 private institutions which collectively had registered a total of 56,447 students. This increased participation may imply that Botswana is able to develop and maintain a highly educated labour force. The 2008 economic recession resulted in a decrease of student enrolment from 47,889 to 42,366 and 37,849 in 2008/9 and 2009/10 respectively. However, recent positive changes in Botswana's Gross Domestic products (GDP) over the past four years translated in an increase in tertiary enrolment as illustrated in chart A1.1. As for the reference, there was a decrease of almost 4,000 students registered between 2014/15 and 2015/16 as represented by chart A1.1.



**Chart A1.2: Share of Students Enrolment**

*Percentage share of students between the private and public tertiary Institutions-2015/16*



**Source: Tertiary Education Institutions 2015**

Chart A1.2 shows that for 2015/16, the public enrolment share stood at 62 percent with private at 38%. It can also be noted that the majority of tertiary students are registered in universities (both Private & Public) and this is illustrated by percentage share of 46 and 53, respectively. Strategic prioritization by the Government with a deep focus on encouraging participation in Technical and Vocational Education and Training (TVET) has resulted in 13 percent of total student enrolment in public institutions being in TVET.



**Table A1. 1: Student Enrolment by type of Institution and Gender - 2015/16**

Type of Institution	Female	Male	Total	% Female
Other Private Institution <sup>1</sup>	6,394	3,802	10,196	62.7
Private Universities <sup>2</sup>	6,287	5,224	11,511	54.6
College of Education <sup>3</sup>	1,229	588	1,817	67.6
Institute of Health Sciences <sup>4</sup>	897	550	1,447	62.0
Technical Colleges <sup>5</sup>	1,854	2,514	4,368	42.4
Other Public Colleges <sup>6</sup>	7,225	3,873	11,098	65.1
Public Universities <sup>7</sup>	8,784	7,226	16,010	54.9
<b>GRAND TOTAL</b>	<b>32,670</b>	<b>23,777</b>	<b>56,447</b>	<b>57.9</b>

Source: Tertiary Education Institutions 2015

<sup>1</sup> **Private Institutions include:** ABM University College (ABMUC), AFDA Botswana College, Arthur Portland

<sup>2</sup> **Private Universities:** Ba Isago University (BIU), Botho University (BU), Limkokwing University of Creative Technology (LUCT).

<sup>3</sup> **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).

<sup>4</sup> **Institute of Health Sciences include:** Bamaletle Lutheran School of Nursing (BLSN), Francistown Institute of Health Sciences (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).

<sup>5</sup> **Technical Colleges include:** Botswana College of Engineering and Technology (BCET), Francistown College of Technical and Vocational Education (FCTVE), Gaborone Technical College (GTC), Jwaneng Technical College (JTC), Maun Technical College (MTC), Oodi College of Applied Arts and Technology (OCAAT), Palapye Technical College (PTC) and Selibe-Phikwe Technical College (SPTC).

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

<sup>7</sup> **Public Universities include:** Botswana International University of Science and Technology (BIUST) Botswana University of Agriculture & Natural Sciences (BUAN), and University of Botswana (UB).

**Table A1. 2: Student Enrolment by type of Qualification and Gender - 2015/16**

Qualification Level	Female	Male	Total	% Female
Certificate <sup>8</sup>	2,369	2,471	4,840	48.95
Diploma <sup>9</sup>	10,123	6,341	16,464	61.49
Bachelor's Degree	16,929	12,525	29,454	57.48
Master's Degree	1,203	1,045	2,248	53.51
Master of Philosophy (MPhil)	61	87	148	41.22
Post Graduate Diploma (PGD)	304	146	450	67.56
Doctor of Philosophy (PhD)	42	91	133	31.58
Professional Courses	1,580	1,056	2,636	59.94
Non Purpose Degree <sup>10</sup>	59	15	74	79.73
<b>GRAND TOTAL</b>	<b>32,670</b>	<b>23,777</b>	<b>56,447</b>	<b>57.88</b>

Source: Tertiary Education Institutions 2015

<sup>8</sup> Advanced Certificate is classified under certificate

<sup>9</sup> Diploma programmes include advanced diploma and associate degree

<sup>10</sup> Exchange programmes for international students offered at University of Botswana

**Table A1. 3: Student Enrolment by Type of Institution and Level of Qualification - 2015/16**

Tertiary Education Institution TYPE	Certificate	Diploma	Bachelors Degree	Masters Degree	Master Philosophy	Post Graduate Degree	Doctor of Philosophy	Prof Courses	Non Degree Purpose	Grand Total
Private Institutions	250	3,306	5,854	114				672		10,196
Private Universities	123	3,507	7,320	39		33		489		11,511
Colleges of Education		1,817								1,817
Institutes of Health Sciences		1,447								1,447
Other Colleges	1,841	3,814	3,498	432		38		1,475		11,098
Technical Colleges	2,626	1,742								4,368
Public Universities		831	12,782	1,663	148	379	133		74	16,010
<b>GRAND TOTAL</b>	<b>4,840</b>	<b>16,464</b>	<b>29,454</b>	<b>2,248</b>	<b>148</b>	<b>450</b>	<b>133</b>	<b>2,636</b>	<b>74</b>	<b>56,447</b>

Source: Tertiary Education Institutions 2015

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## Key Results

Table A1.1 shows that the total female enrolment in 2015/16 was 32,670 being 57.9 percent of the total enrolment in tertiary institutions. This translates into enrolment Gender Parity Index (GPI) of more than one (1). The female enrolment was above 50 percent across all types of institutions except for technical colleges where it stood at 42.4 percent. Colleges of education recorded the highest percentage (67.6%) of female enrolment within institutions.

Furthermore, Table A1.2 shows that female enrolment was above 50 percent across all qualification levels except for certificate, Master of Philosophy and Doctor of Philosophy programmes. It should be noted that this trend of higher percentage of female enrolment by qualification was observed mainly in undergraduate qualification. The table also shows that the number of males enrolled for post graduate qualifications (Master of Philosophy and Doctor of Philosophy) almost doubles that of females indicating that females are less represented in these levels of qualifications.

Table A1.3 shows that public universities had the highest enrolment; 16,010 followed by private universities with 11,511. Total enrolment in Other Colleges and Other Private Institutions was at 11,098 and 10,196 respectively. Institute of Health Sciences had the lowest enrolment standing at 1,447. The increased number of enrolment in private institutions is attributed to the fact that government avails equal opportunities of student sponsorship regardless of whether the student is enrolled in a public or private institutions. Bachelor's Degree had the highest enrolment, followed by Diploma and certificate programmes. Technical Colleges recorded the highest certificate enrolment standing at 2,626 (54.3%) and the highest Diploma enrolment was in other colleges with the highest Bachelor's Degree enrolment being at public universities, 3,814 (23.2%). A total of 74 students were recorded under Non Purpose Degree programme, these are international students on exchange programmes with the University of Botswana.

**\*\*\* A summary of student enrolment by tertiary education institutions, qualification level and different academic years is shown in Table A1.4.**



**Table A1. 4 : Student Enrolment by TEIs Type, Qualification Level and Academic Year**

Type of Institution	Qualification Level	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
<b>PRIVATE INSTITUTIONS</b>	Certificate	780	461	644	971	617	1,062	373
	Diploma	13,432	7,572	4,724	10,771	12,634	9,971	6813
	Bachelor's Degree	2,810	5,479	6,845	8,854	10,794	13,135	13,174
	Master's Degree	0	0	20	26	118	111	153
	Doctor of Philosophy	0	0	0	0	0	0	0
	PGD		0	0	0	0	117	33
	Professional Courses	350	95	395	2,013	2,156	1,429	1161
	<b>Total</b>	<b>17,372</b>	<b>13,607</b>	<b>12,628</b>	<b>22,635</b>	<b>26,319</b>	<b>25,825</b>	<b>21,707</b>
<b>COLLEGE OF EDUCATION</b>	Diploma	2,469	2,277	1,967	2,542	2,859	2,417	1,817
<b>HEALTH SCIENCES</b>	Diploma	1,706	1,625	1,530	1,639	1,567	1,435	1,447
<b>OTHER COLLEGES</b>	Certificate	0	0	231	235	547	339	1,841
	Diploma	2,223	2,549	7,053	6,064	1,452	2,776	3,814
	Bachelor's Degree	1,418	1,716	2,270	2,212	3,894	4,058	3,498
	Master's Degree	137	138	210	272	334	214	432
	MPhil	6	10	12	4	0	0	0
	Doctor of Philosophy	0	0	0	0	2	5	0
	PGD	0	0	0	0	0	0	38
	Professional Courses	1,247	415	1,960	2,029	2,347	1,420	1,475
	<b>Total</b>	<b>5,031</b>	<b>4,828</b>	<b>11,736</b>	<b>10,816</b>	<b>8,576</b>	<b>8,812</b>	<b>11,098</b>
<b>TECHNICAL COLLEGES</b>	Certificate	1,362	291	683	1,111	1,160	1,037	2626
	Diploma	121	290	391	738	935	1,526	1742
	Professional Courses	0	0	0	0	449	0	0
	PGD	0	0	0	0	0	156	0
	<b>Total</b>	<b>1,483</b>	<b>581</b>	<b>1,074</b>	<b>1,849</b>	<b>2,544</b>	<b>2,719</b>	<b>4,368</b>
<b>PUBLIC UNIVERSITIES</b>	Certificate	13	25	17	2	0	0	0
	Diploma	1,979	2,027	2,428	1,728	1,523	1,523	831
	Bachelor's Degree	10,898	11,520	13,771	14,682	15,214	16,013	12,782
	Master's Degree	1,169	1,138	1,185	1,212	1,444	1,447	1,663
	MPhil	58	106	101	73	114	114	148
	Doctor of Philosophy	50	44	59	52	89	89	133
	PGD	138	81	117	217	189	189	379
	Non Purpose Degree							74
	<b>Total</b>	<b>14,305</b>	<b>14,941</b>	<b>17,678</b>	<b>17,966</b>	<b>18,573</b>	<b>19,375</b>	<b>16,010</b>
<b>GRAND TOTAL</b>		<b>42,366</b>	<b>37,859</b>	<b>46,613</b>	<b>57,447</b>	<b>60,439</b>	<b>60,583</b>	<b>56,447</b>

Source: Tertiary Education Institutions 2009-2015

**Table A1. 5: Share of Total Student Enrolment by Institution – 2010/11 - 2015/16**

TEI STATUS	TEI TYPE2	2009/10	% Share	2010/11	% Share	2011/12	% Share	2012/13	% Share	2013/14	% share	2014/15	% share	2015/16	% share
PRIVATE	Other Institutions	13,407	31.6	9,761	25.7	7,734	16.6	17,416	30.3	20,200	33.5	19,897	32.8	10,196	18.1
	University	3,965	9.4	3,846	10.2	4,894	10.5	5,219	9.1	6,120	10.1	5,928	9.8	11,511	20.4
	<b>Total</b>	<b>17,372</b>	<b>41</b>	<b>13,607</b>	<b>35.9</b>	<b>12,628</b>	<b>27.1</b>	<b>22,635</b>	<b>39.4</b>	<b>26,320</b>	<b>43.6</b>	<b>25,825</b>	<b>42.6</b>	<b>21,707</b>	<b>38.5</b>
PUBLIC	College of Education	2,469	5.8	2,277	6	1,967	4.2	2,542	4.4	2,859	4.7	2,417	4	1,817	3.2
	Health Sciences	1,706	4	1,625	4.3	1,530	3.3	1,639	2.9	1,567	2.6	1,435	2.4	1,447	2.6
	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	11,098	19.7
	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	4,368	7.7
	University	14,305	33.8	14,941	39.5	17,678	37.9	17,966	31.3	18,573	30.7	19,375	32	16,010	28.4
	<b>Total</b>	<b>24,994</b>	<b>59</b>	<b>24,252</b>	<b>64.1</b>	<b>33,985</b>	<b>72.9</b>	<b>34,812</b>	<b>60.6</b>	<b>34,119</b>	<b>56.4</b>	<b>34,758</b>	<b>57.4</b>	<b>34,740</b>	<b>61.5</b>
<b>GRAND TOTAL</b>		<b>42,366</b>	<b>100</b>	<b>37,859</b>	<b>100</b>	<b>46,613</b>	<b>100</b>	<b>57,447</b>	<b>100</b>	<b>60,439</b>	<b>100</b>	<b>60,583</b>	<b>100</b>	<b>56,447</b>	<b>100</b>

Source: Tertiary Education Institutions 2009-2015

**Table A1. 6: Student Enrolment by International Standard Classification of Education (ISCED) and Gender - 2015/16**

ISCED BROAD GROUP <sup>11</sup>	Female	Male	Total	% Female
Agriculture	386	457	843	45.8
Education	4,005	1,724	5,729	69.9
Engineering, Manufacturing & Construction	2,300	5,404	7,704	29.9
Health & Welfare	4,135	1,998	6,133	67.4
Humanities & Arts	1,582	1,188	2,770	57.1
Science	3,064	3,929	6,993	43.8
Services	2,567	1,503	4,070	63.1
Social Science, Business & Law	14,572	7,559	22,131	65.8
Non Degree purpose	59	15	74	79.7
<b>GRAND TOTAL</b>	<b>32,670</b>	<b>23,777</b>	<b>56,447</b>	<b>57.9</b>

Source: Tertiary Education Institutions 2015

<sup>11</sup> Refer to Appendix 1 for information on ISCED broad category and field of education classification



**Table A1. 7: Student by ISCED Broad Group, Field of Education and Gender - 2015/16**

ISCED BROAD GROUP	ISCED FIELD OF EDUCATION	Female	Male	Total	% Female
AGRICULTURE	Agriculture, Forestry & Fishery	386	457	843	45.8
EDUCATION	Teacher Training & Education Science	4,005	1,724	5,729	69.9
ENGINEERING, MANUFACTURING & CONSTRUCTION	Architecture and Building	780	1,643	2,423	32.2
	Engineering & Engineering Trades	728	3,081	3,809	19.1
	Manufacturing and Processing	792	680	1,472	53.8
	<b>Total</b>	<b>2,300</b>	<b>5,404</b>	<b>7,704</b>	<b>29.9</b>
HEALTH AND WELFARE	Health	3,302	1,850	5,152	64.1
	Social Services	833	148	981	84.9
	<b>Total</b>	<b>4,135</b>	<b>1,998</b>	<b>6,133</b>	<b>67.4</b>
HUMANITIES AND ARTS	Arts	454	620	1,074	42.3
	Humanities	1,128	568	1,696	66.5
	<b>Total</b>	<b>1,582</b>	<b>1,188</b>	<b>2,770</b>	<b>57.1</b>
SCIENCE	Computing	2,389	2,952	5,341	44.7
	Life Science	573	782	1,355	42.3
	Mathematics & Statistics	30	47	77	39.0
	Physical Science	72	148	220	32.7
	<b>Total</b>	<b>3,064</b>	<b>3,929</b>	<b>6,993</b>	<b>43.8</b>
SERVICES	Business and Administration	538	264	802	67.1
	Environmental Protection	160	238	398	40.2
	Personal Services	1,218	500	1,718	70.9
	Security Services	512	362	874	58.6
	Transport Services	139	139	278	50.0
	<b>Total</b>	<b>2,567</b>	<b>1,503</b>	<b>4,070</b>	<b>63.1</b>
SOCIAL SCIENCES, BUSINESS AND LAW	Business and Administration	12,268	6,222	18,490	66.3
	Journalism & Information	580	300	880	65.9
	Law	471	283	754	62.5
	Social & Behavioural Sciences	1,253	754	2,007	62.4
	<b>Total</b>	<b>14,572</b>	<b>7,559</b>	<b>22,131</b>	<b>65.8</b>
NON DEGREE PURPOSE	Non Degree Purpose	59	15	74	79.7
<b>GRAND TOTAL</b>		<b>32,670</b>	<b>23,777</b>	<b>56,447</b>	<b>57.9</b>

Source: Tertiary Education Institutions 2015



**Table A1. 8: Student Enrolment by ISCED Broad Group Classification, Field of Education and Academic Year – 2010/11 - 2015/16**

ISCED BROAD GROUP	ISCED FIELD OF EDUCATION	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
AGRICULTURE	Agriculture, Forestry & Fishery	943	1,010	966	1,324	1,139	940	843
EDUCATION	Teacher Training & Education Science	4,824	4,864	5,059	8,089	7,883	7,726	5,729
ENGINEERING, MANUFACTURING & CONSTRUCTION	Architecture and Building	1,009	997	776	1,417	2,527	2,694	2,423
	Engineering & Engineering Trades	1,635	728	1,368	1,954	2,470	3,250	3,809
	Manufacturing and Processing	262	256	357	568	1,221	1,353	1,472
	<b>Total</b>	<b>2,906</b>	<b>1,981</b>	<b>2,501</b>	<b>3,939</b>	<b>6,218</b>	<b>7,297</b>	<b>7,704</b>
HEALTH AND WELFARE	Health	2,224	2,238	2,298	3,796	2,927	3,261	5,152
	Social Services	448	470	413	663	975	839	981
	<b>Total</b>	<b>2,672</b>	<b>2,708</b>	<b>2,711</b>	<b>4,459</b>	<b>3,902</b>	<b>4,100</b>	<b>6,133</b>
HUMANITIES AND ARTS	Arts	2,022	1,364	1,012	1,676	1,524	1,514	1,074
	Business and Administration	-	5	48	106	-	-	-
	Humanities	2,248	2,296	2,487	2,093	2,710	2,473	1,696
	<b>Total</b>	<b>4,270</b>	<b>3,665</b>	<b>3,547</b>	<b>3,875</b>	<b>4,234</b>	<b>3,987</b>	<b>2,770</b>
SCIENCE	Computing	6,746	2,620	6,378	7,531	8,175	7,223	5,341
	Life Science	24	68	21	21	1,558	1,602	1,355
	Mathematics & Statistics	35	18	141	104	79	112	77
	Physical Science	1,256	1,150	1,332	1,341	192	292	220
	<b>Total</b>	<b>8,061</b>	<b>3,856</b>	<b>7,872</b>	<b>8,997</b>	<b>10,004</b>	<b>9,229</b>	<b>6,993</b>

**Table A1.8 Cont'd**

ISCED BROAD GROUP	ISCED FIELD OF EDUCATION	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
SERVICES	Business and Administration	-	-	-	14	-	-	802
	Environmental Protection	49	33	61	50	224	348	398
	Personal Services	1,999	1,298	873	1,531	2,079	2,457	1,718
	Security Services	117	67	103	119	908	921	874
	Transport Services	-	-	-	45	-	-	278
	<b>Total</b>	<b>2,165</b>	<b>1,398</b>	<b>1,037</b>	<b>1,759</b>	<b>3,229</b>	<b>3,726</b>	<b>4,070</b>
SOCIAL SCIENCES, BUSINESS AND LAW	Business and Administration	12,914	14,307	15,570	18,038	16,863	14,780	18,490
	Journalism & Information	649	482	695	1,212	690	707	880
	Law	576	662	810	884	1,488	1,298	754
	Personal Services	95	73	75	82	-	-	-
	Social & Behavioural Sciences	2,291	2,853	5,259	4,770	4,720	6,623	2,007
	Transport Services	-	-	-	19	-	-	-
	<b>Total</b>	<b>16,525</b>	<b>18,377</b>	<b>22,409</b>	<b>25,005</b>	<b>23,761</b>	<b>23,408</b>	<b>22,131</b>
NOT KNOWN/ UNSPECIFIED	Not Known/ Unspecified	-	-	511	-	69	170	-
NON DEGREE PURPOSE	Non Degree Purpose	-	-	-	-	-	-	74
<b>GRAND TOTAL</b>		<b>42,366</b>	<b>37,859</b>	<b>46,613</b>	<b>57,447</b>	<b>60,439</b>	<b>60,583</b>	<b>56,447</b>

Source: Tertiary Education Institutions: 2009- 2015

**Table A1. 9: Student Enrolment by International Standard Classification of Education and Level of Qualification - 2015/16**

ISCED Broad Group	Post							Non Degree Purpose	Grand Total
	Certificate	Diploma	Bachelors Degree	Masters Degree	Master Philosophy	Graduate Degree	Doctor of Philosophy		
Agriculture	-	140	657	44	-	2	-	-	843
Education	368	2,541	1,905	453	35	17	410	-	5,729
Engineering, Manufacturing & Construction	1,685	2,804	2,953	233	15	14	-	-	7,704
Health & Welfare	153	2,812	2,980	176	8	4	-	-	6,133
Humanities & Arts	266	842	1,489	140	13	18	-	2	2,770
Science	306	688	5,664	249	23	52	-	11	6,993
Services	425	1,164	2,294	74	23	10	-	80	4,070
Social Science, Business & Law	1,597	5,821	11,315	879	31	16	40	2,432	22,131
Non Degree purpose	-	-	-	-	-	-	-	-	74
GRAND TOTAL	4,800	16,812	29,257	2,248	148	133	450	2,525	56,447

Source: Tertiary Education Institutions 2015



**Table A1. 10: Student Enrolment by ISCED Broad Group Classification, Qualification and Gender - 2015/16**

ISCED Broad Group	Qualification Level	Male	Female	Total	% Female
AGRICULTURE	Diploma	88	52	140	37.1
	Bachelor's Degree	342	315	657	47.9
	Master's Degree	26	18	44	40.9
	Doctor of Philosophy	1	1	2	50.0
	<b>Total</b>	<b>457</b>	<b>386</b>	<b>843</b>	<b>45.8</b>
EDUCATION	Certificate	172	196	368	66.4
	Diploma	654	1,887	2,541	74.3
	Bachelor's Degree	574	1,331	1,905	69.9
	Master's Degree	171	282	453	62.3
	Master of Philosophy	12	23	35	65.7
	Doctor of Philosophy	9	8	17	47.1
	Post Graduate Diploma	132	278	410	67.8
	<b>Total</b>	<b>1,724</b>	<b>4,005</b>	<b>5,729</b>	<b>70.9</b>
ENGINEERING, MANUFACTURING AND CONSTRUCTION	Certificate	1,251	434	1,685	26.0
	Diploma	1,898	906	2,804	32.3
	Bachelor's Degree	2,075	878	2,953	29.7
	Master's Degree	158	75	233	32.2
	Master of Philosophy	13	2	15	13.3
	Doctor of Philosophy	9	5	14	35.7
	<b>Total</b>	<b>5,404</b>	<b>2,300</b>	<b>7,704</b>	<b>29.9</b>
HEALTH AND WELFARE	Certificate	15	138	153	90.2
	Diploma	891	1,921	2,812	68.3
	Bachelor's Degree	1,026	1,954	2,980	65.6
	Master's Degree	62	114	176	64.8
	Master of Philosophy	3	5	8	62.5
	Doctor of Philosophy	1	3	4	75.0
	<b>Total</b>	<b>1,998</b>	<b>4,135</b>	<b>6,133</b>	<b>67.4</b>
HUMANITIES AND ARTS	Certificate	131	135	266	50.8
	Diploma	432	410	842	48.7
	Bachelor's Degree	555	934	1,489	62.7
	Master's Degree	46	94	140	67.1
	Master of Philosophy	9	4	13	30.8
	Doctor of Philosophy	13	5	18	27.8
	Post Graduate Diploma	0	0	0	0.0
	Professional Courses	2	0	2	0.0
	<b>Total</b>	<b>1,188</b>	<b>1,582</b>	<b>2,770</b>	<b>57.1</b>



ISCED Broad Group	Qualification Level	Male	Female	Total	% Female
SCIENCE	Certificate	129	177	306	57.8
	Diploma	324	364	688	52.9
	Bachelor's Degree	3,262	2,402	5,664	42.4
	Master's Degree	160	89	249	35.7
	Master of Philosophy	13	10	23	43.5
	Doctor of Philosophy	36	16	52	30.8
	Post Graduate Diploma	0	0	0	0.0
	Professional Courses	5	6	11	54.5
	<b>Total</b>	<b>3,929</b>	<b>3,064</b>	<b>6,993</b>	<b>43.8</b>
SERVICES	Certificate	138	287	425	67.9
	Diploma	457	707	1,164	60.7
	Bachelor's Degree	790	1,504	2,294	65.6
	Master's Degree	42	32	74	43.2
	Master of Philosophy	12	11	23	47.8
	Doctor of Philosophy	9	1	10	10.0
	Post Graduate Diploma	0	0	0	0.0
	Professional Courses	55	25	80	31.3
	<b>Total</b>	<b>1,503</b>	<b>2,567</b>	<b>4,070</b>	<b>63.1</b>
SOCIAL SCIENCES, BUSINESS AND LAW	Certificate	612	985	1,597	61.7
	Diploma	1,697	4,124	5,821	70.8
	Bachelor's Degree	3,857	7,458	11,315	66.0
	Master's Degree	380	499	879	56.8
	Master of Philosophy	25	6	31	20.0
	Doctor of Philosophy	13	3	16	18.8
	Post Graduate Diploma	14	26	40	65.0
	Professional Courses	961	1,471	2,432	61.8
	<b>Total</b>	<b>7,559</b>	<b>14,572</b>	<b>22,131</b>	<b>66.0</b>
NON DEGREE PURPOSE	Certificate	0	0	0	29.2
	Diploma	0	0	0	0.0
	Bachelor's Degree	0	0	0	42.4
	Master's Degree	0	0	0	0.0
	Master of Philosophy	0	0	0	0.0
	Doctor of Philosophy	0	0	0	0.0
	Post Graduate Diploma	0	0	0	0.0
	Professional Courses	0	0	0	22.9
	Non Degree Purpose	15	59	74	79.7
	<b>Total</b>	<b>15</b>	<b>59</b>	<b>74</b>	<b>40.5</b>
<b>GRAND TOTAL</b>		<b>23,777</b>	<b>32,670</b>	<b>56,447</b>	<b>57.9</b>

Source: Tertiary Education Institutions 2015



**Table A1. 11: Student Enrolment by TEIs, ISCED and Gender - 2015/16**

TEI TYPE2	ISCED BROAD GROUP	Female	Male	Total	% Female
PRIVATE INSTITUTIONS	Education	132	10	142	93.0
	Eng, Manufacturing & Construction	227	816	1,043	21.8
	Health And Welfare	1,845	708	2,553	72.3
	Humanities And Arts	161	173	334	48.2
	Science	95	79	174	54.6
	Services	942	513	1,455	64.7
	Social Sciences, Business & Law	2,992	1,503	4,495	66.6
	<b>Total</b>	<b>6,394</b>	<b>3,802</b>	<b>10,196</b>	<b>62.7</b>
PRIVATE UNIVERSITIES	Agriculture	0	1	1	0
	Education	318	79	397	80.1
	Eng, Manufacturing & Construction	681	950	1,631	41.8
	Health And Welfare	433	251	684	63.3
	Humanities And Arts	319	431	750	42.5
	Science	1,407	1,743	3,150	44.7
	Services	652	339	991	65.8
	Social Sciences, Business & Law	2,477	1,430	3,907	63.4
	<b>Total</b>	<b>6,287</b>	<b>5,224</b>	<b>11,511</b>	<b>54.6</b>
COLLEGES of EDUCATION	Education	1,229	588	1,817	67.6
HEALTH SCIENCES	Health And Welfare	897	550	1,447	62.0
OTHER COLLEGES	Eng, Manufacturing & Construction	36	48	84	42.9
	Health And Welfare	282	73	355	79.4
	Humanities And Arts	186	71	257	72.4
	Education	664	136	800	83.0
	Science	292	410	702	41.6
	Services	372	294	666	55.9
	Social Sciences, Business & Law	5,222	2,639	7,861	66.4
	<b>Total</b>	<b>7,054</b>	<b>3,671</b>	<b>10,725</b>	<b>65.8</b>
TECHNICAL COLLEGES	Education	103	144	247	41.7
	Eng, Manufacturing & Construction	736	2,009	2,745	26.8
	Humanities And Arts	31	92	123	25.2
	Science	231	188	419	55.1
	Services	285	85	370	77.0
	Social Sciences, Business & Law	639	198	837	76.3
	<b>Total</b>	<b>2,025</b>	<b>2,716</b>	<b>4,741</b>	<b>42.7</b>

**Table A1.11 Cont'd.....**

TEI TYPE2	ISCED BROAD GROUP	Female	Male	Total	% Female
PUBLIC UNIVERSITIES	Education	1,559	767	2,326	67.0
	Eng, Manufacturing & Construction	620	1,581	2,201	28.2
	Agriculture	386	456	842	45.8
	Health And Welfare	678	416	1,094	62.0
	Humanities And Arts	885	421	1,306	67.8
	Science	1,039	1,509	2,548	40.8
	Services	316	272	588	53.7
	Social Sciences, Business & Law	3,242	1,789	5,031	64.4
	Non Degree Purpose	59	15	74	79.7
	<b>Total</b>	<b>8,784</b>	<b>7,226</b>	<b>16,010</b>	<b>54.9</b>
<b>GRAND TOTAL</b>		<b>32,670</b>	<b>23,777</b>	<b>56,447</b>	<b>57.9</b>

*Source: Tertiary Education Institutions 2015*

### ISCED Key Highlights

The results show that female participation was higher across most of the broad groups of ISCED except for Agriculture (45.8 %), Science (43.8%) and Engineering, Manufacturing & Construction which had the lowest female proportion standing at 29 percent. Furthermore, female enrolment was below 35 percent in all fields of education within the Engineering, Manufacturing and Construction broad group except for the Manufacturing and processing field in which female enrolment was at 53.8 percent. On the other hand, table A1.6 and A1.7 show that female enrolment was below 45 percent in all fields of education in the Science broad group. According to tables A1.8 & A1.11, enrolment in Private Institutions and Universities (public and private) has been over the years mostly concentrated in Social Sciences, Business and Law.

Out of the 56,447 total enrolment in 2015/2016, only 2,396 were enrolled in Masters and Master of Philosophy programmes and 133 in Doctor of Philosophy programmes. This is an indication that there is need for a strategy to improve enrolments in post graduate programmes especially in the fields of Science, Agriculture, Engineering, Manufacturing and Construction which are earmarked towards diversifying the economy of Botswana. The increase in participation for Masters and Doctor of Philosophy qualification levels will also ensure achievement of the knowledge based economy.



**Table A1. 12: Student Enrolment by ISCED Classification and Share of the Total Enrolment: 2009/2010 – 2015/16**

ISCED BROAD GROUP	2009/10	% Share	2010/11	% Share	2011/12	% Share	2012/13	% Share	2013/14	% Share	2014/15	% Share	2015/16	% Share
Agriculture	943	2.2	1,010	2.7	966	2.1	1,324	2.3	1,139	1.9	940	1.6	843	1.5
Education	4,824	11.4	4,864	12.8	5,059	10.9	8,089	14.1	7,883	13	7,726	12.8	5,729	10.1
Engineering, Manufacturing & Construction	2,906	6.9	1,981	5.2	2,501	5.4	3,939	6.9	6,218	10.3	7,297	12	7,704	13.6
Health And Welfare	2,672	6.3	2,708	7.2	2,711	5.8	4,459	7.8	3,944	6.5	4,100	6.8	6,133	10.9
Humanities & Arts	4,270	10.1	3,665	9.7	3,547	7.6	3,875	6.7	4,234	7	3,987	6.6	2,770	4.9
Science	8,061	19	3,856	10.2	7,872	16.9	8,997	15.7	10,037	15.8	9,229	15.2	6,993	12.4
Services	2,165	5.1	1,398	3.7	1,037	2.2	1,759	3.1	3,154	6	3,726	6.2	4,070	7.2
Social Sciences, Business & Law	16,525	39	18,377	48.5	22,409	48.1	25,005	43.5	23,761	39.3	23,408	38.6	22,131	39.2
Not Known/Unspecified	-	-	-	-	511	1.1	-	-	69	0.1	170	0.3	-	-
Non Purpose Degree	-	-	-	-	-	-	-	-	-	-	-	-	74	0.1
<b>GRAND TOTAL</b>	<b>42,366</b>	<b>100</b>	<b>37,859</b>	<b>100</b>	<b>46,613</b>	<b>100</b>	<b>57,447</b>	<b>100</b>	<b>60,439</b>	<b>100</b>	<b>60,583</b>	<b>100</b>	<b>56,447</b>	<b>100</b>

Source: Tertiary Education Institutions 2009- 2015

## ENROLMENT BY PRIVATE TERTIARY EDUCATION INSTITUTIONS AND ACADEMIC YEARS

**Table A1.13 i: Enrolment by TEIs and Academic Year – ABM University College  
– 2011/12 -2015/16**

<b>ABM University College</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
Advanced Certificate CIPS				11	10		
International Certificate CIPS					12		
Certificate in (Accounting & Finance)			3		1		
Certificate in (Business Information Systems)			14	12			
Certificate in Business Management			106	106	5		
Certificate in (Computer Engineering)			1	12	8		
Certificate in (Electrical & Electronic Engineering)			2		4		
Certificate in Financial Management						1	
Certificate in (Human Resource Management)			211	211	12	6	
Certificate in (Marketing Management)			114		4		
Certificate in (Purchasing & Supply)			7	10		9	5
Certificate in (Procurement And Supply)			14		16		5
Certificate in Secretarial Studies			18	1	11	18	
Chartered Institute off Purchasing & Supply			14		16		
Advanced Diploma in Accounting & Finance			38	62	10		
Advanced Diploma in Business Admin /Management(Abe)			72	156	140	40	
Advanced Diploma in Business Info System (Abe)			37	20	100	30	5
Advanced Diploma in CIPS					58		1
Advanced Diploma in Computer Engineering			8	6	22	16	6
Adv. Diploma in Electrical & Electronics Engineering ( City & Guilds)			29	12	205	124	93
Advanced Diploma in Financial Management (Abe)				16	78		1



**Table A1.13i Cont'd.....**

<b>ABM University College</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
Advanced Diploma In Human Resource Management			109	326	186	38	2
Advanced Diploma In Marketing			145	8	33		
Advanced Diploma In Procurement And Supply						64	57
Advanced Diploma In Purchasing and Supply Management(ICM)			1		7		
Advanced Diploma In Secretarial Studies				131	84	50	5
Advanced Diploma In Tourism Management			20	19	52		
Adv. Diploma In Travel, Tourism & Hospitality (Abe)				4	2	1	
Diploma in Accounting & Finance			87	159	4		
Diploma in Business Information Systems			52	67	3		
Diploma in Business Management			151	229	16	2	
Diploma in CIPS					16	7	
Diploma in Computer Engineering			37	34			
Diploma in Computing				1			
Diploma Electrical & Electronic Engineering			100	45	12		1
Diploma in Financial Management				45	2	2	1
Diploma in Human Resource Management			333	351	56	30	
Diploma in Marketing, Advertising& Public Relations			3				
Diploma Marketing Management			65	97	6		
Diploma Purchasing & Supply Management			9		3		4
Diploma in Secretarial studies			63	48	55	22	27
Diploma in Tourism Management			87	40	5		
Progression Diploma in Tourism Management				34			
Chartered Institute of Purchasing Supply			8				



**Table A1.13i Cont'd.....**

<b>ABM University College</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
BA (Hons) Business Management			110	100	449	275	192
Chartered Institute of Purchasing Supply			8				
BA (Hons) Business Management			110	100	449	275	192
BA (Hons) Human Resource Management			57	94	529	398	173
BA (Hons) Marketing			68	64	137		153
BA (Hons) Marketing Management					446	258	6
BA (Hons) Tourism Management			83	68	238	180	131
Ba (Hons) Tourism & Hospitality Management							36
BSc (Hons) Accounting And Finance			96	58	341	222	157
BSc (Hons) Financial Management					3		8
BSc (Hons) Business Information Systems					4		
<b>TOTAL</b>			<b>2,370</b>	<b>2,780</b>	<b>3,385</b>	<b>1,793</b>	<b>1,069</b>

**Table A1.13 ii: Enrolment by TEIs and Academic Year – Ba Isago University – 2011/12 - 2015/16**

<b>BA ISAGO UNIVERSITY</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
Bachelor of Accounting Sciences (Financial Accounting)				13	14	10	3
Bachelor of Accounting (Management Accounting)					4		
Bachelor of Arts					5		
Bachelor of Arts (Health Science & Social Services)							2
Bachelor of Arts (Health Services Mgt, Edu Com health)							1
Bachelor of Commerce (Accounting)					96	95	105
Bachelor of Commerce (Banking & Finance)					320	369	413
Bachelor of Commerce (Economics)					1		44
Bachelor of Commerce (Entrepreneurship)			80	52	50	41	40
Bachelor of Commerce (Financial Management)			63	106	85	38	32
Bachelor of Commerce (Generic)							1
Bachelor of Commerce (Human Resource Mgt)			63	63	98	67	51
BComm (Industrial & Organizational Psychology)				12	12	11	6
Bachelor of Commerce (Logistics Management)			23	8	15	3	2
Bachelor of Commerce (Management & Accounting)				28	26	11	6
Bachelor of Commerce (Marketing Management)			177	63	69	49	36
Bachelor of Commerce (Real Estate)					136	235	351
Bachelor of Commerce (Risk Management)				63	285	281	261
Bachelor of Commerce (Risk Mgt & Insurance)			47	45	84	120	141
Bachelor of Commerce (Strategic Supply Management)			58	20	18	8	2
Bachelor of Commerce (Transport & Logistics)				19	22	21	9
Bachelor of Communication (Science)					1		
Bachelor of Computing (Financial Accounting)							2
Bachelor of Computing (Management Accounting)							1



**Table A1.13ii Cont'd.....**

<b>BA ISAGO UNIVERSITY</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
Bachelor of Education (Early Child Development)					75	122	
Bachelor of Education (General)					1	7	3
Bachelor of Education (International & Senior Phase)							1
Bachelor of Education (Social Studies)					17	17	
Bachelor of Law			1		3		2
Bachelor of Science (Agriculture)							1
Bachelor of Science (Quantity Surveying)						37	91
Bachelor of Technology (Security Management)				35			
Bachelor of Technology (Breech) (Safety Management)			33		4	2	3
BICA				39	49		
Certificate In Real Estate			9		73	53	64
Certified Accounting Technician- CAT				286	178	22	24
Certified Accounting Technician (Diploma)			520				
Certificate in Business Management					54	30	21
Certificate in Court Administration					5	18	
Certificate in Law					26	23	
Certificate In Vocational Education & Training					10	21	
Diploma In Accounting				73	184	207	119
Diploma In Court Administration			55	90	127	162	130
Diploma In Entrepreneurship					21	33	20
Diploma In Insurance					17	21	16
Diploma In Law					46	94	63
Diploma in Marketing					118	78	100
Diploma in Marketing Management						36	
Diploma in Occupational Health and Safety							124



**Table A1.13ii Cont'd.....**

<b>BA ISAGO UNIVERSITY</b>			2011/12	2012/13	2013/14	2014/15	2015/16
Diploma In Real Estate				120	299	283	203
Diploma In Transport & Logistics				45	174	226	120
Diploma In Transport Management & Logistics							
National diploma in Safety Management			114	78	56	19	6
National Professional Diploma in Education			54	57	72	68	84
National Diploma in Security Risk					2		
Postgraduate Diploma in Education					1	5	
Post Graduate Diploma in Educational Leadership and Management					4		
<b>GRAND TOTAL</b>			<b>1,297</b>	<b>1,315</b>	<b>2,955</b>	<b>2,943</b>	<b>2,708</b>

**Table A1.13 iii: Enrolment by TEIs and Academic Year – Boitekanelo College – 2011/12 - 2015/16**

<b>BOITEKANELO COLLEGE</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
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	65
Diploma In Emergency Care Technology				306	350	303	158
Diploma In Health Education And Promotion				220	271	189	106
Higher Diploma In Pharmacy					43	116	182
Diploma In Health Care Management				237	279	247	152
Diploma In Occupational Health And Safety				414	447	419	199
Bachelor Degree In Counselling					68	91	116
Bachelor Degree In Health Promotion & Education					37	93	172
Bachelor Degree In Emergency Medical Care						44	170
Bachelor Degree In Occupational Health Safety					51	124	336
Bachelor Degree In Health Care Management					34	99	283
Bachelor Degree In Nutrition And Dietetics						16	113
National Diploma In Clinical Technology						11	55
<b>GRAND TOTAL</b>				<b>1,676</b>	<b>1,861</b>	<b>1,972</b>	<b>2,107</b>



**Table A1.13 iv: Enrolment by TEIs and Academic Year – Botho University – 2011/12 - 2015/16**

<b>BOTHO UNIVERSITY</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Certificate in Computing				16		40	1
Certificate in Cost and Revenues				4			
Certificate (Honours) in Business & IT Skills			112	3			
Certificate NIIT Programmes						11	
Post Graduate Certificate In Higher Education					58	112	3
Diploma in Accounting						1	2
Diploma in Business Management						1	5
Diploma in Computing				3		47	8
Diploma In Finance							1
Diploma in Info Technology (Software/ Network Engineering)				180	39		
Diploma (Honours) in Business & IT Skills			15				
Diploma (Honours) in Information Technology (Software/Network Engineering)			10	3			
Professional Diploma (Hons) in Business Management							1
Professional Diploma (Honours) in Computing				149	106	18	204
Prof Diploma (Honours) in Health Information Management						5	1
Prof Diploma (Hons) in Jewellery Mgt and Design							42
Professional Diploma (Hons) Network Security & Computer Forensic							7
Post Graduate Diploma in Higher Education							29
Bachelor of Education (Honours) Primary Education							3
Bachelor of Engineering (Computer Engineering)							36
Bachelor of Engineering (Electrical Engineering)							80
Bachelor of Science (Honours) in Accounting					328	937	428
Bachelor of Science (Hons) in Business Management					207	56	179



**Table A1.13iv Cont'd.....**

<b>BOTHO UNIVERSITY</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
BSC (Honours) In Computing - Software Specialization						65	
Bachelor of Science (Honours) In Computing				3,249	502	32	268
Bachelor of Science (Honours) in Computing					3,030	1,999	1,784
Bachelor of Science (Hons) in Computing And Its Practice					445	498	
Bachelor of Science (Honours) in Finance							73
Bachelor of Science (Hons) in Health Information Management					204	694	556
Bachelor of Science (Hons) in Hospitality Management							64
BSC (Hons) in Jewellery Management & Design							22
Bachelor of Science (Hons) in Mobile Computing					19	39	46
Bachelor of Science (Hons) in Multimedia Systems							47
Bachelor of Science (Hons) in Network Security & Forensics					64	497	321
Bachelor of Science (Hons) in Sports Management							33
Master of Education in Higher Education							26
Master of Science in Computing (Teesside University)			7	12	4	9	4
Master of Science in Computer Systems Management							9
AAT			376	312	1022	689	239
ACCA			10	358	34	7	68
BICA				145	19	43	14
Chartered Institute of Managements Accountants			1	306	39	128	67
Communication and Study Skills 2010							2
Faculty of Computing Exchange Programme							3
ICDL				33			
Professional Development Programmes - Attendance							83
<b>GRAND TOTAL</b>			<b>4,894</b>	<b>5,219</b>	<b>6,120</b>	<b>5,928</b>	<b>4,759</b>

**Table A1.13 v: Enrolment by TEIs and Academic Year – Imperial School of Business – 2012/13 – 2015/16 /**

<b>IMPERIAL School of Business</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Association of Accounting Technicians (ACCA)				98	287	191	193
Certificate In Procurement and Supply Operations (CIPS)						4	4
Certificate In Business Management				12	54		
Certificate In Human Resource Management				15	76		
Certificate In Marketing Management				46	115		
Certificate In Tourism, Travel & Hospitality				3	77		
(CIMA) Chartered Institute Of Management Accountants						2	10
Adv. Diploma In Advertising, PR & Marketing Management				12	69	28	28
Advanced Diploma In Business Skills						25	
Advanced Diploma In Business Management				14	14	61	37
Advanced Diploma In Human Resource Management				19	23	51	43
Advanced Diploma In Marketing Management							56
Advanced Diploma In Tourism, Travel & Hospitality				7	6	64	44
Diploma In Business Management							11
Diploma In Business Studies				33	61		25
Diploma In Human Resource Management							1
Diploma In Marketing Management						56	
Diploma In Travel, Tourism & Hospitality Management							14
Bachelor of Business Admin In Entrepreneurship							7
Bachelor of Business Admin In Finance & Banking							40
Bachelor of Business Admin In Travel Tourism And Hospitality							11
Degree In Entrepreneurial Management						17	
ICDL						8	8
Unclassified					41		
<b>Grand Total</b>				<b>271</b>	<b>823</b>	<b>507</b>	<b>532</b>



**Table A1.13 vi: Enrolment by TEIs and Academic Year – GIPS – 2011/12 - 2015/16**

<b>GIPS</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Bachelor of Arts(Hons) Business Management				62	20		12
Bachelor of Arts (Hons) Business Studies						6	
Bachelor of Business Admin (Accounting & Finance)				130	357	367	
Bachelor Of Business Admin Business Management				243	242	210	
Bachelor of Business Administration (Marketing)					156	240	286
Bachelor of Business Admin (Human Resource Management)						23	
Bachelor of Business Admin (Strategic Management)						286	332
Bachelor of Business Admin (Travel &Tourism Management)			190	760	800		
Bachelor of Commerce Banking & Finance							39
Bachelor of Commerce Entrepreneurship							14
Bachelor of Science Business Information Sys							3
Bachelor of Science (Hons) Business Infor Technology					168		
Bachelor of Science Computer Science						62	51
Bachelor of Science Forensic Accounting & Finance							19
Bachelor of Science Information Technology				229	35		
Association of Accounting Technicians				418	431	250	89
Abe Advanced Diploma In Business Management				153	130	11	8
Abe In Human Resource Management							19
Association of Chartered Certified Accountants				18	18	25	28
Advanced Diploma Business Skills					160	59	20
Advanced Diploma Business Studies						6	
Adv. Diploma In Human Resource Management				116	110	57	
Advanced Diploma Information Technology					414		
Advanced Diploma International Tourism				14	14	86	2



**Table A1.13vi Cont'd.....**

<b>GIPS</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Advanced Diploma Travel And Tourism						23	
Certificate Business Management				22			
Certificate in Human Resource Management				21			
Certificate In Tourism				76	76		
Certificate In Information Technology					149		
Diploma In Business Management				344	366	14	
Diploma In Human Resource Management				385	406	5	4
Diploma In Sales And Marketing				9		4	
Diploma In Tourism				47	47		
Diploma In Information Technology					88		
Diploma In Business Skills					13		
Diploma In Entrepreneurship					37	123	54
Diploma In Accounting						86	
Diploma In Computing						293	94
Graduate Diploma In Sales And Marketing				3	11		
Higher Diploma In Sales And Marketing				34	9		
NCC International Advanced Diploma In Computer Studies				126			
NCC International Certificate In Computer Studies				9			
NCC International Diploma In Computer Studies				365			
Professional Diploma In Sales Marketing				11	34		
<b>Grand Total</b>				<b>2,462</b>	<b>3,287</b>	<b>3,186</b>	<b>2,451</b>

**Table A1.13 vii: Enrolment by TEIs and Academic Year – Gaborone Academy – 2011/12 - 2015/16**

<b>GABORONE ACADEMY</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
Advanced Certificate in Business Skills							1
Certificate in Business Studies						3	
Certificate in Information systems						1	
Certificate in Human Resource Management						2	
Certificate in Marketing, Advertising & Public Relations							2
Diploma in Business Skills					5	2	
Diploma in Business Studies					1		
Diploma in Human Resource Management					2		
Diploma in Marketing , Advertising & Public Relations					9	9	
International Certificate in Computer Studies							1
Association of Accounting Technicians (ACCA)					23	44	30
<b>Total</b>					<b>40</b>	<b>61</b>	<b>34</b>

**Table A1.13 viii: Enrolment by TEIs and Academic Year – GUCL – 2011/12 - 2015/16**

<b>GUCL</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Diploma in Law			133	233	690	415	298
Diploma in Early Childhood Education						144	42
Adv. Diploma in Purchasing and Supply Management						55	52
Diploma in Court Administration						16	22
Advanced Diploma in Criminology						8	
Advanced Diploma in Occupational health & Safety Environment law						252	197
Advanced Diploma in Security Management and Legal Studies						37	21
Bachelor of Arts (Public Health)							75
Bachelor of Business Administration (Security management)							27
Bachelor of Business Administration (Occupational Health & Safety)							135
Bachelor of Commerce in Purchasing & Supply management							24
Bachelor of Commerce in Travel & Tourism							3
Bachelor of Education (Early childhood Education)							36
<b>Grand Total</b>			<b>133</b>	<b>233</b>	<b>690</b>	<b>927</b>	<b>932</b>



**Table A1.13 ix: Enrolment by TEIs and Academic Year – Limkokwing University  
– 2011/12 - 2015/16**

<b>Limkokwing University</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Associate Degree in Advertising			130	146	107	108	65
Associate Degree in Architecture			306	330	275	268	186
Associate Degree in Broadcasting (Radio & TV)			92	152	252	252	175
Associate Degree in Business Information Sys			195	229	216	217	129
Associate Degree in Business Info Technology			13	10	5	5	5
Associate Degree in Business Management			200	350	248	247	124
Associate Degree in Creative Multimedia			64	45	177	177	147
Associate Degree in Creative Writing				2			
Associate Degree in Digital Photography			18	28	24	24	13
Associate Degree in Digital Video			4	27	44	44	19
Associate Degree in Event Management				2	34	33	27
Associate Degree in Fashion & Apparel Design			34	23	93	92	90
Associate Degree in Fine Art			2	19	92		83
Associate Degree in Furniture Design			54	24	19	19	12
Associate Degree in Graphic Design			133	152	103	102	60
Associate Degree in Hotel Management			13	15	40	40	28
Associate Degree in Information Technology			112	56	26	25	11
Associate Degree in Interior Design			67	77	77	76	58
Associate Degree in International Tourism			5	6	1	1	
Associate Degree in Journalism & Media			95	217	286	283	163
Associate Degree in Marketing			36	106	130	129	52
Associate Degree in Merchandising & Retailing			48	106	79	79	58
Associate Degree in Merchandising Design				1			
Ass Degree in Multimedia & Software Engineering			42	29			2



**Table A1.13 ix Cont'd.....**

<b>Limkokwing University</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
Ass Degree in Packaging Design and Technology			31	41	55	55	36
Associate Degree in Public Relations							8
Associate Degree in Software Engineering			119	67	14	14	8
Associate Degree in Sound Technology			81	140	129	128	84
Associate Degree in Textile			29	204	238	238	127
Associate Degree in Tourism Management			93	58	206	206	181
Associate Degree in TV & Film Production			30	108	128	128	83
Associate Degree in Mobile Computing					4	4	4
Associate Degree in Retail Management							23
Associate Degree in Web Design			52	149	89	89	48
Bachelor of Business(Hons) in Tourism Management			228	627	279	276	174
Bachelor of Business(Hons) in Entrepreneurship			117	395	125	125	55
Bachelor of Business(Hons) in International Business			138	300	201	197	187
Bachelor of Design (Hons) Professional Design			11	148	141	139	75
Bachelor of Arts (Hons) in Creative Multimedia			126	220	118	118	71
Bachelor of Arts (Hons) in Broadcasting & Journalism			105	404	260	260	351
Bachelor of Arts (Hons) in Digital Film & Television			12	89	68	68	109
Bachelor of Arts (Hons) in Event Management			2	201	60	60	70
Bachelor of Arts (Hons) in Industrial Design			14	195	59	59	69
Bachelor of Arts (Hons) in Professional Communication			35	85	31	31	5
Bachelor of Arts in Interior Architecture			126	233	174	169	177
Bachelor of Science (Hons) in Electronic Commerce			78	267	108	106	50
Bachelor of Science (Hons) in Information Technology			224	342	52	52	30
BSC (Hons) in Software Engineering with Multimedia			151	246	148	143	126
<b>Grand Total</b>			<b>3,596</b>	<b>6,838</b>	<b>5,081</b>	<b>5,044</b>	<b>3,658</b>

**Table A1.13 x: Enrolment by TEIs and Academic Year – MANCOSA –  
2011/12 - 2015/16**

<b>MANCOSA</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Bachelor Of Business Administration			99	135	377	458	361
Bachelor Of Commerce (Human Resource Management)			87	93	215	231	147
Bachelor Of Commerce (Marketing)			50	96	217	246	171
Bachelor Of Public Administration			4	4	11	16	11
Master Of Business Administration			13	14	79	102	114
<b>GRAND TOTAL</b>			<b>253</b>	<b>342</b>	<b>899</b>	<b>1,053</b>	<b>804</b>



**Table A1.13 xi: Enrolment by TEIs and Academic Year – New Era College – 2011/12 - 2015/16**

NEW ERA COLLEGE	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Certificate in Construction Industry						208	56
Certificate in Electrical and Electronics Engineering						295	
Certificate in Telecommunications						134	3
Diploma in Accommodation Operations & Services				148	86	10	
Diploma in Construction Industry						56	148
Diploma in Electrical and Electronics Engineering						171	221
Diploma in Telecommunications						88	119
Diploma in Travel, Tourism and Hospitality Management						35	
Advanced Diploma in Accommodation Operations & Services						28	10
Advanced Diploma In Construction Industry (CITY AND GUILDS)				487	626	469	74
Advanced Diploma in Electrical and Electronics Engineering (CITY& GUILDS)				407	613	315	140
Advanced Diploma Telecommunications Systems (CITY AND GUILDS)				367	318	149	40
Advanced Diploma in Travel, Tourism & Hospitality				5	35		24
Bachelor of Communications Engineering							45
Bachelor of Electrical and Electronics Engineering							75
<b>GRAND TOTAL</b>				<b>1,414</b>	<b>1,678</b>	<b>1,958</b>	<b>955</b>

**Table A1.13 xii: Enrolment by TEIs and Academic Year – Other Private Colleges – 2011/12 - 2015/16**

<b>AFDA College</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Bachelor of Arts (Live Performance)							31
Bachelor of Arts (Motion Picture)							55
Higher Certificate In Film, TV & Entertainment Production							25
Honours In Motion Picture							4
Honours In Live Performance							51
<b>Total</b>							<b>166</b>
<b>Assembly Bible</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Diploma in Biblical Theology and Ministry			35	32	29	33	37
<b>Total</b>			<b>35</b>	<b>32</b>	<b>29</b>	<b>33</b>	<b>37</b>
<b>AUTHUR Portland</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Association Of Accounting Technicians							20
Association of Chartered Certified Accountants (ACCA)							118
Botswana Institute of Chartered Accountants (BICA)							15
Chartered Financial Analyst							18
Chartered Institute of Management Accountants							107
<b>Total</b>							<b>278</b>
<b>Bosa Bosele College</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Certificate in Early Childhood Education						62	64
Certificate in HIV/AIDS care & Counselling						5	3
Certificate in Journalism and Media Studies						20	22
Certificate in Social Work						91	56
Certificate of Proficiency in Insurance							4
Diploma in Social Work						114	168
<b>Total</b>						<b>292</b>	<b>317</b>



**Table A1.13 xii Cont'd.....**

<b>Botswana Institute of Bankers</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Associate Diploma In Banking							128
<b>Total</b>							<b>128</b>
<b>DDT College of Medicine</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Bachelor Of Medical Laboratory Science							27
Bachelor Of Doctor Assistance							27
Bachelor Of Pharmacy							26
Bachelor Of Physiotherapy							24
<b>Total</b>							<b>104</b>
<b>Flying Mission</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Diploma in Aircraft Maintenance & Engineering			11	16	25	25	28
<b>Total</b>			<b>11</b>	<b>16</b>	<b>25</b>	<b>25</b>	<b>28</b>
<b>Kgolagano College</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Certificate in Human Development							1
Certificate in Theology							2
Diploma in Theology			36	42	90	44	70
Bachelor of Theology						59	59
<b>Total</b>						<b>103</b>	
<b>Mega-Size Computer College</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Diploma in Fleet Management							44
Professional Diploma in Purchasing & Supply							31
<b>Total</b>							<b>75</b>
<b>GRAND TOTAL</b>			<b>46</b>	<b>48</b>	<b>54</b>	<b>453</b>	<b>1,133</b>



## ENROLMENT BY PUBLIC TERTIARY INSTITUTIONS AND ACADEMIC YEARS

**Table A1.14 i: Enrolment by TEIs and Academic Year – Institutes of Health Science**

TEI NAME	PROGRAMMES OFFERED	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
<b>Bamalete Lutheran School of Nursing</b>								
	Post Basic Diploma Midwifery	62	62	30	64	43	64	36
<b>TOTAL</b>		<b>62</b>	<b>62</b>	<b>30</b>	<b>64</b>	<b>43</b>	<b>64</b>	<b>36</b>
<b>Deborah Retief Memorial School of Nursing</b>								
	Higher Diploma General Nursing	94	102	114	118	118	x	x
<b>TOTAL</b>		<b>94</b>	<b>102</b>	<b>114</b>	<b>118</b>	<b>118</b>	<b>x</b>	<b>x</b>
<b>IHS Francistown</b>								
	Higher Diploma General Nursing	238	222	148	172	180	180	135
	Post Basic Diploma Midwifery	47	0	36	36	24	24	23
<b>TOTAL</b>		<b>285</b>	<b>222</b>	<b>184</b>	<b>208</b>	<b>204</b>	<b>204</b>	<b>158</b>
<b>IHS Gaborone</b>								
	Post Basic Diploma Family Nurse Practitioner	16	16	32	31	20	20	16
	Higher Diploma Dental Therapy	29	32	31	28	27	24	20
	Higher Diploma General Nursing	210	176	170	145	137	143	247
	Higher Diploma Health Education	39	29	0				
	Higher Diploma Medical Laboratory Technology	94	93	91	78	63	34	36
	Higher Diploma Nurse Anaesthesia	8			7			
	Higher Diploma Pharmacy Technology	79	89	84	88	82	90	73
	Post Basic Diploma Midwifery	55	55	68	55	25	41	39
<b>TOTAL</b>		<b>530</b>	<b>490</b>	<b>476</b>	<b>432</b>	<b>354</b>	<b>352</b>	<b>431</b>

Table A1.14i Cont'd.....

TEI NAME	PROGRAMMES OFFERED	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
<b>IHS Lobatse</b>								
	Advanced Diploma in Psychiatric Mental Health	19	20					24
	Basic Diploma in Environmental Health	43	43	42	46	42	168	44
	Higher Diploma in General Nursing	166	146	136	159	186	45	165
	Post Basic Diploma in Midwifery	21	21					
<b>TOTAL</b>		<b>249</b>	<b>230</b>	<b>178</b>	<b>205</b>	<b>228</b>	<b>213</b>	<b>233</b>
<b>IHS Molepolole</b>								
	Advanced Diploma in Community Health		10	9	16	15		
	Advanced Diploma in Ophthalmic Nursing		12	12	11	11		
	Higher Diploma in General Nursing	116	126	119	146	152	152	175
	Post Basic Diploma in Midwifery	15		15				
<b>TOTAL</b>		<b>131</b>	<b>148</b>	<b>155</b>	<b>173</b>	<b>178</b>	<b>152</b>	<b>175</b>
<b>IHS Serowe</b>								
	Higher Diploma in General Nursing	123	135	187	214	193	174	154
	Post Basic Diploma in Midwifery	29	28	0	0	0	0	
	Higher Diploma in Health Education					46	55	43
<b>TOTAL</b>		<b>152</b>	<b>163</b>	<b>187</b>	<b>214</b>	<b>239</b>	<b>229</b>	<b>197</b>
<b>Kanye Seventh Day</b>								
<b>KSDACN</b>	Advanced Diploma in Family Nurse Practitioner	18	18	26	26	25	24	24
	Higher Diploma in General Nursing	160	165	163	163	158	165	165
	Post Basic Diploma in Midwifery	25	25	17	36	20	32	32
<b>TOTAL</b>		<b>203</b>	<b>208</b>	<b>206</b>	<b>225</b>	<b>203</b>	<b>221</b>	<b>221</b>
<b>GRAND TOTAL</b>		<b>1,706</b>	<b>1,625</b>	<b>1,530</b>	<b>1,639</b>	<b>1,567</b>	<b>1,435</b>	<b>1,451</b>



**Table A1.14 ii: Enrolment by TEIs and Academic Year – Colleges of Education  
2011/12 - 2015/16**

TEI NAME	PROGRAMMES OFFERED	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
SEROWE COLLEGE OF EDUCATION	Diploma In Primary Education	412	552	546	780	585	700	505
	Diploma In Early Childhood Care Education							110
FRANCISTOWN COLLEGE OF EDUCATION	Diploma In Primary Education	457	461	450	483	628	144	x
MOLEPOLOLE COLLEGE EDUCATION	Diploma In Secondary Education	504	462	349	426	538	502	366
TONOTA COLLEGE OF EDUCATION	Diploma In Secondary Education	434	458	505	521	639	587	422
TLOKWENG COLLEGE OF EDUCATION	Diploma In Primary Education	662	344	117	332	469	481	414
<b>GRAND TOTAL</b>		<b>2,469</b>	<b>2,277</b>	<b>1,967</b>	<b>2,542</b>	<b>2,859</b>	<b>2,414</b>	<b>1,817</b>

**Table A1.14 iii: Enrolment by TEIs and Academic Year – Botswana  
Accountancy College – 2011/12 - 2015/16**

<b>Botswana Accountancy</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
Advanced Taxation						58	
Association of Accounting Technicians	950	307	950	924	937	457	779
Association of Chartered Certified Accountants	156	42	311	340	137	287	163
Certified Internal Audit			4	13		26	26
Chartered Institute of Management Accountants	111	66	311	376	213	234	239
Certificate in Enterprise Risk Management							508
Certificate in Finance For Non-Finance Managers							86
Certificate in Public Sector Procurement						116	79
Insurance - Certificate Of Proficiency			98		91		
Insurance Institute of South Africa (IISA)	4			44			
Diploma in Contact Centre Mgt Programme	101	149	169	66			
Bachelor of Arts (Hons) in Accounting & Finance	115	186	350	353	382	415	270
Bachelor of Arts (Hons) in Business Enterprise		103	198	285	176	166	75
BA (Honours) in Travel & Tourism Management			49	126	268	242	211
Bachelor of Arts (Hons) in Business Management					254	260	202
Bachelor of Arts (Hons) in International Hospitality Mgt					52	53	53
Bachelor of Arts (Hons) in Salon Hospitality Mgt					61	84	84
Bachelor of Arts (Hons) in Business Leadership & Entrepreneurship					94	89	109
BA (Hons) in International Finance & Banking							49
Botswana Institute of Chartered Accountants			49	51	74	106	88
BSC (Honours) in Applied Business Computing	198	302	379		386	306	297



**Table A1.14iii Cont'd.....**

<b>Botswana Accountancy</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
Bachelor of Sciences (Honours) in Computer Systems Engineering	398	375	545	161	424	327	338
Master of Business Administration - Top up (ACCA/CIMA)	15			34	33		
Master of Science in Information Technology Management			26		37	10	18
Master of Science in Strategic Management	79	49	136	138	136		126
Master of Science in Project Management					71	40	84
<b>GRAND TOTAL</b>	<b>2,140</b>	<b>1,579</b>	<b>3,575</b>	<b>2,911</b>	<b>3,826</b>	<b>3,276</b>	<b>3,884</b>

**Table A1.14 iv: Enrolment by TEIs and Academic Year – BOCODOL – 2011/12 - 2015/16**

<b>BOCODOL</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Certificate in Community Based Work(Children & Youth)							94
Certificate in English for Professional Purposes							12
Certificate in Disaster Management					31	68	120
Certificate for Distance Education Practitioners					24	13	31
Certificate in Small Scale Business Management						1	179
Chartered Institute of Purchasing & Supply					60	62	107
Diploma in Business Management	786	564	1,640	1,484	263	821	1,076
Diploma in Human Resource Management	500	932	2,617	2,194	454	1,103	1,462
Diploma in Integrated Early Childhood Development				257	128	259	476
Bachelor of Business Administration							349
Bachelor Degree in Business and Entrepreneurship				98	95	190	316
Bachelor of Commerce in HR & Labour Relations		121	1,484	1,097	238	556	744
Bachelor Degree in Leadership & Change Management					102	196	
Bachelor of Education (Primary)							40
Master of Business Administration						18	41
Master of Education (Educational Leadership)						86	132
Master of Public Administration						16	31
Professional Courses					488		
Postgraduate Certificate in Quality Assurance							19
Undefined			44				
<b>GRAND TOTAL</b>	<b>1,286</b>	<b>1,617</b>	<b>5,785</b>	<b>5,130</b>	<b>1,883</b>	<b>3,389</b>	<b>5,229</b>



**Table A1.14 v: Enrolment by TELs and Academic Year – BCET – 2011/12 - 2015/16**

<b>BCET</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Certificate in Auto Electronics	78						67
Certificate in Auto mechanics	271						
Certificate in Electrical & Electronic Engineering			87	259			
Certificate in Heavy Plant	140						
Certificate in Hospitality		112					
Certificate in Mechanical Engineering	161						
Certificate in Panel Beating & Spray Painting	50						
Certificate in Science Laboratory Technology							1
Advanced Certificate in Business		39					
Advanced certificate in ICT		40				28	
BTEP Cert in Electrical & Mechanical Engineering	96						
BTEP Certificate in ICT	26				14		
National Craft Certificate in Auto Electronics					49	132	
National Craft Certificate in Automotive Mechanics					53	63	63
National Craft Certificate in Borehole Mechanics					19	17	15
National Craft Certificate in Fitter Machining					80	15	
National Craft Certificate in Heavy Plant Mechanics					92	96	69
National Craft Certificate in Maintenance Fitting						107	34
NCC Penal Beating and Spray Painting						40	56
National Craft Certificate in Welding & Fabrication					27	65	21
Diploma in Building and Civil Engineering					120	101	116
Diploma in Electrical & Electronic Engineering			173	458	105	102	108
Diploma in Geomatics					69	68	72

**Table A1.14v Cont'd.....**

<b>BCET</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
Diploma in Mechanical Engineering					114	141	161
Diploma in Water and Environmental Engineering					88	86	75
Technician Diploma in Motor Vehicle Systems						33	62
<b>GRAND TOTAL</b>	<b>822</b>	<b>191</b>	<b>260</b>	<b>717</b>	<b>830</b>	<b>1,094</b>	<b>920</b>



**Table A1.14 vi: Enrolment by TELs and Academic Year – BIUST –  
2012/13 - 2015/16**

<b>BIUST</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Bachelor of Engineering (Civil & Environmental )						43	47
Bachelor of Engineering (Computer Engineering)				16	32	61	58
Bachelor of Engineering (Electrical & Electronics)						35	37
Bachelor of Engineering (Energy Engineering)				28	48	95	97
Bachelor of Engineering (Geological Engineering)				38	61	113	117
Bachelor of Engineering (Industrial & Manufacturing Engineering)						73	70
Bachelor of Engineering (Measurement & Instrumentation)						42	43
Bachelor of Engineering (Mechanical & Aerospace)						40	42
Bachelor of Engineering (Mechatronics)						45	45
Bachelor of Engineering (Mining Engineering)				34	53	100	104
Bachelor of Engineering (Telecoms Engineering)				36	60	96	108
Bachelor of Sciences (Applied Sciences)				32	43	43	27
Bachelor of Sciences (Biological Sciences)						43	43
Bachelor of Sciences (Chemical Science)						40	38
Bachelor of Sciences (Computer Science)						22	12
Bachelor of Sciences (Earth & Environmental Sciences)				22	33	119	78
Bachelor of Sciences in (Environmental Science)							37
Bachelor of Sciences (Geology)				31	45	90	88
Bachelor of Sciences (Information Systems & Data Management)						25	18
Bachelor of Sciences (Mathematics & Applied Mathematics)				13	22	40	36
Bachelor of Sciences (Physics)						16	17
Bachelor of Sciences (Statistics)						15	16

**Table A1.14vi Cont'd.....**

<b>BIUST</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Master of Engineering (Civil and Environmental Engineering)							14
Master of Engineering (Civil & Structural Engineering)						1	
Master of Engineering (Computer Engineering)							2
Master of Engineering (Electrical & Electronics Engineering)							3
Master of Engineering (Energy Engineering)							5
Master of Engineering (Geological Engineering)							2
Master of Engineering (Industrial & Manufacturing Engineering)							2
Master of Engineering in Measurement & Instrumentation							2
Master of Engineering (Mechanical Engineering)							5
Master of Engineering (Mechanical and Energy Engineering)							1
Master of Engineering (Mechatronics Engineering)							1
Master of Engineering (Mining Engineering)						1	2
Master of Engineering (Telecoms Engineering)							5
Master of Sciences (Analytical Chemistry)						1	
Master of Sciences (Biological Sciences)							10
Master of Sciences (Chemical Sciences)							12
Master of Sciences (Computer Sciences)							19
Master of Sciences (Earth and Environmental Sciences)							3
Master of Sciences (Environmental Sciences)							9
Master of Sciences (Geology)							9
Master of Sciences (Information Systems)							29
Master of Sciences (Physics)							9



**Table A1.14vi Cont'd.....**

<b>BIUST</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Master of Sciences (Mathematics & Applied Mathematics)							13
Master of Sciences (Statistics)							8
PhD in Biological Sciences							5
PhD in Chemicals, Materials and Metallurgical Engineering							3
PhD in Computer Science							7
PhD in Electrical & Electronics Engineering							2
PhD in Energy Engineering							1
PhD in Geology							3
PhD in Mathematics and Applied Mathematics							1
PhD in Mechatronics Engineering							1
PhD in Physics							2
PhD in Statistics							1
PhD in Telecommunications Engineering							1
<b>GRAND TOTAL</b>				265	397	1,199	1,370

**Table A1.14 vii: Enrolment by TEIs and Academic Year – BUAN –  
2011/12 - 2015/16**

<b>BUAN</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Diploma in Agricultural Extension						59	60
Higher Diploma in Agriculture	57	53	57	45	44	30	19
Higher Diploma in Agricultural Engineering	5						
Higher Diploma in Animal Health & Production	60	56	58	69	69	46	46
Higher Diploma in Forestry & Range Ecology	41	46	48	49	44	30	15
Higher Diploma in Horticulture	9	3	2	1			
Bachelor of Science in Agriculture	143	106	87	109	101	81	78
Bachelor of Science in Agricultural Economics	133	63	64	156	153	118	136
Bachelor of Science in Agricultural Education	112	91	81	147	201	142	85
Bachelor of Science in Agricultural Extension			30	51	70	75	55
Bachelor of Science in Agricultural Mechanization	104	109	108	125	125	83	76
Bachelor of Science in Animal Science	101	149	150	162	139	140	146
Bachelor of Science in Crop Science	82	111	108	114	114	87	69
Bachelor of Science in Food Science & Technology	24	58		110	132	124	132
Bachelor of Science in Soil & Water Conservation Engineering	32	121	121	166	172	170	165
Bachelor of Science in Range Science							11
Master of Science in Agricultural Education	7	5	6	5	2	1	
MSc in Agricultural Engineering	6	10	12	4	7	8	9
Master of Science in Animal Science	15	20	20	11	16	12	27
Master of Science in Crop Science	10	6	14		21	23	8
PhD in Animal Science (Animal Nutrition)						1	
PhD in Animal Science (Breeding & Reproduction)						1	1
PhD in Crop Science (Agronomy)						2	1



**Table A1.14vii Cont'd.....**

<b>BUAN</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
PhD in Crop Science (Horticulture)						1	
<b>GRAND TOTAL</b>	<b>943</b>	<b>1,010</b>	<b>966</b>	<b>1,324</b>	<b>1,444</b>	<b>1,234</b>	<b>1,139</b>

**Table A1.14 viii: Enrolment by TEIs and Academic Year – FCTVE**

<b>FCTVE</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
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		13	32	78	103	69	68
Certificate in Hospitality Operations	32	32	31		35	15	35
Certificate in Teacher Training					292		
Certificate in Technical & Vocational Education				99			
Certificate in Travel & Tourism	16	32	46	77	69	72	72
Certificate in Sports, Recreation and Leisure		17	17	33	116	58	71
Adv. Certificate Electrical & Mechanical Engineering	16	32	47	46	31		
Advanced Certificate in Business Administration	43	43					
Advanced Certificate in ICT	30	31		16		23	45
Advanced Certificate in ICT & Multimedia					36		
Advanced Certificate in Multimedia	15	31	15			6	6
Technician Certificate in Construction							67
BTEF Certificate Building Construction	14	30				28	57
Diploma in Accommodation and Reception Services						10	
Diploma in Business Management			42	65	81		
Diploma in City & Guilds Fashion							31
Diploma in City & Guilds Textile							16
Technician Diploma in Building Construction (City & Guilds)						86	42
Diploma in Culinary Arts						10	9
Diploma in ICT & Multimedia					58		53
Diploma in Food and Beverage						5	



**Table A1.14viii Cont'd.....**

<b>FCTVE</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
Diploma in Information & Comm. Technology			31	25			
Diploma in Hospitality Management							10
Diploma in Systems Administration						30	
Diploma in Teacher Training			57				
Diploma in Technical & Vocational Education	54	99		89			
Advanced Technician Diploma in Construction							22
Diploma in Travel Management						38	40
Diploma in Travel & Tourism							20
National Diploma in Secretarial Studies						59	139
Postgraduate Certificate in Technical & Vocational Education and Training						156	117
Poverty Eradication Practical Programmes						43	34
<b>GRAND TOTAL</b>	<b>234</b>	<b>390</b>	<b>347</b>	<b>590</b>	<b>985</b>	<b>708</b>	<b>954</b>

**Table A1.14 ix: Enrolment by TEIs and Academic Year – Gaborone Technical College – 2011/12 - 2015/16**

<b>Gaborone Technical College</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
Advanced Certificate Business Administration	67		88	101			
Advanced Certificate Beauty Therapy							12
Advanced certificate Info & Communication Technology	30		41	49	28	27	32
Advanced Certificate in Hairdressing							12
Certificate in information & communication technology					9	10	
Certificate in Building Construction	119		108	125	135		
Certificate in Clothing Design & Textiles	15		21	28	41		
Certificate in Electrical & Mechanical Engineering	44		45	53			
Certificate in Hairdressing & Beauty Therapy	68		85	93	55	21	
Certificate in Hospitality & Tourism (City & Guilds)					26		
Certificate in Multimedia	27		33	39	12	16	43
BTEP Certificate in Hospitality Operations					16		22
BTEP Certificate in Hospitality Operations (Access)					10		
BTEP Certificate in Retail Business (Access)					10		
BTEP Certificate in Travel & Tourism					64		
Higher National Diploma in Secretarial Studies					9	7	
National Diploma in Secretarial Studies					99	93	94
Advanced Certificate in Business Administration					29		
National Diploma in Accountancy & Business Studies						96	105
Technician Diploma in Construction						114	140
Diploma in Culinary Arts						19	14
Diploma in Electrical Engineering (City & Guilds)					57		
Diploma in Fashion Design						144	141



**Table A1.14 ix Cont'd.....**

<b>Gaborone Technical College</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
Diploma in Hospitality Management						25	
Diploma in Hospitality Operations						10	
Diploma in Information & Communication Technology						26	
Diploma in Retail Business						10	
Diploma in System Administration							22
Diploma in Tourism Management						56	
Technician Diploma in Electrical & Electronics						157	178
National Craft Certificate (unclassified)	57		46	54	129		
National Craft Certificate in Electrical						41	36
National Craft Certificate in Refrigeration and AC							20
National Craft Certificate in Refrigeration						45	56
<b>Total</b>	<b>427</b>		<b>467</b>	<b>542</b>	<b>729</b>	<b>917</b>	<b>988</b>

**Table A1.14 x: Enrolment by TEIs and Academic Year – IDM – 2011/12 - 2015/16**

<b>IDM</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Association of Accounting Technician (AAT)					318	136	126
CARM			30	37			
Certificate in Archives and Records Administration			41	55	39	43	104
Certificate in Human Resource Management			92	84			20
Certificate in Procurement and Supply						76	
Certificate in Public Admin and Management			68	59			
CIPS			237	247			
CIPS Advanced Certificate					129		
CIPS Certificate					186		
CIPS Diploma					75		
CIPS Professional Diploma					81		
Advanced Certificate in Procurement and Supply						66	
Diploma in Archives Administration & Records	16	31	66	66		43	141
Diploma in Business Studies						20	
Diploma in Computer Studies	30	42	109	117			
Diploma in Community Development							24
Diploma in Educational Management & Administration	61	64	157	144	30		30
Diploma in Human Resources Management	95	73	75	71	53	80	47
Diploma in Public Administration & Management	18	57	60	68			14
Graduate Diploma in Purchasing & Supply (L 6)	15						
Graduate Diploma in Purchasing & Supply (L 5)	50	54					
International Adv. Diploma in Computer Studies	35	35	32	35	12	16	22
International Diploma in Computer Studies							21
International Diploma in Business(NCC)		33	21		16		37



**Table A1.14 x Cont'd.....**

<b>IDM</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
Diploma in Project Management						39	58
Diploma in Public Health Management						59	69
Diploma in Procurement and Supply						38	
Advanced Diploma in Procurement and Supply						31	
Professional Diploma in Procurement and Supply						27	75
Professional Diploma in Procurement and Supply – Advanced Certificate							51
Professional Diploma in Procurement and Supply – Advanced Diploma							25
Professional Diploma in Procurement and Supply – Certificate							66
Professional Diploma in Procurement and Supply – Diploma							85
Bachelor of Accounting						21	
Bachelor of Arts (Hons) Accountancy							41
Bachelor of Arts Community Development						23	64
Bachelor of Education (Hons) Management							33
Bachelor of Public Health Management							104
Bachelor of Science (Hons) Supply Management							66
BSc (Hons) Business Computing and Information Systems							6
BSc (Hons) Business Administration							47
Post Graduate Diploma in Monitoring and Evaluation							38
Unclassified	141	161	275	284			
<b>GRAND TOTAL</b>	<b>479</b>	<b>550</b>	<b>1,263</b>	<b>1,296</b>	<b>1,263</b>	<b>766</b>	<b>1,414</b>

**Table A1.14 xi: Enrolment by TEIs and Academic Year – Jwaneng Technical College – 2011/12 - 2015/16**

<b>Jwaneng Technical</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
National Certificate in Secretarial Studies							31
National Certificate in Accounting							11
BTEP Certificate in Business Studies							18
BTEP Certificate in ICT							48
BTEP Certificate construction							12
National Craft Certificate (NCC) Auto mechanics							11
National Craft Certificate (NCC) Carpentry & Joinery							23
National Craft Certificate (NCC) Construction							10
National Craft Certificate (NCC) Electrical							15
National Craft Certificate (NCC) Machine Fitting							33
National Craft Certificate (NCC) Painting & Decorating							12
National Craft Certificate (NCC) Plumbing & Pipefitting							17
National Craft Certificate (NCC) Welding							17
<b>GRAND TOTAL</b>							<b>258</b>



**Table A1.14 xii: Enrolment by TEIs and Academic Year – Maun Technical College – 2011/12 - 2015/16**

<b>Maun Technical</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
National Certificate in Secretarial Studies							12
Certificate - Accountancy & Business Studies							20
Certificate in Design & Technology							21
Certificate in ICT							13
National Craft Certificate (NCC) Electrical							16
National Craft Certificate (NCC) Auto Electrical							31
National Craft Certificate (NCC) Auto mechanics							69
National Craft Certificate NCC Electronics							15
National Craft Certificate (NCC) Carpentry							30
National Craft Certificate (NCC) Bricklaying							26
National Craft Certificate (NCC) Plumbing							30
National Craft Certificate (NCC) Painting							12
National Craft Certificate (NCC) Welding							14
National Craft Certificate (NCC) Fitting & Machining							4
National Craft Certificate (NCC) Maintenance Fitting							13
National Craft Certificate (NCC) Chef & Waiter							14
National Craft Certificate (NCC) Panel Beating							15
<b>GRAND TOTAL</b>							<b>355</b>

**Table A1.14 xiii: Enrolment by TEIs and Academic Year – Palapye Technical College – 2011/12 - 2015/16**

<b>Palapye Technical</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
Botswana Technical Education Programme (Building Construction)							22
Botswana Technical Education Programme (Business)							17
Botswana Technical Education Programme in ICT							90
Certificate in Accounting and Business Studies							14
National Craft Certificate (NCC) in Auto Electrics							31
National Craft Certificate (NCC) in Auto Mechanics							27
National Craft Certificate (NCC) in Bricklaying							16
National Craft Certificate (NCC) in Carpentry & Joinery							10
National Craft Certificate (NCC) in Electrical							16
National Craft Certificate (NCC) in Maintenance Fitting							15
National Craft Certificate (NCC) in Painting & Decorating							25
National Craft Certificate (NCC) in Secretarial Studies							28
Trade Test B in Plumbing & Pipe Fitting							29
Trade Test B in Textile							10
Trade Test B in Welding & Fabrication							15
Trade Test C in Textile							22
<b>Total</b>							<b>387</b>



**Table A1.14 xiv: Enrolment by TEIs and Academic Year – Selebi Phikwe Technical College – 2011/12 - 2015/16**

<b>Selibe Phikwe Technical</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Certificate in Accounting and Business Studies							44
Botswana Technical Education Programme in Construction							14
Botswana Technical Education Programme in ICT							39
BTEP Electrical and Mechanical Engineering							12
National Craft Certificate in Auto Electrics							30
National Craft Certificate in Auto Mechanics							35
National Craft Certificate in Dressmaking							26
National Craft Certificate in Electrical							12
National Craft Certificate in Maintenance Fitting							48
National Craft Certificate in Painting And Decorating							17
National Certificate in Secretarial Studies							42
National Craft Certificate in Welding and Fabrication							29
Trade Test C in Bricklaying							11
Trade Test C in Dressmaking							11
Trade Test C in Electrical							13
Trade Test C in Furniture and Cabinet Making							15
Trade Test C in Painting and Decoration							17
Trade Test C in Plumbing And Pipe Fitting							30
<b>TOTAL</b>							<b>445</b>

**Table A1.14 xv: Enrolment by TEIs and Academic Year – BWTI**

<b>BWTI</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Certificate in Wildlife Management & Conservation					49	34	28
Diploma in Wildlife Management & Conservation	183	72	112	119	46	46	42
Professional Tour Guide					19	19	21
Induction and Basic Training							19
Leadership and Skill Enhancement Course							23
Problem Animal Control							17
Total	183	72	112	119	114	99	150
<b>Defence Command</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Diploma in Defence & Strategic Studies			27	28	36	29	
Masters in Defence & Strategic Studies			8	8	11	19	
Senior Command and Staff Program							48
Total			35	36	47	48	48
<b>Oodi College of Arts</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Certificate in Applied Laboratory Science							30
Certificate in Business Management							127
Certificate in Human Resource Management							31
Certificate in Jewellery							15
Advanced certificate in Multimedia							49
Diploma in ICT							62
Foundation in Sports Recreation and Leisure							59
TOTAL							373
<b>Grand Total</b>	<b>183</b>	<b>72</b>	<b>147</b>	<b>155</b>	<b>161</b>	<b>147</b>	<b>571</b>



**Table A1.14 xvi: Enrolment by TEIs and Academic Year – University of Botswana – 2011/12 - 2015/16**

<b>University of Botswana</b>	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16
Bachelor of Accountancy	730	772	793	669	703	703	505
Bachelor of Architecture	89	119	132	124	126	126	112
Bachelor of Arts (Chinese Studies)			19	30	41	41	72
Bachelor of Arts (Criminal Justice)		11	51	76	86	86	130
Bachelor of Arts (Library & Information Studies)	38	26	47	70	69	69	34
Bachelor of Arts (Humanities)	2,128	2,212	2,342	1,939	1,551	1,551	629
Bachelor of Arts (Media Studies)		43	80	95	87	87	94
Bachelor of Arts (Pastoral Studies)					5	5	7
Bachelor of Arts (Social Sciences)	1,372	1,430	1,578	1,441	1,434	1,434	1,196
Bachelor of Business Administration							5
Bachelor of Business Admin (Entrepreneurship & Enterprise)				10	43	43	126
Bachelor of Business Admin (International Business)				15	46	46	99
Bachelor of Business Admin (logistics & Supply Chain Mgt)				11	56	56	158
Bachelor of Business Administration (Management)	517	537	595	533	398	398	489
Bachelor of Business Administration (Marketing)	312	323	428	362	557	557	289
Bachelor of Business Administration (THM)	72	90	104	93	128	128	130
Bachelor of Design (Design & Technology)	93	32	109	93	114	114	65
Bachelor of Design (Industrial Design)	73	80	97	77	86	86	78
Bachelor of Education (Adult)	163	126	154	217	226	226	143
Bachelor of Education (Business)		41	82	154	167	167	99
Bachelor of Education (Counselling)	158	185	227	290	352	352	256
Bachelor of Education (Educational Management)	138	140	129	172	160	160	40
Bachelor of Education (Family & Consumer Sciences)				211	264	264	112
Bachelor of Education (Home Economics)				29			2



**Table A1.14 xvi Cont'd.....**

<b>University of Botswana</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
Bachelor of Education (Physical)	268	366	453	583	530	530	205
Bachelor of Education (Primary)	194	161	134	549	554	554	16
Bachelor of Education (Science)	295	335	477	381	343	343	354
Bachelor of Education (Secondary)	77	99	108	608	688	688	105
Bachelor of Education (Special)	225	294	319	463	551	551	236
Bachelor of Engineering (Civil)	115	34	157	158	140	140	157
Bachelor of Engineering (Construction & Engineering)	77	30	122	121	122	122	71
Bachelor of Engineering (Electrical & Electronic Engineering)	97	24	130	123	123	123	125
Bachelor of Engineering (Industrial Engineering)			60	84	79	79	84
Bachelor of Engineering (Mechanical Engineering)	108	33	138	136	132	132	141
Bachelor of Engineering (Mineral Engineering)			36	53	56	56	56
Bachelor of Finance	296	297	372	343	407	407	371
Bachelor of Fine Arts (Theatre Arts)		35	54	70	80	80	35
Bachelor of Geometrics	39	67	97	104	104	104	80
Bachelor of Information Systems (BIS)	170	201	226	206	238	238	180
Bachelor of Information Systems (CIS)	42	51	46	52	87	87	102
Bachelor of Information Systems (Information Management)	89	166	166	171	180	180	121
Bachelor of Land Management		12	33	47	50	50	48
Bachelor of Laws	415	496	513	469	476	476	417
Bachelor of Library & Information Studies	85	50	152	187	218	218	95
Bachelor of Media Studies	110	129	140	123	144	144	169
Bachelor of Medicine/Surgery	35	83	133	178	230	230	244
Bachelor of Nursing (Completion)	54	36	26	15	10	10	5
Bachelor of Nursing (Generic)	202	226	279	264	276	276	223



**Table A1.14 xvi Cont'd.....**

<b>University of Botswana</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
Bachelor of Psychology	14	25	14	14	11	11	14
Bachelor of Science (Applied Geophysics)		10	18	49	52	52	42
Bachelor of Science (Computer Science)	62	107	158	163	175	175	158
Bachelor of Science (Computing with Finance)			53	113	138	138	173
Bachelor of Science (Environmental Health)	68	85	96	91	94	94	87
Bachelor of Science (General)	1,210	1,094	1,243	1,092	1,102	1,102	943
Bachelor of Science (Histo Technology/Cytotechnology)					1	1	27
Bachelor of Science (Information Technology)		79	59	80	100	100	126
Bachelor of Science (Medical Laboratory Sciences)		25	8	11	52	52	106
Bachelor of Science (Medical Lab Sciences Completion)				9			
Bachelor of Science (Mining Engineering)	41	28	65	66	47	47	44
Bachelor of Science (Physics with Meteorology)			8	28	41	41	34
Bachelor of Science (Radiation & Health Physics)			15	35	48	48	48
Bachelor of Science (Real Estate)				12	28	28	47
Bachelor of Science (Statistics)	3		5	13	12	12	6
Bachelor of Science (Urban & Regional Planning)	42	47	51	47	51	51	54
Bachelor of Social Work	285	303	262	295	276	276	193
Certificate Programmes	13	25	17	2			
Diploma in Accounting & Business Studies	1,498	1,527	1,793	1,247	1,030	1,030	457
Diploma in Adult Education	45	41	64	74	105	105	27
Diploma in Archives and Records Management	30	23	58	53	58	58	31
Diploma in Criminal Justice	39	40	22				
Diploma in Defence and Strategic Studies		42	48	55	61	61	49
Diploma in Land Management			25	33	30	30	2
Diploma in Law	109	53	19				



**Table A1.14 xvi Cont'd.....**

<b>University of Botswana</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
Diploma in Library & Information Studies	34	21	72	47	54	54	17
Diploma in Mineral Engineering			12	27	34	34	10
Diploma in Mining Engineering	78	97	87	66	55	55	21
Diploma in NGO Management	11	11	13	13	9	9	7
Diploma in Population Studies	50	62	43	27	17	17	16
Diploma in Social Work	79	87	77	44	44	44	21
Diploma in Statistics		18	93	42	26	26	33
Diploma in Youth Development Work	6	5	2				
Master of Arts (Professional) in Urban and Regional Planning				6	3	3	
Master of Arts (African Languages & Literature)	17	13	10	8	14	14	7
Master of Arts (Archives & Records Management)	41	22	56	62	61	61	57
Master of Arts (Defence and Strategic Studies)		25	22	29	35	35	52
Master of Arts (Development Studies)	39	57	37	39	41	41	23
Master of Arts (Development Practice)		11	21	27	36	36	35
Master of Arts (Economics)	21	31	25	20	31	31	29
Master of Arts (English)	23	17	17	17	17	17	17
Master of Arts (History)	11	8	4	2	4	4	5
Master of Arts (Politics & International Relations)	38	51	50	50	51	51	48
Master of Arts (Population Studies)	33	44	32	21	24	24	28
Master of Arts (Statistics)	14		16	12	14	14	22
Master of Arts (Theology & Religious Studies)	21	17	14	14	19	19	17
Master of Business Administration	162	147	156	134	193	193	242
Master of Business Administration- Modular				26	4	4	
Master of Education (Adult Education)	25	24	24	23	27	27	23



**Table A1.14 xvi Cont'd.....**

<b>University of Botswana</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
Master of Education (Counselling & Human Studies)	54	50	37	40	46	46	35
Master of Education (Curriculum & Instruction)					26	26	20
Master of Education (Educational Foundation)	22	24	24				
Master of Education (Educational leadership & Mgt)	53	49	42	45	55	55	34
Master of Education (Family and Consumer Sciences)	162	184	212				
Master of Education (Gender Education)				17	18	18	22
Master of Education (Language Education)	62	74	72	3	6	6	3
Master of Education (Mathematics Education)							28
Master of Education (Physical Education)	33	26	16	24	37	37	42
Master of Education (Primary Education)	10	6	7	9	12	12	18
Master of Education (Religious Education)	5	5	2	1	1	1	3
Master of Education (Research & Evaluation)				68	92	92	57
Master of Education (Science education)							4
Master of Education (Social Studies)	18	12	8	6	3	3	9
Master of Education (Maths & Science Education)	29	18	20	22	28	28	
Master of Medicine (Anaesthesia)			6	6			
Master of Medicine (Anatomic Pathology)					3	3	5
Master of Medicine (Emergency Medicine)			4	7	4	4	6
Master of Medicine (Family Medicine)			8	14	14	14	21
Master of Medicine (internal Medicine)		4	8	10	16	16	13
Master of Medicine (Paediatrics & Adolescent)		3	8	13	17	17	14
Master of Medicine (Public Health)			5	5	5	5	7
Master of Nursing (science)	37	35	46	50	54	54	59
Master of Project Management	57	18	52	48	52	52	51
Master of Public Admin (Environmental Resource Mgt)	1						3



**Table A1.14 xvi Cont'd.....**

<b>University of Botswana</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
Master of Public Administration (HRM)	60	63	53	45	61	61	36
Master of Public Admin ( Local Govt Management)				1	2	2	3
Master of Public Admin (Public Financial Management)		2	1		1	1	6
Master of Public Admin (Public Policy)	4	3	1	5	11	11	20
Master of Science (Applied Microbiology)	10	20	9	12	11	11	9
Master of Science (Chemistry)	12	12	16	19	17	17	17
Master of Science (Civil Engineering)	19	18	17	13	20	20	26
Master of Science (Computer Information Systems)	34	49	30	42	39	39	30
Master of Science (Computer Science)	17	26	19	20	20	20	11
Master of Science (Electrical & Electronic Engineering)	24	17	23	13	17	17	30
Master of Science (Environmental Science)	27	21	34	35	44	44	54
Master of Science (Hydrogeology)	9	10	10	14	15	15	19
Master of Science (Mathematics)	10		11	13	13	13	19
Master of Science (Mechanical Engineering)	9	11	9	4	6	6	9
Master of Science (Physics)	5	6	5	8	6	6	6
Master of Social Work	69	67	59	53	57	57	51
Master of Laws	13	17	18	16	18	18	15
Master of Library & Information Studies	29	22	23	24	23	23	34
Master of Philosophy (Adult Education)	1	2	1	1	4	4	6
Master of Philosophy (African Language & Literature)	1	1	1	1	2	2	1
Master of Philosophy (Applied Microbiology)	10	29					
Master of Philosophy (Biological Sciences)		15	8	5	10	10	14
Master of Philosophy (Business)		4					6
Master of Philosophy (Chemistry)	3	2		1	1	1	
Master of Philosophy (Computer Information Sys)					5	5	1



**Table A1.14 xvi Cont'd.....**

<b>University of Botswana</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
Master of Philosophy (Computer Science)							1
Master of Philosophy (Counselling & Human services)	2		5	5	4	4	5
Master of Philosophy (Curriculum & Instruction)	8		1	1	4	4	3
Master of Philosophy (Design)							1
Master of Philosophy (Economics)			3	2			5
Master of Philosophy (Educational management)	2	5	8	4	8	8	4
Master of Philosophy (Educational Technology)		2	3	3	4	4	2
Master of Philosophy (Engineering)		7	4	2	6	6	13
Master of Philosophy (English)	3		1	2			1
Master of Philosophy (Environmental Education)				1			3
Master of Philosophy (Environmental Science)	7	4	3	5	7	7	7
Master of Philosophy (Exercise Science)		1	1		1	1	1
Master of Philosophy (History)	1	4	2	1			2
Master of Philosophy (Food & Nutrition)	1		1		1	1	
Master of Philosophy (Gender Education)							1
Master of Philosophy (Geography Education)			1	1	1	1	1
Master of Philosophy (Infant Education)		1	2	1			1
Master of Philosophy (Language Education)		3	4	3	2	2	
Master of Philosophy (library & Information Studies)	4	2	6	4	7	7	4
Master of Philosophy (Mathematics)			1	1	2	2	2
Master of Philosophy (Maths & Science Education)	2	2	3	2	5	5	6
Master of Philosophy (Medical sciences)							2
Master of Philosophy (Natural Resource Mgt)	9	7	20	5	13	13	16
Master of Philosophy (Physical Education & Coaching)		1	1	1			1
Master of Philosophy (Physics)	3				1	1	3

**Table A1.14 xvi Cont'd.....**

<b>University of Botswana</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
Master of Philosophy (Political Science)				1	1	1	2
Master of Philosophy (Population Studies)					5	5	3
Master of Philosophy (Project Management)		1	1	1			
Master of Philosophy (Public Administration)		2	1	7	5	5	6
Master of Philosophy (Research & Evaluation)	1	3	6	4			4
Master of Philosophy (Science Education)							2
Master of Philosophy (Social Work)					2	2	1
Master of Philosophy (Sociology)					2	2	2
Master of Philosophy (Social Studies Education)		2	1	1	1	1	
Master of Philosophy (Special Education)		4	4	4	1	1	4
Master of Philosophy (Sports & Recreation Management)		2	1				1
Master of Philosophy (Statistics)			2		1	1	4
Master of Philosophy (Textile & Clothing)							1
Master of Philosophy (Theology & Religious Edu)			5	3	8	8	5
PHD in Adult Education	1	1	1	1	1	1	1
PHD (African Language & Literature)			1	1			1
PHD (Applied Micro Biology)	4						
PHD in Biological sciences		4	4	4	8	8	15
PHD in Business			2	1	2	2	2
PHD in Chemistry	5	7	7	6	8	8	10
PHD in Counselling and Human Services	7	8	6	3	2	2	2
PHD in Curriculum & Instruction	2	1	1		1	1	4
PHD in Economics							2
PHD in Educational Management	5	4	5	3	3	3	2
PHD in Educational Technology	5	4	5	3	3	3	1



**Table A1.14 xvi Cont'd.....**

<b>University of Botswana</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
PHD (Engineering)		1	3	6	4	4	6
PHD English		3	1	2	6	6	7
PHD (Environmental Science)	5	3	4	2	4	4	6
PHD (History)	1						
PHD (Food and Nutrition)			2	2	2	2	2
PHD (Gender Education)	1	1					
PHD (Language Education)			1		3	3	1
PHD Library and information Studies	3	3	2	2	5	5	8
PHD Mathematics	7		5	4	6	6	6
PHD Medical Sciences							1
PHD Natural Resource Management	5	1	4	5	9	9	3
PHD Physical Education and Coaching					1	1	
PHD Physics	4	6	6	5	4	4	3
PHD Political Science							2
PHD Population Studies							3
PHD Public Administration					3	3	4
PHD Research & Evaluation		5	3	2	6	6	1
PHD Science Education							1
PHD Social Studies Education							1
PHD Social Work			2	2	1	1	1
PHD Special Education					3	3	3
PHD in Sports And Recreation				1	1	1	
PHD Statistics			3	4	2	2	2
PHD Textile & Clothing							1
PHD Theology & Religious Studies					1	1	2

**Table A1.14 xvi Cont'd.....**

<b>University of Botswana</b>	<b>2009/10</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
Post Graduate Diploma in Higher Education	137	81	126	236	187	187	377
Post Graduate Diploma in Statistics	1		5	2	2	2	2
Pre Medical programme	122	116	141	69	72	72	39
Non Degree purpose/Short Course							74
<b>Grand Total</b>	<b>14,305</b>	<b>14,941</b>	<b>17,678</b>	<b>17,701</b>	<b>18,176</b>	<b>18,176</b>	<b>13,501</b>



## 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 8) 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 Ratio 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 it encompasses all post-secondary programmes recognised and aligned to the Botswana Qualifications Framework. 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).

**Table A2. 1: Gross Tertiary Education Enrolment Ratio – 2004/5 - 2015/16**

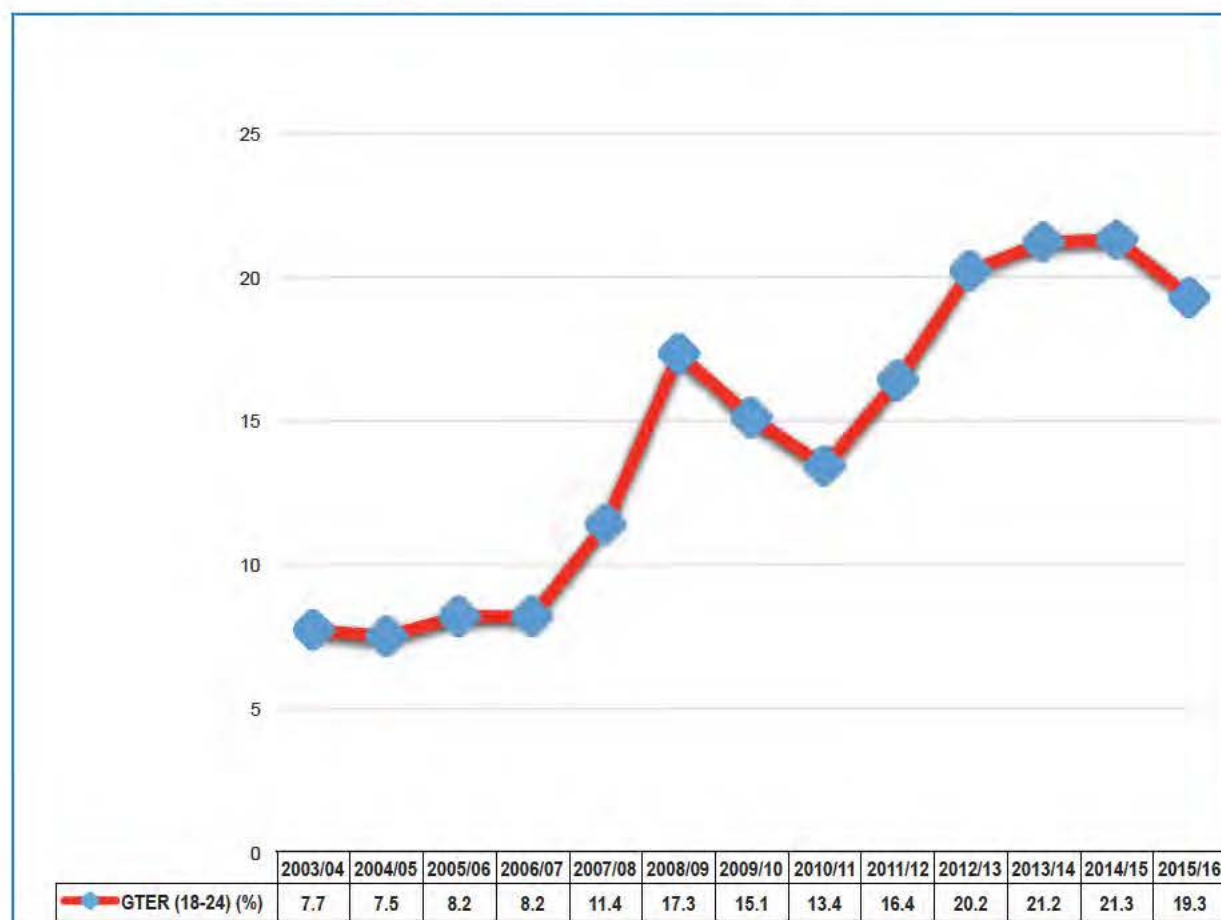
Year	Population <sup>12</sup> (18-24 Years)	Total Enrolment	GTER (18-24) (%)
2003/04	258,645	20,011	7.7
2004/05	262,602	19,655	7.5
2005/06	266,650	21,738	8.2
2006/07	270,371	22,257	8.2
2007/08	274,084	31,129	11.4
2008/09	277,439	47,889	17.3
2009/10	280,403	42,366	15.1
2010/11	282,777	37,859	13.4
2011/12	284,278	46,613	16.4
2012/13	284,817	57,447	20.2
2013/14	284,820	60,439	21.2
2014/15	284,289	60,583	21.3
2015/16	292,395	56,447	19.3

Data Sources: Statistics Botswana (2015). Population Projections – 2011 -2026 & HRDC (2015). Tertiary Education at Glance

<sup>12</sup> Population for 2003/4 – 2014/15 was derived from 2001 Population Projections

Table A2.1 indicates that Gross Tertiary Enrolment Ratio (GTER) for population aged 18-24 years (theoretical age group for tertiary education) increased from 7.7 percent in 2003/2014 to a peak of 17.3 percent in 2008/09 and thereafter declined to 13.4 percent in 2010/11. In 2011/12 GTER increased to 16.4 and reached 21.3 percent in 2014/15 and sharply declined to 19.3 percent in 2015/16. The trend is also not very encouraging as Chart A2.1 shows and it would need to be arrested, as already the GTER is below the benchmark countries and we would rather see it increasing than declining.

**Chart A2. 1: Gross Tertiary Enrolment Ratio – 2004/5-2015/16**



Data Sources: Statistics Botswana (2015). Population Projections – 2011 -2026 & HRDC (2015). Tertiary Education at Glance

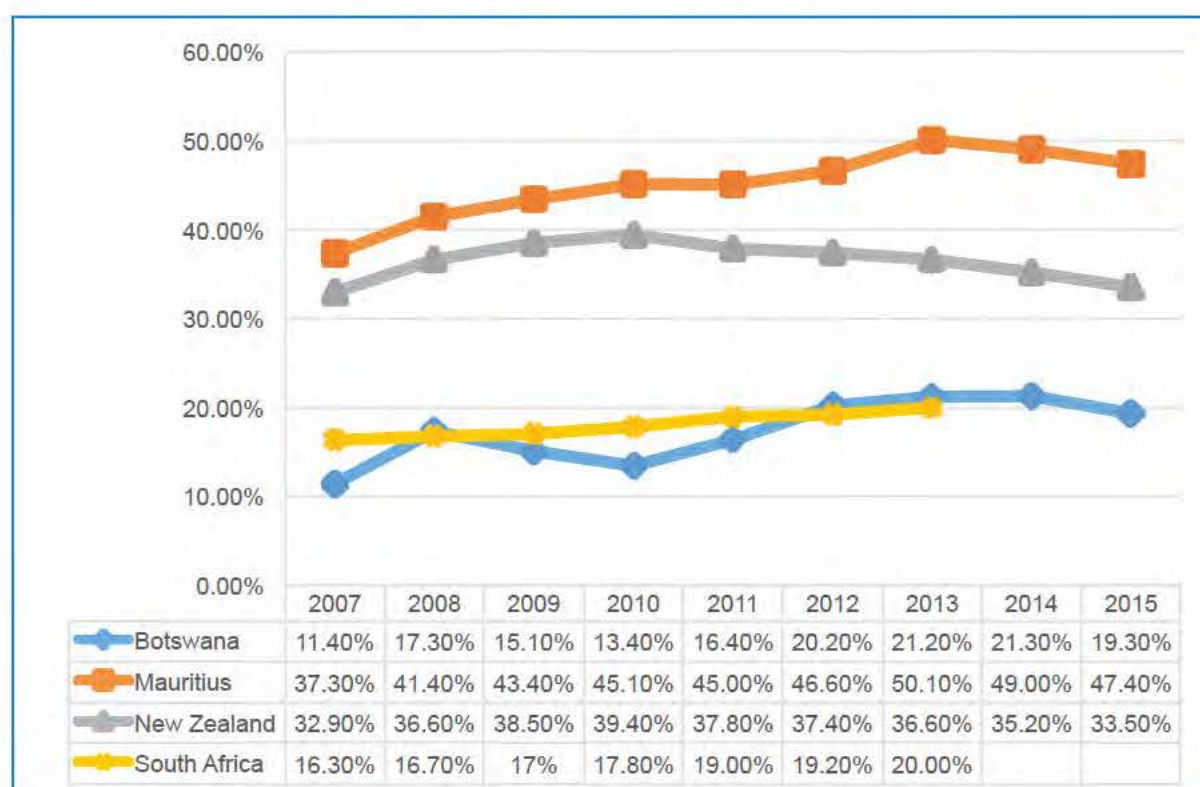


## GROSS TERTIARY ENROLMENT RATIO - REGIONAL COMPARISON

Chart A2.3 below shows the regional comparison of the gross tertiary enrolment ratio. Botswana experienced, in general, a slight increase in the participation rates from 2007 to 2015. This means that the provision of access to tertiary education has improved a little bit to accommodate the population of the official age group. The country however remained lower than all the 3 represented countries in the region for most of the years, except in 2012 and 2013 where it was slightly higher than South Africa. There is a serious need for policy intervention in the education framework of Botswana to provide a greater access to tertiary education in order to increase its participation rates that will make the country to be competitive regionally and globally.

### Chart A2. 2: Gross Tertiary Enrolment Ratio –Regional Comparisons

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



*Source: Human Resource Development 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](http://www.educationcounts.govt.nz/statistics/tertiary_education/participation)

**\* Official tertiary age group for Mauritius and New Zealand is (20-24).**

Furthermore, table A2.3 shows that Mauritius remained the highest ranking in participation rates throughout the years. Its standards indicate that there is room for improvement by Botswana to reach such levels and higher. Different participation rates among the countries

across the globe may be mainly because of different policies implemented, rapid growth of technology etc. Rigorous research should be undertaken to identify the reasons for differences in participation rates and to make appropriate decisions to improve the participation rates of Botswana.

## GLOBAL RANKING IN GROSS TERTIARY EDUCATION ENROLMENT

**Table A2. 2:Tertiary Education Enrolment Global Ranking**

<b>YEAR</b>	<b>2010/11</b>	<b>2011/12</b>	<b>2012/13</b>	<b>2013/14</b>	<b>2014/15</b>	<b>2015/16</b>
<b>COUNTRY</b>	<b>Rank/139</b>	<b>Rank/142</b>	<b>Rank/144</b>	<b>Rank/148</b>	<b>Rank/144</b>	<b>Rank/140</b>
<b>Finland</b>	2	2	3	2	4	4
<b>New Zealand</b>	10	9	8	9	12	12
<b>Sweden</b>	16	17	17	18	27	26
<b>Canada</b>	27	29	35	38	45	42
<b>Singapore</b>	30	27	19	20	10	9
<b>Tunisia</b>	69	69	-	71	73	71
<b>Mauritius</b>	82	81	82	75	68	65
<b>South Africa</b>	99	97	101	102	93	93
<b>Namibia</b>	110	112	115	119	117	117
<b>Botswana</b>	114	117	119	125	123	96

Source: Global Competitiveness Report 2010/11 - 2015/16

Table A2.4 shows that Finland has been the highest ranking amongst all the 10 competing economies represented, since 2010/11 to date, while Botswana remained the lowest throughout the years, except in 2015/16 where Namibia was the lowest. All the countries shown in the top 50 are high income economies e.g. Singapore, Finland etc. There is a clear correlation between high income economic status and a high GTER. This does not imply causality but it does show that if we were advancing towards our Vision 2036 goal of a high income economy then our GTER should be growing year on year without starts and stops. The data in this report shows that the colleges and universities in Botswana have capacity to enrol more students than they are currently enrolling (all enrolments have declined from previous highs) therefore it is probably our policy of financing the education of our young people at tertiary level that needs to be looked at urgently and carefully and a complete overhaul may be found to be overdue.



## A3

### TRANSITION FROM SENIOR 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. The upper secondary education candidature has to pass the Botswana General Certificate of Secondary Education (BGCSE) examination as eligibility criteria to proceed/transit to tertiary education level. 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.

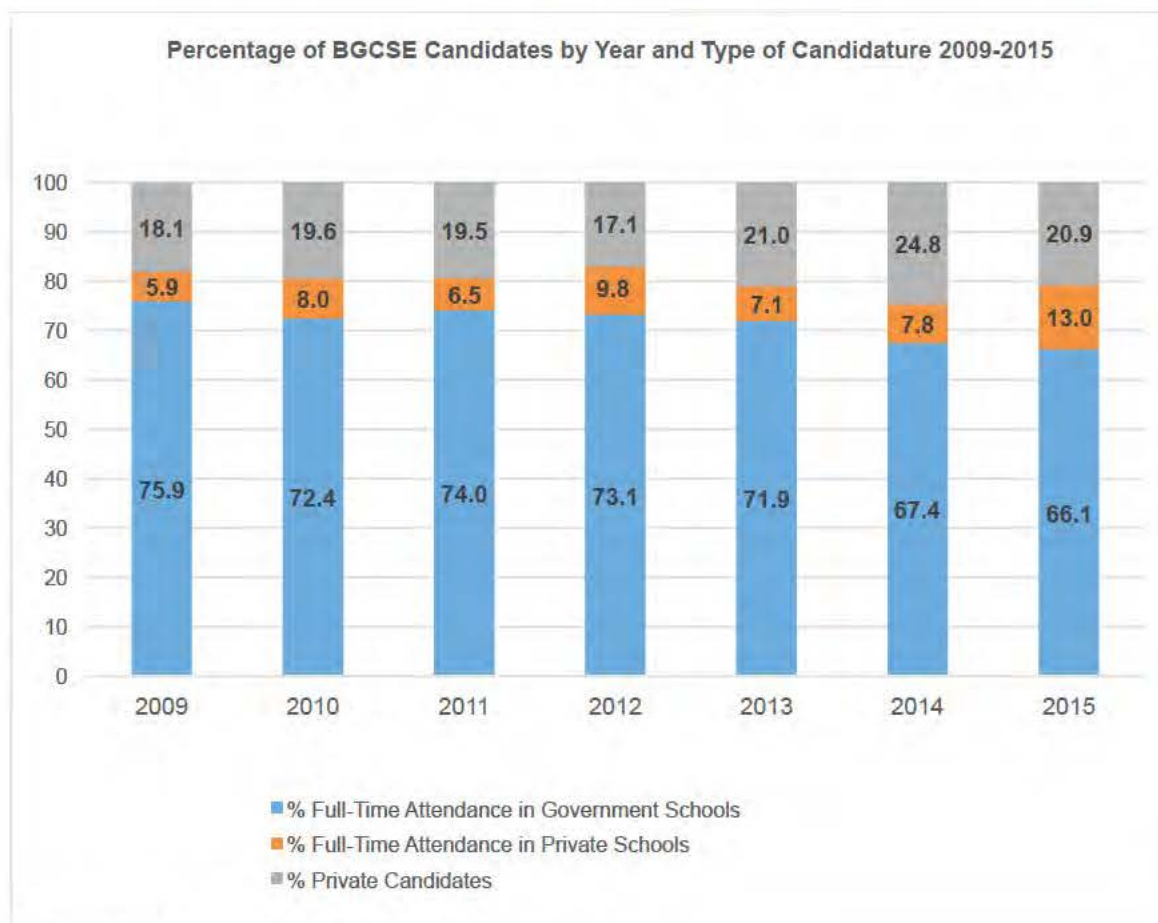
**Table A3. 1: Number of Candidates who Sat for BGCSE – (2009 - 2015)**

Year	Candidates in Full-time Attendance at Government Schools	Candidates in Full-time Attendance at Private Schools	Private Candidates	Total Number of Candidates
2015	25,634	5,056	8,100	38,790
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

Data Source: Botswana Examination Council (2015)

The Total BGCSE candidates reduced from 31,468 in 2009 to 29,363 in 2010 and further reduced to 28,702 in 2011 and thereafter kept increasing from 31,665 in 2012 to 38,790 in 2015. Increase in candidature can be viewed as improved accessibility to BGCSE as well as improved efficiency of the system.

**Chart A3. 1: Percentage of BGCSE Candidates by Year and Type of Candidature - 2009 - 2015**



**Data Source: Botswana Examination Council (2015)**

Chart A3.1 shows that from 2009 to 2015 the majority of BGSCE candidates were those students who were in full attendance in government schools followed by private candidates. Although the highest percentage of candidature was among those who attended fulltime in government schools across the observed years (2009-2015) there has been some decline in percentage of candidates in this category from 75.9 percent in 2009 to 72.4 percent in 2010. In 2011 there was an increase to 74.0 percent and thereafter decreased to 67.4 percent in 2014 and further decreased to 66.1 percent in 2015. On the other hand, percentage of candidates who attended private school full-time increased from 5.9 percent in 2009 and 13.0 percent in 2015, while the candidature for private candidates increased from 18.1 percent in 2009 to 24.8 percent in 2014 and decreased to 20.9 percent in 2015.



### Transition Rate (TR)

Transition rate from senior secondary to tertiary education examines the proportion of students who advanced or graduated, 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, expressed as a percentage of number of senior secondary output. 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 tertiary education transition rate for 2014 upper secondary output to tertiary education level in 2015.

**Table A3. 2: New Intake and Transition Rate by Type of TEIs 2015/16**

Type of Institution	New Intake	Transition Rate (Crude) <sup>13</sup>
<b>PRIVATE</b>	<b>6,207</b>	<b>16.60%</b>
Other Colleges	2,724	7.29%
Universities	3,483	9.32%
<b>PUBLIC</b>	<b>8727</b>	<b>23.34%</b>
College of Education	339	0.91%
Institute of Health Sciences	428	1.14%
Other Colleges	1,778	4.76%
Technical College	1,921	5.14%
Universities	4,261	11.40%
<b>GRAND TOTAL</b>	<b>14,934</b>	<b>39.95%</b>

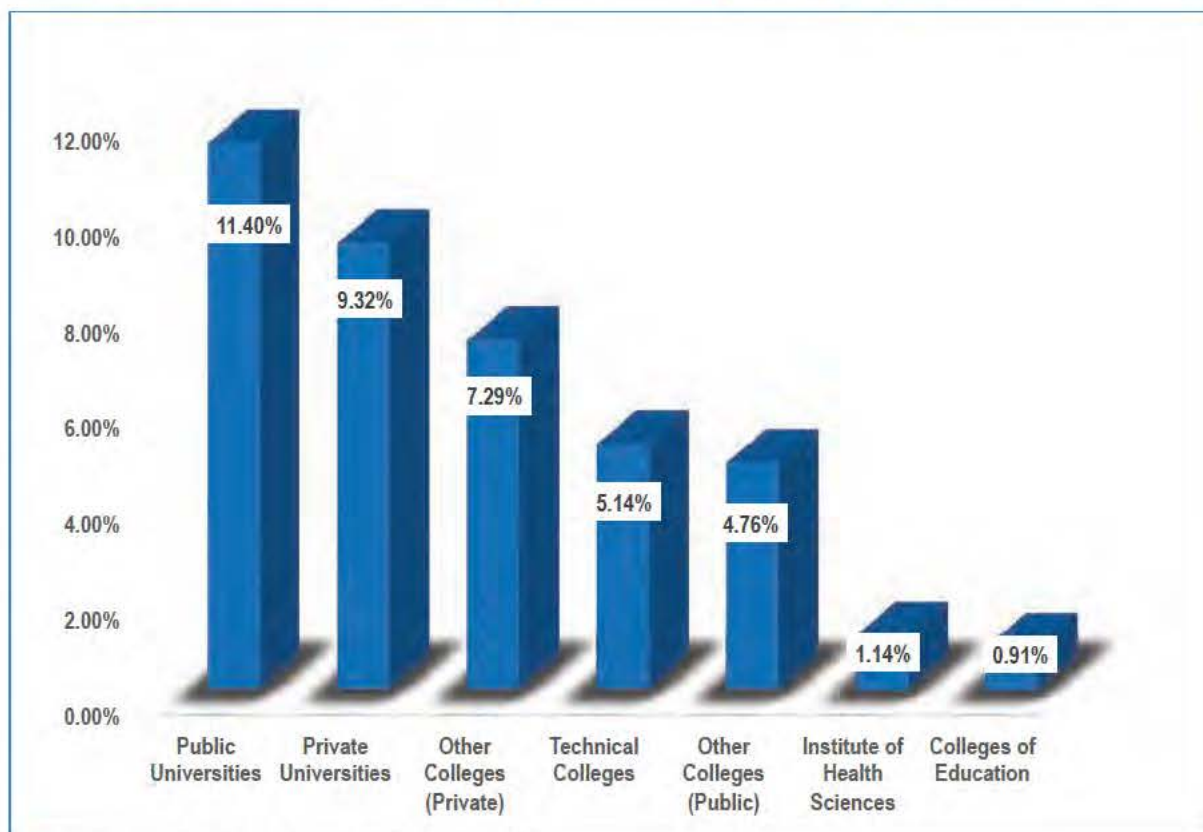
Data Sources: Tertiary Education at Glance 2016

Enrolment in tertiary education is mainly after successful completion of upper secondary. That is mainly new entrants in tertiary institutions are those who have successfully passed BGCSE and its equivalence. Therefore, crude transition rate by institutions is the number of new entrants in tertiary institutions irrespective of age and cohort in relation to all students who sat for BGCSE the previous year. Table A3.2 above shows that only 39.95% of students were able to transit to tertiary level in 2015. The high rate (60.05%) of those who did not

<sup>13</sup> New intake includes intake from previous cohorts, in-service and international students and this makes the calculated transition rates to be crude.

transit to tertiary education level signals some difficulties in bridging between the upper secondary and the tertiary levels of education. It should however be noted that the 60.05 percent might include some students who have transited to brigades, private Technical & Vocational Education and Training Institutions, A-levels and those on private sponsorship outside the country who are not covered in this report.

**Chart A3. 2: Transition Rate- Upper Secondary to Tertiary Education 2015/16**



Data Sources: Tertiary Education at Glance 2016

#### Other Key highlights of this indicator

- Nationally 39.95 percent of the students who successfully completed Botswana General Certificate of Secondary Education subsequently progressed into Tertiary Education Institutions.
- Transition into public institutions was 23.34 percent in 2015/16 compared to 16.61 percent in private institutions.
- From the 23.34 percent who transited to public institutions the majority (11.40%) were enrolled in public universities.
- Colleges of Education had the lowest transition rate at 0.91 percent.
- A decline in transition rate from 64.28 percent in 2014/15 to 39.95 percent in 2015/16. The decline in the indicator during 2015/16 is fairly serious and needs attention from policy makers. The students who sat for BGCSE only



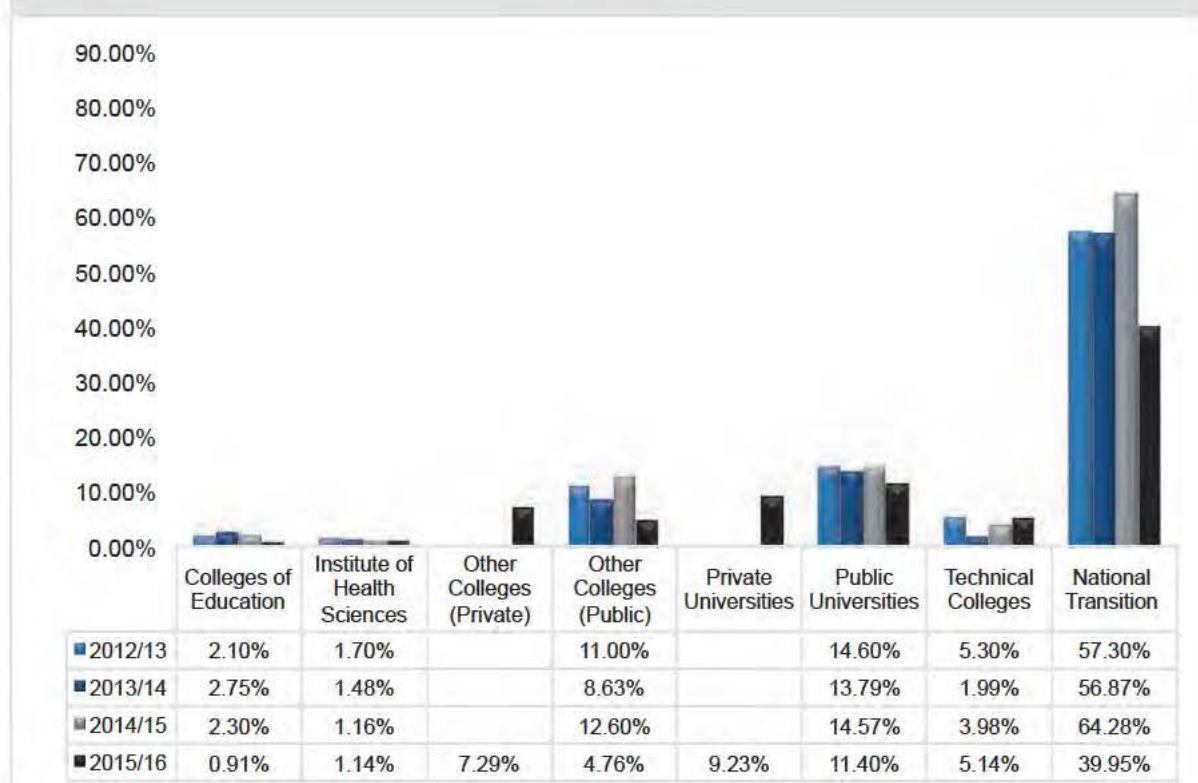
increased marginally so the main cause of the steep decline was sharply reduced intake of students into the Tertiary education system. These kinds of sharp events affecting large numbers of people tend to create shocks in the economic system and labour market leading to unwanted outcomes in other parts of the system; and it is far better to have steady increases or decreases. The causes should be isolated at policy level so that this kind of event will not occur in future.

## NATIONAL TRANSITION RATE TRENDS – 2012-2015

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 – (2012/13-2015/16<sup>14</sup>)**

*This graph shows upper secondary to tertiary education transition rates across the diverse types of institutions from 2012-2015.*

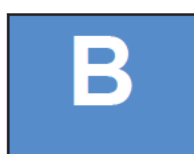


**Source: Tertiary Institutions**

<sup>14</sup> The 2015/16 transition rate excludes the brigades/community institutions

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## Chapter



# FINANCIAL RESOURCES INVESTED IN EDUCATION



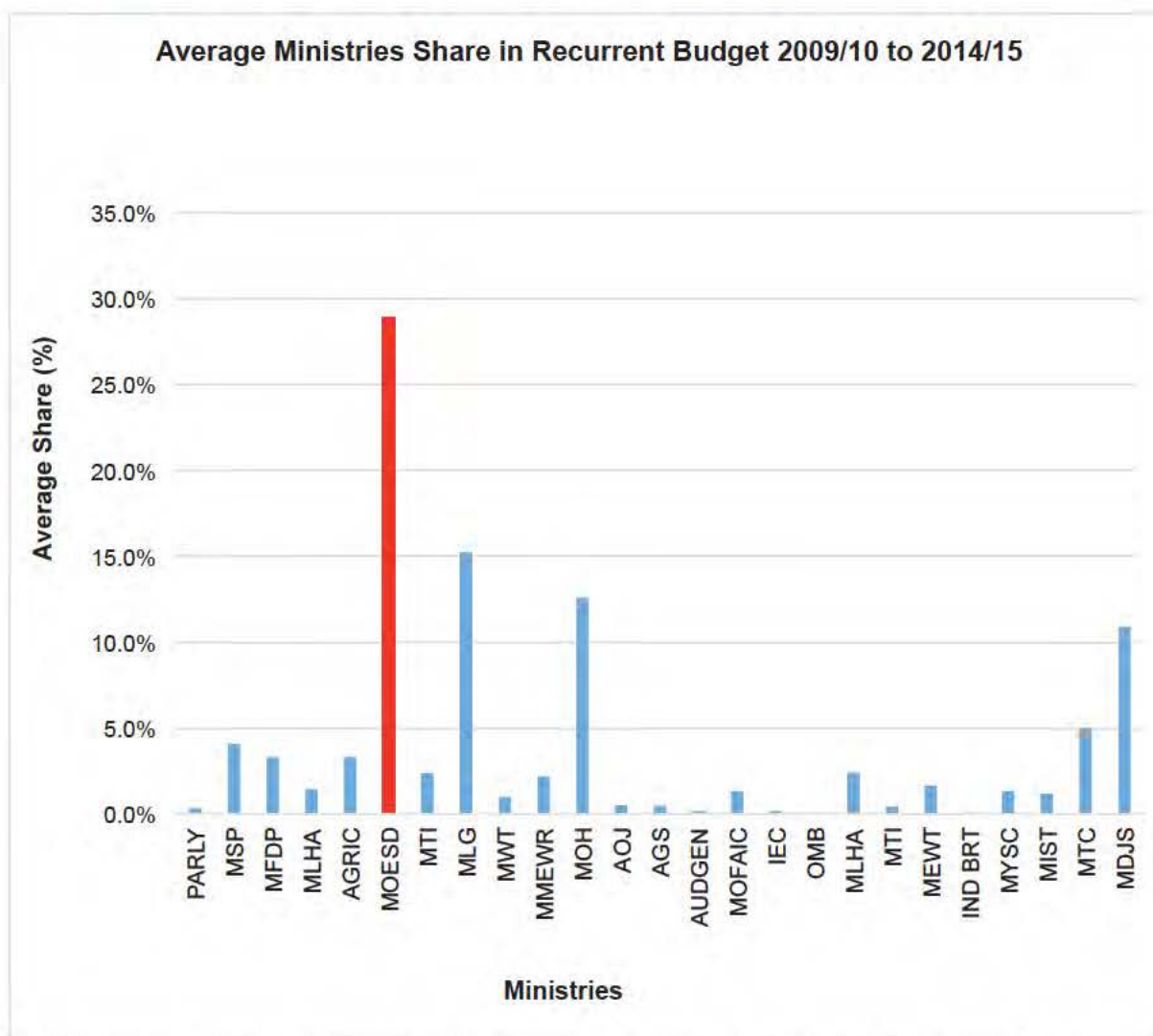
**Chart B. 1: MOESD Annual Percentage Share in Recurrent Budget - 2009/10 - 2014/15**



**Data Source:** Financial Statements, Tables and Estimates of the Consolidated and Development Funds Revenues (2014/2015)

Chart B.1 shows that since 2009/10 to 2014/15 financial years Ministry of Education and Skills Development had more than 25 percent as its annual percentage share of the government Recurrent Budget expenditure. Although this being the case, the ministry's percentage share has been declining during this period; from 30.5 percent in 2009/10 to 27.8 percent in 2014/15.

**Chart B. 2: Average Ministries Share in Recurrent Budget 2009/10 to 2014/15**



**Data Source:** Financial Statements, Tables and Estimates of the Consolidated and Development Funds Revenues (2014/2015)

Chart B.2 indicates that on average; from 2009/10 to 2014/15 the bulk of the Recurrent Budget expenditure went to Ministry of Education and Skills Development with an average percentage share of 29.0 percent followed by Ministry of Local Government and Rural Development and Ministry of Health with 15.2 and 12.6 percentages respectively. Attorney General Chambers, Administration of Justice and Ministry of Trade and Industry had the lowest percentage shares of the total recurrent budget expenditure.



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# Chapter



## THE OUTPUT OF EDUCATIONAL INSTITUTIONS



# C1

## NUMBER OF TERTIARY EDUCATION GRADUATES

A graduate in the reference period refers to a person who has successfully completed a course of study or training, has been awarded an academic degree. In context, graduates are deemed to be learners who completed their tertiary education in the reference period, either as first timers or more. Section C shows the number of students who have successfully completed their studies in different tertiary education institutions.

**Table C1. 1: Graduates by Type of TEI and Qualification Level-2015**

TYPE OF INSTITUTION	Cert	Diploma	Bachelor Degree	Master Degree	MPhil	PHD	Prof Course	Post Grad.	Grand Total
COLLEGES OF EDUCATION		802							802
INSTITUTE OF HEALTH SCIENCES		452							452
OTHER COLLEGES (public)	938	601	638	123			168	227	2,695
PRIVATE INSTITUTIONS	720	1,475	463	3			183		2,844
PRIVATE UNIVERSITIES	207	1,266	1,154	2			69	5	2,703
PUBLIC UNIVERSITIES		400	3,141	265	5	19		290	4,120
TECHNICAL COLLEGES	907	397							1,304
<b>GRAND TOTAL</b>	<b>2,772</b>	<b>5,393</b>	<b>5,396</b>	<b>393</b>	<b>5</b>	<b>19</b>	<b>420</b>	<b>522</b>	<b>14,920</b>

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-2015**

ISCED BROAD GROUP	CERT	DIP	BA	MA	MPhil	PHD	Prof Courses	Post Grad	Grand Total
AGRICULTURE		73	185	11					264
EDUCATION	444	1,063	1,104	73		4		467	3,155
ENGINEERING MANUFACTURING & CONSTRUCTION	780	733	284	47	0	1			1845
HEALTH & WELFARE	126	993	199	20		1			1339
HUMANITIES & ARTS	76	224	761	21		3			1,085
SCIENCE	135	318	905	30		4			1,392
SERVICES	178	210	290		5	3	21	0	707
SOCIAL SCIENCES BUSINESS & LAW	1,033	1,779	1,673	191		3	399	55	5,133
<b>GRAND TOTAL</b>	<b>2,772</b>	<b>5,393</b>	<b>5,396</b>	<b>393</b>	<b>5</b>	<b>19</b>	<b>420</b>	<b>522</b>	<b>14,920</b>

Source: Tertiary Institutions 2015

The total number of graduates in 2015 was 14,920 comprising of 9,373 from public institutions (universities included) 5,547 from private institutions. The majority of students graduated with Diploma and Bachelors Degree at 5,393 and 5,396 respectively. Few students (417) graduated with post-graduate degrees and only 420 acquired professional qualifications. Furthermore, Table C1.2 shows that the overall number of graduates was higher in Social Sciences, Business and Law broad groups of ISCED with a total of 5,133 graduates followed by Education with 3,155. Agriculture had the lowest number (264) of graduates.

The continued high number of graduates in Social Sciences, Business and Law and Education categories together with low number of graduates with post-graduate qualifications; Masters and Doctor of Philosophy qualification levels is an indication that there is need for institutional strategy to improve participation in terms of enrolment in the fields such as Science, Agriculture, Engineering, Manufacturing and Construction which are earmarked towards diversifying the economy. Emphasis on tertiary education participation should also focus on Masters and Doctor of Philosophy qualification levels to ensure knowledge and skills equipped graduates to drive the economy.

**Table C1. 3: Graduates by ISCED Classification and Qualification Level-2015**

ISCED BROAD GROUP	ISCED FIELD OF EDUCATION	Cert	Dip	BA	MA	MPhil	PhD	Post Grad.	Prof	Grand Total
AGRICULTURE	Agriculture, Forestry & Fishery		73	180	11					264
EDUCATION	Teacher Training & Education Science	444	1,063	1,104	73	-	4	467		3,155
ENGINEERING, MANUFACTURING & CONSTRUCTION	Architecture & Building	114	173	62						349
	Engineering & Engineering Trades	653	405	157	47		1			1,263
	Manufacturing & Processing	13	155	65						233
	<b>Total</b>	<b>780</b>	<b>733</b>	<b>284</b>	<b>47</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>1,845</b>
HEALTH AND WELFARE	Health		896	126	10					1,032
	Social Services	126	97	73	10		1			307
	<b>Total</b>	<b>126</b>	<b>993</b>	<b>199</b>	<b>20</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>1,339</b>
HUMANITIES AND ARTS	Arts	45	107	219						371
	Humanities	31	117	542	21	-	3	-		714
	<b>Total</b>	<b>76</b>	<b>224</b>	<b>761</b>	<b>21</b>	<b>-</b>	<b>3</b>	<b>-</b>	<b>-</b>	<b>1,085</b>
SCIENCE	Computing	107	318	810	17					1,252
	Life Sciences	28		43	1					72
	Mathematics And Statistics			4	6		2			12
	Physical Sciences			48	6		2			56
	<b>Total</b>	<b>135</b>	<b>318</b>	<b>905</b>	<b>30</b>	<b>-</b>	<b>4</b>	<b>-</b>	<b>-</b>	<b>1,392</b>
SERVICES	Environmental Protection	27	21	37		5	3			93
	Personal Services		43	237					21	412
	Security Services		90	16						146
	Transport Services		56							56
	<b>Total</b>		<b>210</b>	<b>290</b>	<b>-</b>	<b>5</b>	<b>3</b>	<b>-</b>	<b>21</b>	<b>707</b>



**Table C1.3 Cont'd....**

ISCED BROAD GROUP	ISCED FIELD OF EDUCATION	Cert	Dip	BA	MA	MPhil	PhD	Post Grad.	Prof	Grand Total
SOCIAL SCIENCES, BUSINESS & LAW	Business And Administration	997	1,453	1,288	131		1	55	399	4,324
	Journalism And Information	6	135	71						212
	Law	27	161	68	1					257
	Social & Behavioural Science	3	30	246	59		2			340
	<b>Total</b>	<b>1,033</b>	<b>1,779</b>	<b>1,673</b>	<b>191</b>	<b>-</b>	<b>3</b>	<b>55</b>	<b>399</b>	<b>5,133</b>
<b>GRAND TOTAL</b>		<b>2,772</b>	<b>5,393</b>	<b>5,396</b>	<b>393</b>	<b>5</b>	<b>19</b>	<b>522</b>	<b>420</b>	<b>14,920</b>

Source: Tertiary Institutions 2015

**Table C1. 4: Graduates by Type of TEI, ISCED Broad Group and Qualification Level-2015**

TYPE OF INSTITUTION	ISCED BROAD GROUP	Cert	Dip	BA	MA	MPhil	PhD	Post Grad.	Prof	Grand Total
PRIVATE INSTITUTIONS	Education	181	81							262
	Engineering, Manufacturing & Construction	330	249							579
	Health & Welfare	126	519							645
	Humanities & Arts	20	86							106
	Science			10						10
	Services	12	68	45					5	130
	Social Sciences, Business & Law	51	472	408	3				178	1,112
	<b>TOTAL</b>	<b>720</b>	<b>1,475</b>	<b>463</b>	<b>3</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>183</b>	<b>2,844</b>
PRIVATE UNIVERSITIES	Education	122	44	42				5		213
	Engineering, Manufacturing & Construction	39	226	44						309
	Health And Welfare									-
	Humanities And Arts		107	197						304
	Science	1	287	541	2					831
	Services		72	131						203
	Social Sciences, Business & Law	45	530	199					69	843
	<b>TOTAL</b>	<b>207</b>	<b>1,266</b>	<b>1,154</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>5</b>	<b>69</b>	<b>2,703</b>
COLLEGES of EDUCATION	Education		802							802
INSTITUTE OF HEALTH SCIENCES	Health And Welfare	-	452							452
	Services	-								-
	<b>TOTAL</b>	<b>-</b>	<b>452</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>452</b>



Table C1.4 Cont'd

TYPE OF INSTITUTION	ISCED BROAD GROUP	Cert	Dip	BA	MA	MPhil	PhD	Post Grad.	Prof	Grand Total
OTHER COLLEGES	Education	10	96	29				172		307
	Engineering, Manufacturing & Construction				41					41
	Humanities And Arts	11								11
	Science	28		168	9					205
	Services	61	70	61					21	213
	Social Sciences, Business & Law	828	435	380	73			55	147	1,918
	TOTAL	938	601	638	123	-	-	227	168	2,695
TECHNICAL COLLEGES	Education	145								145
	Engineering, Manufacturing & Construction	411	220							631
	Health And Welfare									-
	Humanities And Arts	31								31
	Science	106	31							137
	Services	105								105
	Social Sciences, Business & Law	109	146							255
	TOTAL	907	397	-	-	-	-	-	-	1,304

Source: Tertiary Institutions 2015

**Table C1. 5: Graduates by Type of TEI, Qualification and Year**

TYPE OF INSTITUTION	Qualification Level	2009	2010	2011	2012	2013	2014	2015
PRIVATE INSTITUTIONS	Certificate		96	88	176	83	405	927
	Diploma	3,158	3,430	2,088	881	700	3,713	2,741
	Bachelor's	322	3	140	606	472	3,021	1,617
	Master's							5
	MPhil							-
	PhD							-
	PGD							5
	Professional					1	222	252
	<b>TOTAL</b>	<b>3,480</b>	<b>3,529</b>	<b>2,316</b>	<b>1,663</b>	<b>1,256</b>	<b>7,361</b>	<b>5,547</b>
COLLEGES OF EDUCATION	Certificate							
	Diploma	168	766	851	815	1,137	856	802
	Bachelor's							
	Master's							
	MPhil							
	PhD							
	<b>TOTAL</b>	<b>168</b>	<b>766</b>	<b>851</b>	<b>815</b>	<b>1,137</b>	<b>856</b>	<b>802</b>
INSTITUTE OF HEALTH SCIENCES	Certificate							
	Diploma	133	549	726	528	594	516	452
	Bachelor's							
	Master's							
	MPhil							
	PhD							
	PGD							
	<b>TOTAL</b>	<b>133</b>	<b>549</b>	<b>726</b>	<b>528</b>	<b>594</b>	<b>516</b>	<b>452</b>



Table C1.5 Cont'd

TYPE OF INSTITUTION	Qualification Level	2009	2010	2011	2012	2013	2014	2015
OTHER COLLEGES	Certificate	192	272	343	1,074		311	938
	Diploma	170	197	367	665	36	545	601
	Bachelor's	182	169	136	409		683	638
	Master's	-	-	23	197	83	149	123
	MPhil							-
	PhD							-
	PGD							227
	Professional						870	168
	<b>TOTAL</b>	<b>544</b>	<b>638</b>	<b>869</b>	<b>2,345</b>	<b>119</b>	<b>2,558</b>	<b>2,695</b>
TECHNICAL COLLEGES	Certificate	34	47	74	154	239	393	907
	Diploma	33	51	9	234	249	239	397
	Bachelor's							
	Master's							
	MPhil							
	Professional						71	
	<b>TOTAL</b>	<b>67</b>	<b>98</b>	<b>83</b>	<b>388</b>	<b>488</b>	<b>703</b>	<b>1,304</b>
PUBLIC UNIVERSITY	Certificate	79	64	122	30	11	-	
	Diploma	578	621	608	446	449	590	400
	Bachelor's	1,899	1,846	1,840	1,587	2,007	2,815	3,141
	Master's	186	215	194	175	155	177	265
	MPhil	4	2	9	3	3	4	5
	PhD	160	120	68		200		19
	PGD	8	6	9	3	12	14	290
	<b>TOTAL</b>	<b>2,914</b>	<b>2,874</b>	<b>2,850</b>	<b>2,244</b>	<b>2,837</b>	<b>3,600</b>	<b>4,120</b>
<b>GRAND TOTAL</b>		<b>7,306</b>	<b>8,454</b>	<b>7,695</b>	<b>7,983</b>	<b>6,431</b>	<b>15,594</b>	<b>14,920</b>

**Table C1. 6: Graduates by ISCED broad Group, Qualification and Year – 2009-2015**

ISCED BROAD GROUP	Qualification Level	2009	2010	2011	2012	2013	2014	2015
AGRICULTURE	Certificate							
	Diploma	80	48	44	25		47	73
	Bachelor's Degree	182	169	136	139		267	180
	Master's Degree			5	3		11	11
	MPhil							
	PhD							
	PGD							
	<b>TOTAL</b>	<b>262</b>	<b>217</b>	<b>185</b>	<b>167</b>		<b>325</b>	<b>264</b>
EDUCATION	Certificate	-	17	9	81	187	315	444
	Diploma	190	967	926	1,213	1,180	1,173	1,063
	Bachelor's Degree	389	418	340	360	439	1,151	1,104
	Master's Degree	54	58	46	33	43	40	73
	MPhil							-
	PhD	-	3	3	2	1	9	4
	PGD	160	120	68		199		467
	<b>TOTAL</b>	<b>793</b>	<b>1,583</b>	<b>1,392</b>	<b>1,689</b>	<b>2,049</b>	<b>2,688</b>	<b>3,155</b>
ENGINEERING, MANUFACTURING & CONSTRUCTION	Certificate	88	71	133	34	90	207	780
	Diploma	213	224	365	259	209	549	733
	Bachelor's Degree	106	117	129	197	87	237	284
	Master's Degree	4	7	5	7	2	1	47
	MPhil					1		-
	PhD					1	1	1
	PGD					-		-
	<b>TOTAL</b>	<b>411</b>	<b>419</b>	<b>632</b>	<b>497</b>	<b>390</b>	<b>995</b>	<b>1,845</b>



Table C1.6 Cont'd

ISCED BROAD GROUP	Qualification Level	2009	2010	2011	2012	2013	2014	2015
HEALTH AND WELFARE	Certificate	-	8	10			9	126
	Diploma	155	579	758	573	913	1,613	993
	Bachelor's Degree	130	149	181	90	61	89	199
	Master's Degree	8	14	7	20	4	10	20
	MPhil							-
	PhD							1
	PGD							-
	<b>TOTAL</b>	<b>293</b>	<b>750</b>	<b>956</b>	<b>683</b>	<b>978</b>	<b>1,721</b>	<b>1,383</b>
HUMANITIES AND ARTS	Certificate	-	34	10	-	4	14	76
	Diploma	413	373	483	121	49	478	224
	Bachelor's Degree	476	356	336	337	461	1,272	761
	Master's Degree	13	8	7	3	12	14	21
	MPhil			1	3		-	-
	PhD	-	1		1	1	-	3
	PGD							-
	<b>TOTAL</b>	<b>902</b>	<b>772</b>	<b>837</b>	<b>465</b>	<b>527</b>	<b>1,778</b>	<b>1,085</b>
SCIENCE	Certificate	24	35	45	347		68	135
	Diploma	359	297	384	256	218	441	318
	Bachelor's Degree	277	138	233	510	608	1,196	905
	Master's Degree	18	21	22	12	11	25	30
	MPhil	4	2	8		1		-
	PhD	5	2	5		6	3	4
	PGD					1		-
	<b>TOTAL</b>	<b>687</b>	<b>495</b>	<b>697</b>	<b>1,125</b>	<b>845</b>	<b>1,733</b>	<b>1,392</b>

**Table C1.6 Cont'd.....**

<b>ISCED BROAD GROUP</b>	<b>Qualification Level</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
<b>SERVICES</b>	Certificate	13			55	30	118	178
	Diploma	643	559	289	88	36	275	210
	Bachelor's Degree	89	13	24	94	56	454	290
	Master's Degree	1	1		1	1	8	-
	MPhil						4	5
	PhD					1	1	3
	PGD							-
	Professional							21
	<b>TOTAL</b>	<b>746</b>	<b>573</b>	<b>313</b>	<b>238</b>	<b>124</b>	<b>860</b>	<b>707</b>
<b>SOCIAL SCIENCES, BUSINESS AND LAW</b>	Certificate	180	314	420	917	11	378	1,033
	Diploma	2,187	2,567	1,400	1,034	558	1,883	1,779
	Bachelor's Degree	754	658	737	875	767	1,853	1,673
	Master's Degree	88	106	125	293	163	217	191
	MPhil							-
	PhD	3	-	1				3
	PGD							55
	Professional					12	1,092	399
	<b>TOTAL</b>	<b>3,212</b>	<b>3,645</b>	<b>2,683</b>	<b>3,119</b>	<b>1,511</b>	<b>5,423</b>	<b>5,133</b>
<b>UNKNOWN</b>	Unknown					7	71	
<b>GRAND TOTAL</b>		<b>7,306</b>	<b>8,454</b>	<b>7,695</b>	<b>7,983</b>	<b>6,431</b>	<b>15,594</b>	<b>14,920</b>

Source: Tertiary Education Institutions 2015



## GRADUATES BY TEIs AND PROGRAMME: 2009-2015 (PRIVATE INSTITUTIONS)

**Table C2. 1: ABM University College Graduates by Programmes – 2009-2015**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
Certificate in Financial Management				1			
Certificate in Human Resource Management		6		5			2
Certificate in Marketing Management						3	
Certificate in Secretarial Studies		28		22		4	12
Advanced Diploma In Accounting And Finance		43		4		30	
Advanced Diploma In Advertising & Public Relations				1			
Advanced Diploma In Business Information Systems		3		3		39	
Advanced Diploma in Business Management		3		26		65	17
Advanced Diploma in Computer Systems Engineering & Hardware Maintenance		29					
Advanced Diploma In Electrical & Electronic Engineering		2		16		4	13
Advanced Diploma in Financial Management				38		100	5
Advanced Diploma in Human Resource Management		15		18		112	11
Advanced Diploma In Marketing				29		11	4
Advanced Diploma In Marketing, Advertising and Public Relations		176					
Advanced Diploma in Purchasing & Supply Mgt		75					
Advanced Diploma in Secretarial Studies						44	27
Advanced Diploma In Tourism& Hospitality				7			
Advanced Diploma In Travel, Tourism & Hospitality Mgt		20				24	13
Advanced Certificate in Chartered Institute of Procurement & Supplies							4
Diploma in Business Management		1		5		22	
Diploma in Electrical & Electronic Engineering				5			
Diploma in Financial Management						1	1

Table C2.1 Cont'd.....

<b>PROGRAMMES OFFERED</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
Diploma in Human Resource Management				48		41	3
Diploma in Marketing Management						8	
Diploma in Purchasing And Supply Management		6					
Diploma in Secretarial Studies		36		35		24	9
Diploma in Chartered Institute of Procurement & Supplies							8
BA (Hons) in Business Management						36	33
BA (Hons) in Human Resource Management						47	120
BA (Hons) in Marketing Management						117	48
BA (Hons) In Tourism Management						8	45
BSc (Hons) in Accounting and Finance							43
<b>TOTAL</b>		<b>443</b>	<b>0</b>	<b>263</b>	<b>0</b>	<b>740</b>	<b>418</b>



**Table C2. 2: Ba Isago University Graduates by Programme – 2009-2015**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
Bachelor of Education Early Childhood Management							27
Bachelor of Commerce Entrepreneurship			3	3	9	11	1
Bachelor of Commerce Financial Management							2
Bachelor of Com Human Resources Management							2
Bachelor of Commerce Logistics							1
Bachelor of Commerce Risk Management			6	14	6	8	
Bachelor of Commerce Marketing							2
Bachelor of Commerce Strategic Supply			5		3	5	1
Bachelor of Technology in safety Management (UNISA)					17	26	
Certificate in Law		7	7	2		4	15
Certificate in Real Estate		16	49	76	14	29	39
Certified Accounting Technician		31	31	43	11	34	
Bachelor of Education Social Studies							15
Certificate in Business Management							17
Certificate in Court Administration							12
Certificate in Human Resource Management				5		11	
Certificate In Vocational Education & Training					26	26	12
Diploma in Court Administration					28	28	75
Diploma in Accounting							68
Diploma in Entrepreneurship							6
Diploma in Law							31
Diploma in Marketing							9
Diploma in Transport Management & Logistics							56
National Diploma in Safety Management			33	21	21	36	5
National Professional Diploma in Education		177	66		38	52	44

Table C2.2 Cont'd....

National Diploma in Real Estate			12	1			84
Foundation and Intermediate Certificate for Deputy Sheriffs and Court Bailiffs		7	1				
Post Graduate Diploma in Educational Leadership & Management							5
<b>Total</b>		<b>238</b>	<b>213</b>	<b>165</b>	<b>173</b>	<b>281</b>	<b>529</b>



**Table C2. 3: Boitekanelo College Graduates by Programmes – 2009-2015**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
Diploma in Public Health and Occupational Health					103	292	155
Diploma in Health Promotion and Education					60	177	94
Diploma in Health Care Management					59	191	87
Diploma in Emergency Medical Care					52	242	108
Diploma Counselling					60	207	75
<b>Total</b>					<b>334</b>	<b>1,109</b>	<b>519</b>

**Table C2. 4: Bosa Bosele Training Institute Graduates 2009-2015**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
Certificate in Early Childhood Education						80	181
Certificate in HIV/AIDS Care & Counselling						9	10
Certificate in Insurance						...	6
Certificate in Journalism and Media Studies						8	6
Certificate in Security Risk & Loss Control						6	9
Certificate in Social work						120	116
<b>Total</b>						<b>223</b>	<b>328</b>

**Table C2. 5: Botho University Graduates by Programme -2009-2015**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
BSc (Honours) Computing			28	15	324	324	354
BSc (Honours) Computing & Its Practice			13	75	113	110	65
DNIIT (Network Engineering) Microsoft Technologies			83				164
DNIIT (Software Engineering) Microsoft Technologies			61				39
DNIIT Honours (Network Engineering) Microsoft Technologies			30				
Post Graduate Certificate In Higher Education				22	26	39	23
Professional Diploma, Hons In Information Technology				133	189	189	
Diploma in Computing							1
Certificate in Business Management							1
Certificate in Computing							1
Post Certificate in Higher Education							87
Masters in Computing							2
Professional Development Programmes							69
<b>TOTAL</b>			<b>215</b>	<b>245</b>	<b>652</b>	<b>662</b>	<b>806</b>



**Table C2. 6: Gaborone Academy of Education Graduates: 2009-2015**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
Association of Accounts Technician							19
ATTL4					1	11	
Advanced Certificate in Business Skills					2	2	4
Certificate in Business Studies						4	1
Diploma Human Resource Management						6	6
Certificate in Marketing Advertising & Public Relations					2	16	13
Project Management					2		
Business Management					1		
<b>TOTAL</b>					<b>8</b>	<b>39</b>	<b>43</b>

**Table C2. 7: Gaborone Institute of Professional Studies Graduates: 2009-2015**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
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
<b>GRAND TOTAL</b>							<b>252</b>

**Table C2. 8: Gaborone Universal College of law Graduates: 2009-2015**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
Diploma in Early Childhood Education							81
Diploma in Court Administration							5
Diploma in Law					73	102	50
Advanced Diploma in Criminology							6
Advanced Diploma in Occupational Health & Safety & Environmental Law							31
Advanced Diploma in Security Management & Legal Studies							1
<b>GRAND TOTAL</b>					<b>89</b>	<b>131</b>	<b>174</b>

**Table C2. 9 : Imperial School of Business!Graduates by Programme -2009-2015**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
Association of Accounting Technicians (AAT)						151	133
Advanced Diploma In Travel, Tourism & Hospitality Management						51	17
Advanced Diploma In Business Management						36	
Advanced Diploma In Marketing Management						43	43
Advanced Diploma In Marketing, Advertising & Public Relations Management						7	5
Diploma In Business Skills						22	22
Advanced Diploma In Human Resource Management						26	
Bachelor of Business Administration (Hons) Finance & Banking						16	
<b>Total</b>						<b>352</b>	<b>220</b>



**Table C2. 10: Limkokwing University Graduates by Programme -2009-2015**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
Associate Degree in Advertising						58	24
Associate Degree in Architecture						86	46
Associate Degree in Broadcasting (TV & Radio)						206	48
Associate Degree in Business Information Systems						82	42
Associate Degree in Business Information Technology						4	
Associate Degree in Business Management						65	88
Associate Degree in Creative Multimedia						3	7
Associate Degree in Creative Writing						1	
Associate Degree in Digital Photography						11	
Associate Degree in Digital Video						7	9
Associate Degree in Event Management							1
Associate Degree in Fashion & Apparel Design						18	16
Associate Degree in Film & TV Production						50	
Associate Degree in Fine Art							13
Associate Degree in Furniture Design							4
Associate Degree in Graphic Design						44	22
Associate Degree in Hotel Management							4
Associate Degree in Information Technology						10	1
Associate Degree in Interior Design							10
Associate Degree in International Tourism							1
Associate Degree in Journalism & Media						35	87
Associate Degree in Marketing						3	43
Associate Degree in Merchandising & Retailing						29	19
Associate Degree in Mobile Computing						7	

Table C2. 10 Cont'd....

Associate Degree in Multimedia & Software Engineering							1
Associate Degree in Packaging Design & Technology						11	14
Associate Degree in Public Relations						10	10
Associate Degree in Software Engineering						13	1
Associate Degree in Sound Technology						50	37
Associate Degree in Textile Design						22	70
Associate Degree in Tourism Management						8	6
Associate Degree in Videography						10	
Associate Degree in Web Design						47	38
BA (Hons) Broadcasting & Journalism						259	54
BA (Hons) in Creative Multimedia						81	32
BA in Interior Architecture						164	44
BA in Interior Architecture						26	
BA(Hons) Digital Film & TV Production						66	29
BA(Hons) Events Management						151	18
BA(Hons) in Industrial Design						162	22
BA(Hons) Professional Communication						73	27
Bachelor of Business (Hons) in Entrepreneurship						245	68
Bachelor of Business (Hons) in International Business						175	41
Bachelor of Business (Hons) in Tourism Management						367	131
Bachelor of Design (Hons) in Professional Design						88	96
BSc (Hons) in Electronic Commerce						176	49
BSc (Hons) in Information Technology						194	22
BSc (Hons) in Software Engineering Multimedia						102	51
<b>Total</b>						<b>3,265</b>	<b>1,368</b>



**Table C2. 11: Management College of Southern Africa (MANCOSA)****Graduates: 2009-2015**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
Bachelor of Business Administration							72
Bachelor Commerce in Human Resource Management							43
Bachelor Commerce in Marketing							47
Bachelor of Public Administration							2
Master of Business Administration							3
<b>Total</b>							<b>167</b>

**Table C2. 12: New Era College Graduates by Programme -2009-2015**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
Certificate in Accommodation, Operations and Services						17	
Diploma in Accommodation, Operations and Services						65	
Advanced Diploma in Accommodation, Operations & Services						30	
Diploma in Travel, Tourism and Hospitality Management						26	
Advanced Diploma in Travel, Tourism & Hospitality Mgt						1	
Certificate in Electrical and Electronics Engineering						10	226
Diploma in Electrical and Electronics Engineering						23	150
Advanced Diploma in Electrical and Electronics Engineering						47	18
Diploma in Construction Industry						137	
Certificate in Telecommunication Systems							104
Diploma in Telecommunication Systems							48
Advanced Diploma in Telecommunication Systems							9
<b>TOTAL</b>						<b>356</b>	<b>555</b>

**Table C2. 13: (Other Private Colleges) Graduates by Programme -2009-2015**

<b>ASSEMBLY BIBLE COLLEGE</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
Diploma in Theology		16		13		13	25
<b>Total</b>		<b>16</b>		<b>13</b>		<b>13</b>	<b>25</b>
<b>ARTHUR UNIVERSITY</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
Association of Certified Chartered Accountants (ACCA)							2
Chartered Institute of Management Accountants							3
<b>Total</b>							<b>5</b>
<b>FLY MISSION SERVICES</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
Diploma in Aircraft Maintenance Engineering				5	16	12	11
<b>Total</b>				<b>5</b>	<b>16</b>	<b>12</b>	<b>11</b>
<b>BOTSWANA INSTITUTE OF BANKERS</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
Associate Diploma in Banking							40
<b>Total</b>							<b>40</b>
<b>KGOLAGANO COLLEGE</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
Diploma in Theology						4	61
Certificate in Theology							20
Certificate in Human Development & Rehabilitation							3
<b>Total</b>						<b>4</b>	<b>84</b>
<b>MEGA SIZE COLLEGE</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>
Certificate in Travel, Tourism & Hospitality							3
<b>Total</b>							<b>3</b>
<b>GRAND TOTAL</b>		<b>16</b>		<b>18</b>	<b>16</b>	<b>29</b>	<b>168</b>



# GRADUATES BY TEIs AND PROGRAMME: 2009-2015 (PUBLIC INSTITUTIONS)

**Table C2. 14: Botswana Accountancy College Graduates: 2009-2015**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
Certificate Higher Education in Business Enterprise							5
Certificate Higher Education in Business Management							3
Certificate in Higher Education in Tourism Management							3
Certificate in Accounting & Finance							21
Certificate of Proficiency-Basics of Short Term						85	
Certificate of Proficiency-Basics of Retirement						12	
Certificate of Proficiency-Basics of Long Term						275	
Certificate in Enterprise Risk Management						369	397
Certificate in Finance For Non Finance Managers							107
Certificate in Public Sector Procurement & Tender Process Management							123
Diploma Higher Education in Travel & Tourism Management							2
Diploma in Higher Education in Business Enterprise							1
Diploma in Accounting and Finance							3
Bachelor of Arts (Honours) in Accounting & Finance				53		99	145
Bachelor of Arts (Honours) in Business Enterprise						68	71
Bachelor of Arts (Honours) in Business Management							68
Bachelor of Arts (Honours) in International Tourism Management							57
Bachelor of Arts (Honours) in Travel & Tourism Management							4
Bachelor of Science (hons) Applied Business Computing				53		65	78
Association of Accounting Technicians				113		32	84
Association of Certified Chartered Accountants				11		30	26
Botswana Institute of Chartered Accountants							2
Insurance Institute of South Africa				450		15	26

**Table C2. 14 Cont'd....**

Bachelor of Science (Hons) Computer Systems Engineering				69		45	90
Chartered Institute of Management Accountants				13			9
Master of Business Administration				15	29	15	28
Master of Science in Strategic Management				94	54	138	45
Master of Science in Information Technology Mgt							9
Master of Science in Project Management							41
<b>Total</b>				<b>883</b>	<b>81</b>	<b>1,300</b>	<b>1,503</b>



**Table C2. 15: Botswana College of Distance and Open Learning (BOCODOL)  
Graduates by Programme – 2009-2015**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
Certificate for Distance Education Practitioners						37	10
Certificate in Disaster Management						15	31
Certificate in Small Scale Business Management	169	213	304	266		130	172
English for Professional Purposes							11
Foundation Certificate in English for Professional Purposes		20					
Foundation Certificate In Microsoft Office Suite				266		38	
Post Graduate Certificate in Practitioner Research & Evaluation Skills Training		17	9	2			172
Microsoft Office Suite	23	22	30	65			28
Diploma in Business Management	9	19	46	47		128	86
Diploma in HIV/AIDS and Family Education				9			
Diploma in Human Resource Management	81	130	249	124		228	265
Diploma in Professional Education				332			
Diploma in Tourism Studies				4			
Diploma in Early Childhood Development							96
Bachelor of Finance in Investment Analysis				25			
Bachelor of Commerce in HRM & Industrial Relations				49		124	96
Bachelor of Sciences in Information Technology				21			
Master in Business Management (HRM)				7			
Master of Finance & Control			6	20			
Master in Business Management (International Business)			4	15			
Master of Science in Leadership and Change Management				43			
<b>Total</b>	<b>282</b>	<b>421</b>	<b>648</b>	<b>1,295</b>		<b>700</b>	<b>967</b>

**Table C2. 16: Botswana College of Engineering and Technology (BCET)  
Graduates by Programme – 2009-2015**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
Certificate in Science Laboratory Technology							1
Certificate in Auto Electrician							
Certificate in Electrical & Electronic Engineering	20	20					
National Craft Certificate Automotive Electronics					7	7	
National Craft Certificate Automotive Mechanics						5	6
National Craft Certificate Welding & Fabrication							10
Technician Diploma in Motor Vehicle System							18
National Craft Certificate in Maintenance Fitting						4	19
Certificate in ICT						4	
National Craft Certificate in Heavy Plant Mechanics						32	20
National Craft Certificate in Borehole Mechanics						18	
National Craft Certificate in Penal Beating& Spray Painting						10	10
Diploma in Building and Civil Engineering				41	28	40	33
Diploma in Electrical And Electronic Engineering	33	51		50	35	35	35
Diploma in Geomatics				23	18	15	8
Diploma in Mechanical Engineering				40	52	51	49
Diploma in Water & Environmental Engineering				23	26	26	38
<b>Total</b>	<b>53</b>	<b>71</b>	<b>0</b>	<b>177</b>	<b>166</b>	<b>247</b>	<b>284</b>



**Table C2. 17: Botswana University of Agriculture and Natural Sciences (BUAN)**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
Diploma in Agricultural Extension							29
Diploma in Forestry & Range Ecology	1						
High Diploma in Agriculture	21	16	9	6		17	11
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	18
Higher Diploma in Forestry and Range Ecology	4	10	10	6		11	15
Higher Diploma in Horticulture	8	7	4				
Bachelor of Science in Food Science & Technology							23
Bachelor of Science in Agricultural Economics			3	4		51	18
Bachelor of Science in Agricultural Education	116	49	35	30		54	50
Bachelor of Science in Agricultural Mechanization	3	3	7	17		30	21
Bachelor of Science in Agriculture	40	32	15	24		24	20
Bachelor of Science in Animal Science	1	53	26	31		22	25
Bachelor of Science in Crop Science	10	16	23	19		27	26
BSc in Soil and Water Conservation Engineering	12	16	27	14		23	42
BSc Agricultural Extension						1	20
BSc in Forestry and Range Ecology						35	
Master in Crop Science (Horticulture)				1			2
Master in Animal Science (Animal Nutrition)			1			5	4
Master in Animal Science (Animal Breeding & Production)			2	2			
Master of Science in Agricultural Engineering						2	4
Master of Science in Agricultural Education						3	1
Master in Animal Science (Crop Protection)			2			1	
<b>TOTAL</b>	<b>262</b>	<b>217</b>	<b>185</b>	<b>167</b>	<b>x</b>	<b>325</b>	<b>329</b>

**Table C2. 18: Colleges of Education Graduates by Programme – 2009-2015**

COLLEGE OF EDUCATION	PROGRAMMES	2009	2010	2011	2012	2013	2014	2015
MOLEPOLOLE COLLEGE OF EDUCATION	Diploma In Secondary Education		199	190	97	159	182	173
SEROWE COLLEGE OF EDUCATION	Diploma In Primary Education			161	145	195	195	130
TLOKWENG COLLEGE OF EDUCATION	Diploma In Primary Education		114	154	190		103	201
TONOTA COLLEGE OF EDUCATION	Diploma In Secondary Education		153	159	109	189	225	190
FRANCISTOWN COLLEGE OF EDUCATION	Diploma In Primary Education	168	300	187	274	594	151	108
<b>GRAND TOTAL</b>		<b>168</b>	<b>766</b>	<b>851</b>	<b>815</b>	<b>1,137</b>	<b>856</b>	<b>802</b>



**Table C2. 19: Francistown College Technical and Vocational Education (FCTVE) Graduates by Programme – 2009-2015**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
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	52
Certificate in Hospitality	13			30		14	
Advanced Certificate in Multimedia			10			17	
Advanced Certificate in ICT						9	8
Post Graduate Certificate in TVET				57	133	133	
Certificate in Sports, Recreation & Leisure						44	39
Certificate in Electrical & Mechanical Engineering			15	13	13		
Certificate in Information & Comm. Technology			15	16	30		
Certificate in Hairdressing							18
Post Graduate Certificate in Vocational & Education Training							92
Diploma Clothing Design & Textile			9		13	71	
Diploma in Technical & Vocational Education			9	50			
Diploma in ICT							15
National Diploma in Secretarial Studies							59
Higher Diploma in Beauty And Therapy				7	27	12	
Advanced Diploma in ICT							16
<b>TOTAL</b>	<b>14</b>	<b>27</b>	<b>83</b>	<b>211</b>	<b>324</b>	<b>376</b>	<b>299</b>

**Table C2. 20: Gaborone Technical College (GTC) Graduates by Programme – 2009-2015**

PROGRAMMES	2009	2010	2011	2012	2013	2014	2015
Certificate in Beauty Therapy						28	
Certificate in Hair Dressing						22	
National Craft Certificate NCC2 Electrical						5	
National Craft Certificate NCC3 Refrigeration						11	
Technician Diploma in Electrical& Electronics						14	22
Higher National Diploma in Secretarial Studies							7
National Diploma in Accountancy & Business Studies							24
National Diploma in Secretarial Studies							56
BTEP Certificate in Clothing Design & Textiles							7
Technician Diploma in Construction							17
National Craft Certificate NCC4 Refrigeration							10
BTEP Certificate EME							3
Advanced Certificate in ICT							7
Certificate In Multimedia							14
Access to Retail Business							2
Access to Hospitality Operations							10
<b>Total</b>						<b>80</b>	<b>179</b>



**Table C2. 21: Institute of Development and Management (IDM) Graduates by Programme – 2009-2015**

PROGRAMMES	2009	2010	2011	2012	2013	2014	2015
Certificate in Archives & Records Management						14	
Certificate in Human Resource Management						15	
Diploma in Archives & Records management						31	
Diploma in Educational Management						53	
Diploma in Human Resource Management							80
Bachelor of Education Management							29
<b>TOTAL</b>						<b>113</b>	<b>109</b>

**Table C2. 22: Health Science Institutes (IHS)  
Graduates by Programme – 2009-2015**

HEALTH SCIENCES INSTITUTES	PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
BAMALETE LUTHERAN SCHOOL OF NURSING	Post Basic Diploma in Midwifery			61		18	60	21
	<b>Total</b>	<b>0</b>	<b>0</b>	<b>61</b>	<b>0</b>	<b>18</b>	<b>60</b>	<b>21</b>
INSTITUTE OF HEALTH SCIENCES - FRANCISTOWN								
	Basic Diploma in General Nursing	133	74	82	72	43	43	40
	Post Basic Diploma in Midwifery			44		36	36	30
	<b>Total</b>	<b>133</b>	<b>74</b>	<b>126</b>	<b>72</b>	<b>79</b>	<b>79</b>	<b>70</b>
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	9
	Basic Diploma in General Nursing		73	59	68	42	31	57
	Higher Diploma in Health Education		14	9	14			
	Higher Diploma in Medical Laboratory Technology		29	33	31	27	27	16
	Higher Diploma in Nurse Anaesthesia		8					
	Higher Diploma in Pharmacy Technology		18	27	29	28	20	33
	Post Basic Diploma in Midwifery		54	54		30	23	1
	<b>TOTAL</b>		<b>203</b>	<b>211</b>	<b>153</b>	<b>135</b>	<b>110</b>	<b>116</b>
KANYE SEVENTH DAY ADVENTIST SCHOOL OF NURSING	Advanced Diploma in Family Nurse Practitioner		17	17		25		24
	Post Basic Diploma in Midwifery		24	24	16	20	19	
	Basic Diploma in General Nursing		45	53	54	158	53	52
	<b>Total</b>		<b>86</b>	<b>94</b>	<b>70</b>	<b>203</b>	<b>72</b>	<b>76</b>



**Table C2.20 Cont'd .....**

HEALTH SCIENCES INSTITUTES	PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
INSTITUTE OF HEALTH SCIENCES - LOBATSE	Post Basic Diploma in Midwifery			19	19			
	Higher Diploma in Psychiatric Mental Health Nursing				1			
	Basic Diploma in General Nursing		59	47	89	35	61	45
	Higher Diploma in Environmental Health		15	14	14	15	12	16
	<b>Total</b>		<b>74</b>	<b>80</b>	<b>123</b>	<b>50</b>	<b>73</b>	<b>61</b>
INSTITUTE OF HEALTH SCIENCES - MOLEPOLOLE	Advanced Diploma in Community Health Nursing			9		15		
	Advanced Diploma in Ophthalmic Nursing			12		11		
	Higher Diploma in General Nursing		31	43	33	33	52	36
	Post Basic Diploma in Midwifery			15				
	<b>Total</b>		<b>31</b>	<b>79</b>	<b>33</b>	<b>59</b>	<b>52</b>	<b>36</b>
INSTITUTE OF HEALTH SCIENCES - SEROWE	Higher Diploma in General Nursing		49	18	41	50	63	63
	Diploma in Health Education						7	9
	Post Basic Diploma in Midwifery			28				
	<b>Total</b>		<b>49</b>	<b>46</b>	<b>41</b>	<b>50</b>	<b>70</b>	<b>72</b>
<b>GRAND TOTAL</b>		<b>133</b>	<b>517</b>	<b>697</b>	<b>492</b>	<b>594</b>	<b>516</b>	<b>452</b>

**Table C2. 23: Jwaneng Technical College Graduates by Programme**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
BTEP Certificate in Business							12
NCC Auto Mechanics							11
NCC Bricklaying & Plastering							6
NCC Painting & Decorating							4
NCC Electrical							14
NCC Welding & Fabrication							7
<b>TOTAL</b>							<b>54</b>

**Table C2. 24: Maun Technical College Graduates by Programme – 2009-2015**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
NCC Plumbing							1
NCC Chef							6
NCC Welding							9
NCC Electrical							9
NCC Painting							5
NCC Auto Mechanics							4
NCC Brick Laying							4
NCC Waiter							5
NCC Carpentry							6
Certificate in ICT							9
Certificate in Travel and Tourism							13
Certificate in Hospitality Operations							1
National Certificate in Secretarial Studies							2
Certificate in Accounting and Business Studies							3
<b>TOTAL</b>							<b>77</b>



**Table C2. 25: Oodi College of Applied Arts and Technology (OCAAT)  
Graduates by Programme – 2009-2015**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
Advanced Certificate ICT							31
Advanced Certificate in Multimedia							21
Certificate in Applied Laboratory Science							27
<b>Total</b>							<b>79</b>

**Table C2. 26: Palapye Technical College Graduates by Programme – 2009-2015**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
National Craft Certificate in Auto Mechanics							7
National Craft Certificate in Bricklaying & Plastering							16
National Craft Certificate in Carpentry & Joinery							13
National Craft Certificate in Electrical							16
National Craft Certificate in Instrumentation							10
National Craft Certificate in Maintenance Fitting							5
National Craft Certificate in Painting & Decorating							14
National Craft Certificate in Plumbing & Pipe Fitting							20
National Craft Certificate in Welding & Fabrication							6
National Craft Certificate in Business							8
Certificate in Accounting and Business Studies							4
BTEP (Electrical & Mechanical Engineering)							13
BTEP (Building Construction)							11
BTEP(Business)							28
<b>Total</b>							<b>171</b>

**Table C2. 27: Selebi-Phikwe Technical College Graduates by Programme – 2009-2015**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
BTEP in Building Construction							16
Botswana Technical Education Programme in Business							40
BTEP in Electrical & Mechanical Engineering							20
Botswana Technical Education Programme in ICT							23
Botswana Technical Education Programme in Textile							6
Certificate in Accounting and Business Studies							10
National Craft Certificate in Auto Electrical							8
National Craft Certificate in Auto Mechanics							9
National Craft Certificate in Electrical							2
National Craft Certificate in Maintenance Fitting							9
National Craft Certificate in Painting & Decorating							14
National Craft Certificate in Plumbing & Pipe Fitting							3
National Craft Certificate in Welding & Fabrication							1
<b>Total</b>							<b>161</b>



**Table C2. 28: Other Public Colleges (public) Graduates by Programme  
2009-2015**

COLLEGE	PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
DEFENCE STAFF AND COMMAND	Diploma in Defence & Strategic Studies			28		36	36	
	Masters in Defence & Strategic Studies			8				
	Diploma-Senior Command and Staff Program							47
	<b>TOTAL</b>			36		36	36	47
BOTSWANA WORLDLIFE TRAINING INSTITUTE	Certificate in Wildlife Management						44	27
	Certificate in Professional Tour Guide						18	21
	Diploma in Wildlife Management						22	21
							84	69
<b>TOTAL</b>				36	0	36	120	116

**Table C2. 29: University of Botswana Graduates by Programme – 2009-2015**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
Bachelor of Accountancy	107	106	119	109	119	116	126
Bachelor of Architecture	8	9	13	6	10	11	13
Bachelor of Arts (Chinese Studies)							8
Bachelor of Arts (Criminal Justice)				4	12	9	16
Bachelor of Arts (Economics)	15	8	16	15	19	20	20
Bachelor of Arts (English)	9	2	3	1	2	2	7
Bachelor of Arts (Environmental Science)	4	1	8	4	14	23	8
Bachelor of Arts (History)	1			1			
Bachelor of Arts (Humanities)	447	349	326	287	403	283	356
Bachelor of Arts (Library & Information Studies)		10	14	5	8	2	23
Bachelor of Arts (Media Studies)					25	22	18
Bachelor of Arts (Political Science)							1
Bachelor of Arts (Psychology)	7	6	7	4	3	9	
Bachelor of Arts (Public Administration)	4		5	7	10	4	1
Bachelor of Arts (Social Sciences)	203	206	227	154	211	225	221
Bachelor of Arts (Theology and Religious Studies)	6	3	6	3	0	0	1
Bachelor of Business Administration (Management)	77	76	94	79	73	106	76
Bachelor of Business Administration (Marketing)	48	47	32	67	62	67	60
Bachelor of Business Admin (Tourism & Hospitality Management)		13	19	12	11	26	23
Bachelor of Design (Design & Technology)	14	17	16	24	18	8	32
Bachelor of Design (Industrial Design)	4	15	6	14	5	10	4
Bachelor of Education (Adult)	49	44	24	14	30	53	57
Bachelor of Education (Business)				8	10	8	53
Bachelor of Education (Counselling)	0	45	31	47	60	58	94



**Table C2. 29 Cont'd**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
Bachelor of Education (Educational Management)	36	35	35	52	42	35	79
Bachelor of Education (Family & Consumer Sciences)	34	47	45	37	23	65	70
Bachelor of Education (Physical)	58	51	38	40	93	136	155
Bachelor of Education (Primary)	53	65	50	59	58	409	90
Bachelor of Education (Science)	71	25	41	35	52		42
Bachelor of Education (Secondary)	26	26	36	40	43	278	235
Bachelor of Education (Special)	62	80	40	36	28	109	158
Bachelor of Engineering (Civil )	20	26	12	20	19	24	28
Bachelor of Engineering (Construction & Engineering Management)	14	14	20	14	15		13
Bachelor of Engineering (Electrical & Electronic Engineering)	10	16	17	20	19	11	15
Bachelor of Engineering (Industrial Engineering)							9
Bachelor of Engineering (Mechanical Engineering)	17	12	29	21	12	16	12
Bachelor of Engineering (Mineral Engineering)							11
Bachelor of Finance	47	47	41	37	43	78	69
Bachelor of Fine Arts (Theatre Arts)						25	22
Bachelor of Geomatics				4	16	32	21
Bachelor of Information Systems (Business Information Systems)	15	33	25	23	21		34
Bachelor of Information Systems (Computer Information Systems)	16	18	7	6	9	7	3
Bachelor of Information Systems (Information Management)	19	17	19	12	6	17	34
Bachelor in Land Management					9	3	12
Bachelor of Laws	58	50	58		66	85	68
Bachelor of Library & Information Studies	34	31	33	23	19	45	95

Table C2.29 Cont'd.....

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
Bachelor of Laws	58	50	58		66	85	68
Bachelor of Library & Information Studies	34	31	33	23	19	45	95
Bachelor of Media Studies	27	21	24	37	34	29	17
Bachelor of Medicine/Surgery						31	47
Bachelor of Nursing Science	65	64	55	72	54	58	79
Bachelor of Science (Applied Geophysics)					6	6	7
Bachelor of Science (Biological Sciences)	18	19	17	20	25	19	14
Bachelor of Science (Chemistry)	8	6	4	7	3	2	2
Bachelor of Science (Computer Science)	24	20	4	9	12	18	28
Bachelor of Science (Computing with Finance)							15
Bachelor of Science (Environmental Health)	8	4	12	14	17		25
Bachelor of Science (Environmental Science)	20	20	12	10	8	30	4
Bachelor of Science (General)	33	24	46	36	41	36	29
Bachelor of Science (Geology)	29	18	18	12	28	25	19
Bachelor of Science (Information Technology)							11
Bachelor of Science (Mathematics)	2	9	2	8	4	7	4
Bachelor of Science (Medical Laboratory Sciences)		6	24	4	7		
Bachelor of Science (Physics)			4	3	4	1	3
Bachelor of Science (Physics with Meteorology)						2	8
Bachelor of Science (Radiation & Health Physics)						8	9
Bachelor of Science (Statistics)	3	2	2		2	7	4
Bachelor of Science (Urban & Regional Planning)	12	8	14	11	9	11	5
Bachelor of Urban & Regional Planning (MA Professional)					3		
Bachelor of Social Work	57	75	90		52	88	73



**Table C2.29 Cont'd.....**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
Certificate Programmes	79	64	122	30	12		
Diploma in Accounting & Business Studies	248	300	273	222	289	244	166
Diploma in Adult Education	22	24		16	5	43	37
Diploma in Archives and Records Management	31	16	11	22	27	25	11
Diploma in Building and Civil Engineering	35	30	33				
Diploma in Criminal Justice	16	17	17	20			
Diploma in Defence and Strategic Studies				19	26	23	21
Diploma in Electrical and Electronic Engineering	35	32	52				
Diploma in Geomatics	13	13	13				
Diploma in Land Management					5	17	7
Diploma in Law	41	43	29	14			
Diploma in Library & Information Studies		15	15	22	22	14	20
Diploma in Mechanical Engineering	52	37	57				
Diploma in Mineral Engineering							16
Diploma in Mining Engineering	14	22	23	23	25	22	15
Diploma in NGO Management			4	1	2	4	3
Diploma in Population Studies	23	29	13	16	15	6	3
Diploma in Social Work	22	30	32	35	22	15	
Diploma in Statistics	12	8	8	35	11	7	6
Diploma in Water and Environmental Engineering	12	5	27				
Diploma in Youth Development Work	2		2	1			
Master of Arts (African Languages & Literature)	4	1				1	4
Master of Arts (Archives & Records Management)	2	5	7	7	5	5	7
Master of Arts (Development Studies)	14	9	8	6	14	10	17

Table C2.29 Cont'd.....

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
Master of Arts (Economics)	11	8	10	15	5	12	18
Master of Arts (English)	5	4	4	1	3	3	2
Master of Arts (History)		1	2	1	1	1	
Master of Arts (Population Studies)	3	1	4	2	2	6	1
Master of Arts (Theology & Religious Studies)	4	2	1	1	1	2	3
Master of Arts (Statistics)	3	4	5	3	2	3	6
Master of Defence & Strategic Studies					3	6	5
Master of Development Practice					2	1	1
Master of Education (Adult Education)	7	4		5		7	5
Master of Education (Counselling & Human Services)	10	17	21	8	16	3	23
Master of Education (Curriculum & Instruction)	7	1	2	1	6	7	3
Master of Education (Educational leadership & Management)	10	14	3	3	3	8	9
Master of Education (Gender Education)	1		7	3	2	2	
Master of Education (Language Education)		1				1	3
Master of Education (Mathematics Education)			3	1	1	3	
Master of Education (Mathematics & Science Education)	2	4					9
Master of Education (Physical Education)	4	1	3		1		3
Master of Education (Primary Education)	3		1	2		1	2
Master of Education (Religious Education)		1	2				
Master of Education (Research & Evaluation)	7	9	4	8	8	6	15
Master of Education (Science Education)	1	2		2		1	
Master of Education (Social Studies)	2	4			1	1	
Master of Library & Information Studies	5	7		3	2	3	5



Table C2.29 Cont'd.....

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
Master of Medicine (internal Medicine)							1
Master of Medicine (Paediatrics & Adolescent health)							1
Master of Medicine (Public Health)							1
Master of Nursing (science)	2	3	2	10	3	10	7
Master of Politics & International Relations		2	2	10	18	7	6
Master of Project Management	1	4	4	5	4	1	3
Master of Public Administration (Environmental Resource & Management)	1	1		1			
Master of Public Administration (Local Government Management)				1		1	
Master of Public Administration (Human Resource Management)	15	20	29	24	21	19	27
Master of Public Administration (Public Financial Management)				2			
Master of Public Administration (Public Policy & Administration)	1	3	3		1	4	5
Master of Public Administration							7
Master of Science (Applied Microbiology)	1	3	2	1	1	1	1
Master of Science (Chemistry)	4	1	3	1			5
Master of Science (Civil Engineering)		1		2			
Master of Science (Computer Information Systems)		2		1	3	6	4
Master of Science (Computer Science)	1	1	1	1	1	4	2
Master of Science (Electrical & Electronic Engineering)	3	1	1		1	1	3
Master of Science (Environmental Science)	5	8	1	4	1	8	
Master of Science (Hydrogeology)	1	1	2	1		3	1
Master of Science (Mathematics)	3	1	7		2	2	6
Master of Science (Mechanical Engineering)		1			1		

Table C2.29 Cont'd.....

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
Master of Science (Physics)					2	2	
Master of Science (Physical Chemistry)						1	
Master of Social Work	6	11	5	10	4	6	10
Master of Laws	2		3		2	1	1
Master of Philosophy (African Languages)			1	3			
Master of Philosophy (Biological Sciences)	3	1	4		1		
Master of Philosophy (Chemistry)	1	1					
Master of Philosophy (Engineering)					1		
Master of Philosophy (Mathematics and Science)			4				
Master of Philosophy (Natural Resource Management)					1	4	5
PHD (African Language & Literature)				1			1
PHD (Applied Microbiology)		1					
PHD (Biological Science)						1	
PHD in Business (Marketing)							1
PHD in Chemistry			2		1	1	2
PHD in Counselling and Human Services				1			
PHD in Curriculum and Instruction		1					
PHD in Educational Management		1		1	1	3	
PHD in Educational Technology							2
PHD in English					1		
PHD (Engineering)					1	1	1
PHD (Environmental Science)	2				1	1	1
PHD (Food and Nutrition)							1
PHD in History		1					



**Table C2.29 Cont'd.....**

PROGRAMMES OFFERED	2009	2010	2011	2012	2013	2014	2015
PHD (Language Education)							1
PHD in Library and information Studies)	3		1				1
PHD Mechanical Engineering					1	1	
PHD Mathematics	2	1	2		1		2
PHD Natural Resource Management					2		2
PHD Physics	1				1	1	
PHD Physical Education							1
PHD Social Work							1
PHD Statistics					3		2
PHD (Research & Evaluation)		1	3			4	
Post Graduate Diploma in Education	160	120	68		199	169	290
Post Graduate Diploma in Statistics					1	1	
<b>GRAND TOTAL</b>	<b>2,914</b>	<b>2,874</b>	<b>2,850</b>	<b>2,244</b>	<b>2,837</b>	<b>3,600</b>	<b>3,791</b>

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## CONCLUSION

The following conclusions were drawn from the report:

- A total of 56,447 students were enrolled during 2015/16, a significant fall of 7% from 60,583 in 2014/15;
- 57.9 percent of TE students were females.
- Female students dominated across all programmes except in Science and Engineering programmes.
- A significant increase in enrolment for Engineering, Science and Technology programmes
- A noticeable increase in female participation at Technical colleges.
- The University of Botswana continued to register the largest student population during the period 2009/10 – 2015/16. However, there was a sharp fall in student enrolment from 18,176 in 2013/14 to 15,146 in 2015/16 and to the current 13,501 in 2015/16. In other words, in 2 years the enrolment reduced by 4,675, amounting to the entire enrolment of a college. The implications of this on the utilisation of infrastructure and costs of maintaining faculties are highly significant. It is also noteworthy that while there may well be a decline in the number of students who qualify for University entrance the reality is that the demand for university education has not by any measure reduced. These enrolment declines are thus structural and policy-driven whether intended or not.
- A fluctuating trend in private sector participation in the provision of tertiary education
- A total of 37, 384 students sat for Botswana General Certificate of Secondary Education in 2014 and only 14, 934 (40%) proceeded to enrol into tertiary institutions. The transition rate fell sharply from the previous year. Low but increasing enrolment for post graduate programmes (Master's Degree, Master of Philosophy and Doctor of Philosophy). Out of 56,447 students enrolled in 2015/16 only 2,529 (4.48%) enrolled for post graduate Degrees.
- Of the 2,529 post graduate enrolments, 133 were enrolled for a PhD and 92 or 69% of these were Botswana while 42 or 32% were female students; a significant increase for both local and female students.
- A low GTER which is well below the worldwide average of 30%, generally indicates a low degree of participation in Tertiary Education and has constantly remained below countries like South Africa and Mauritius.

# APPENDICES

## APPENDIX 1: Public TEIs Registered with BQA as at March 2016

CATEGORIES	PRIVATE INSTITUTIONS
<b>Private Universities</b>	<ol style="list-style-type: none"> <li>1. Ba Isago University</li> <li>2. Botho University</li> <li>3. Limkokwing University of Creative Technology</li> </ol>
<b>Other Private Institutions</b>	<ol style="list-style-type: none"> <li>4. ABM University College</li> <li>5. AFDA Botswana</li> <li>6. Assembly Bible College</li> <li>7. Arthur Portland College</li> <li>8. Boitekanelo College</li> <li>9. Bosa Bosele Training Institute</li> <li>10. Botswana Institute of Bankers</li> <li>11. DDT Medical School</li> <li>12. Flying Mission</li> <li>13. Gaborone Academy of Education</li> <li>14. Gaborone Institute of Professional Studies</li> <li>15. Gaborone Universal College of Law</li> <li>16. Imperial School of Business</li> <li>17. Kgolagano College of Theological Education</li> <li>18. MANCOSA</li> <li>19. Mega Size College</li> <li>20. New Era College of Arts &amp; Technology</li> </ol>
<b>PUBLIC INSTITUTIONS</b>	
<b>Public Universities</b>	<ol style="list-style-type: none"> <li>21. University of Botswana</li> <li>22. Botswana International University of Science and Technology</li> <li>23. Botswana University of Agriculture and Natural Science</li> </ol>
<b>Colleges of Education</b>	<ol style="list-style-type: none"> <li>24. Tlokweng College of Education</li> <li>25. Molepolole College of Education</li> <li>26. Serowe College of Education</li> <li>27. Tonota College of Education</li> <li>28. Francistown College of Education</li> </ol>
<b>Institute of Health Sciences</b>	<ol style="list-style-type: none"> <li>29. IHS - Lobatse</li> <li>30. IHS - Gaborone</li> <li>31. IHS - Molepolole</li> <li>32. IHS - Francistown</li> <li>33. IHS - Serowe</li> <li>34. Bamalete Lutheran School of Nursing</li> <li>35. Kanye SDA School of Nursing</li> </ol>
<b>Technical Colleges</b>	<ol style="list-style-type: none"> <li>36. Gaborone Technical College</li> <li>37. Botswana College of Engineering &amp; Technology</li> <li>38. Francistown College of Technical &amp; Vocational Education</li> <li>39. Oodi College of Applied Arts &amp; Sciences</li> <li>40. Maun Technical College</li> <li>41. Palapye Technical College</li> </ol>



	42. Selibe-Phikwe Technical College 43. Jwaneng Technical College
<b>Other Colleges</b>	44. Institute of Development Management 45. Defence Command & Staff College 46. BOCODOL 47. Botswana Accountancy College 48. Botswana Wildlife Training Institute

## APPENDIX 2: TRANSFORMING FROM ISCED 1997 TO ISCED 2011

ISCED 1997	ISCED 2011	ISCED 2011 - LEVELS
ISCED 0	ISCED 01	Early Childhood Care and Education
	ISCED 02	Pre-Primary Education
ISCED 1	ISCED 1	Primary Education
ISCED 2	ISCED 2	Lower Secondary Education
ISCED 3	ISCED 3	Upper Secondary Education
ISCED 4	ISCED 4	Post-Secondary Non-Tertiary Education
ISCED 5	ISCED 5	Short- Cycle Tertiary Education
	ISCED 6	Bachelor Degree or Equivalent
	ISCED 7	Master's Degree or Equivalent
ISCED 6	ISCED 8	Doctoral Degree or Equivalent

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## APPENDIX 3: ISCED 2011 BROAD GROUPS AND FIELDS OF EDUCATION:

### 0 General Programmes

#### 01 Basic programmes

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

#### 08 Literacy and numeracy

Simple and functional literacy, numeracy.

#### 09 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 pre-school, 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 television 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, archaeology, philosophy, ethics.

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### 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).



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## 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.

### 58 Architecture and building:

**Architecture and town planning:** structural architecture, landscape architecture, community planning, cartography;

**Building, construction;**

**Civil engineering.**

## 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, childcare, youth services, erotological services;

**Social work:** counselling, welfare not elsewhere classified (n.e.c.)

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## 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 firefighting, civil security; Military.

### **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 4: Technical Description of Indicators

Indicator	Definition	Purpose	Data Requirement/Needs
<b>Access Indicators</b>			
1. <b>Gross Intake Rate</b>	Total number of new entrants in the first year of tertiary education, regardless of their age, expressed as a percentage of the population aged 18 years.	To indicate the general level of access to tertiary education.	<ul style="list-style-type: none"> <li>New entrants in the first year of tertiary education (or enrolment minus repeaters in the first year of tertiary);</li> <li>Population of the official tertiary entrance age i.e. 18 years.</li> </ul>
2. <b>Net Intake Rate</b>	New entrants in the first year of tertiary education who are of the official tertiary education-entrance age (18 years), expressed as a percentage of the population of the same age (18 years).	To precisely measure access to first year of tertiary education by the eligible population of tertiary entrance age (18 years)	<ul style="list-style-type: none"> <li>New entrants in the first year of tertiary education aged 18 years</li> <li>Population of the official tertiary entrance age i.e. 18 years.</li> </ul>
3. <b>Transition Rate</b>	The number of upper secondary school students admitted to the first year of a higher level (tvét and tertiary) of education in a given year $t$ , expressed as a percentage of the number of students enrolled in the final grade of upper secondary education level in the previous year $t-1$ .	To convey information on the degree of access or transition from one cycle or level of education to a higher one in this case from upper secondary to tertiary education.	<ul style="list-style-type: none"> <li>Enrolment in the final grade of upper secondary education level for school year <math>t</math></li> <li>New entrants to (or enrolment minus repeaters) the first year of tertiary level of education for year <math>t+1</math>.</li> </ul>
<b>Coverage</b>			
1. <b>Age Specific Enrolment Rate</b>	Total number of a specific single age enrolled in a level of education, as a percentage of the population of the same age.	To show the extent of the educational participation of a specific ages.	<ul style="list-style-type: none"> <li>Enrolment by single years of age.</li> <li>Population of the corresponding age</li> </ul>



## APPENDIX 5: Technical Description of Indicators

Indicator	Definition	Purpose	Data Requirement/Needs
<b>Coverage cont'd</b>			
<b>2. Gross Enrolment Rate</b>	Total enrolment in a specific level of education, in this case tertiary education, regardless of age, expressed as a percentage of the eligible official school-age population (18-24 years) corresponding to the same level of education in a given school year.	To show the general level of participation in a given level of education, in this case tertiary education. It indicates the capacity of the education system to enrol students of a particular age group in this case 18-24 years.	<ul style="list-style-type: none"> <li>Total enrolment for a given level of education.</li> <li>Population of the age group corresponding to the specified level i.e. 18 -24 years.</li> </ul>
<b>3. Net Enrolment Rate</b>	Enrolment of the official age group for a given level of education expressed as a percentage of the corresponding population.  Age group 18-24 years.	To show the extent of coverage in a given level of education of youths belonging to the official age group corresponding to tertiary education in a given year $t$	<ul style="list-style-type: none"> <li>Enrolment by single years of age for a given level (tertiary) of education in a given year <math>t</math>.</li> <li>Population of the age group corresponding to the given level of education</li> <li>population aged 18-24 years in a given year <math>t</math></li> </ul>
<b>4. Promotion Rate</b>	Proportion of enrolment in the previous year ( $t$ ) promoted to the next year of study/level in the following school year ( $t+1$ )	To measure the performance of the education system in promoting students from year of study/level to level, and its effect on the internal efficiency of educational systems.	<ul style="list-style-type: none"> <li>Enrolment by year of study/level for school year <math>t</math></li> <li>Enrolment and number of repeaters by year of study/level for year <math>t+1</math>.</li> </ul>
<b>5. Repetition Rate</b>	Proportion of students from a cohort enrolled in a given years of study/level at a given school year $t$ , who study in the same level in the following school year $t+1$ .	To measure the rate at which students repeat a level.	<ul style="list-style-type: none"> <li>Enrolment by level for school year <math>t</math></li> <li>Number of repeaters from the by level for year <math>t+1</math>.</li> </ul>

## APPENDIX 5: Technical Description of Indicators (cont'd)

Indicator	Definition	Purpose	Data Requirement/Needed
<b>Coverage cont'd</b>			
6. Dropout Rate	Proportion of students in a cohort enrolled in a given level at a given school year (t) who are no longer enrolled in the following school year (t+1).	To measure the phenomenon of students leaving school without completion, and its effect on the internal efficiency of educational systems. In addition, it is one of the key indicators for analysing and projecting students' flows from level to level within the tertiary educational cycle.	<ul style="list-style-type: none"> <li>Enrolment by level for school year t</li> <li>Dropout by level for year t+1.</li> </ul>
7. Percentage of Female Teachers	The number of female teachers at a given level of education expressed as a percentage of the total number of teachers (male and female) at the same level in a given school year.	To show the gender composition of the teaching force. It helps also in assessing the need for opportunities and/or incentives to encourage both women and men to participate in teaching activities at a given level of education.	<ul style="list-style-type: none"> <li>Number of teachers by gender</li> </ul>
8. Percentage Distribution of Students in Tertiary Education by ISCED Level	Enrolment in tertiary education at each ISCED level as a percentage of total enrolment in tertiary education.	To show the distribution of tertiary students by ISCED levels. It also helps to understand the way in which degrees and qualification structures for tertiary education are organized within countries.	<ul style="list-style-type: none"> <li>Enrolment in tertiary education by ISCED level.</li> </ul>



## APPENDIX 5: Technical Description of Indicators (cont'd)

Indicator	Definition	Purpose	Data Requirement/Needed
<b>Coverage cont'd</b>			
9. Percentage of Female Student in each ISCED Level of Tertiary Education	Female enrolment in each tertiary education ISCED level as a percentage of total enrolment in the same ISCED level.	To assess gender disparity with regard to participation in different levels of tertiary education.	<ul style="list-style-type: none"> <li>Enrolment in tertiary education by ISCED level and by gender</li> </ul>
10. Percentage of Distribution of Students in Tertiary Education by ISCED Fields of Education.	Enrolment in each ISCED field of education at the tertiary level, expressed as a percentage of the total enrolment in tertiary education	To gauge the level of development of tertiary education in terms of the range of fields offered, the capacity in each field as well as student preferences, thus reflecting both the potential demand and supply of qualified human resources in different specializations.	<ul style="list-style-type: none"> <li>Enrolment in tertiary education by field of education.</li> </ul>
<b>Efficiency</b>			
1. Percentage Distribution of Graduates By ISCED Fields of Education at the Tertiary Level	The number of graduates from each ISCED field of education in tertiary education, expressed as a percentage of the total number of graduates in tertiary education	To show the distribution of tertiary graduates over different fields of education. It also reflects the development of tertiary education in terms of the range of fields offered as well as the supply of qualified human resources in different specializations.	<ul style="list-style-type: none"> <li>Graduates in tertiary education by field of education</li> </ul>
2. School Life Expectancy	The total number of years of schooling which a child of a certain age can expect to receive in the future, assuming that the probability of his or her being enrolled in school at any particular age is equal to the current enrolment ratio for that age.	To show the overall level of development of an educational system in terms of the average number of years of schooling that the education system offers to the eligible population.	<ul style="list-style-type: none"> <li>Enrolment by age and of age unknown at all levels of education;</li> <li>Population by single years of age;</li> <li><b>OR</b>, alternatively, the age-specific enrolment ratios for all levels of education.</li> </ul>