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MINISTRY OF HIGHER EDUCATION

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DEPARTMENT OF UNIVERSITY  
ACCREDITATIONS AND QUALITY



REPUBLIQUE DU CAMEROUN

Paix – Travail – Patrie

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MINISTERE DE L'ENSEIGNEMENT SUPERIEUR

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SECRETARIAT GENERAL

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DIRECTION DES ACCREDITATIONS  
UNIVERSITAIRES ET DE LA QUALITE

# MAPPING OF HIGHER EDUCATION DIPLOMAS IN CAMEROON

**VOLUME II:**  
**PROFESSIONALIZATION OF TEACHINGS IN CAMEROON STATE UNIVERSITIES**





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## List of acronyms and abbreviations

**AEP:** Project Analysis and Evaluation  
**ASTI:** School of Translators and Interpreters  
**Baccalaureate:** Baccalaureate  
**BTS :** Higher Technician Certificate  
**COLTECH:** College of Technology (UBa)  
**COT:** College of Technology (UB)  
**D:** Doctorate  
**DEAP:** Degree in Plastic Arts  
**DECA:** Degree in Cinema and Audiovisual  
**DEGC:** Diploma of General Business Studies  
**DEMC :** Degree in Musicology and Choreography  
**DEPA:** Diploma of Advanced Professional Studies  
**DET:** Degree in Theater  
**DESAP :** Higher Degree in Pastic Arts  
**DESC :** Diploma of Higher Commercial Studies  
**DESCA:** Higher Education Diploma in Film and Audiovisual  
**DESMC :** Higher Degree in Musicology and Choreography  
**DESA:** Higher Degree in Architecture  
**DESS :** Higher Degree in Museum Studies, Patrimony Management and Conservation  
**DEST:** Higher Degree in Theater  
**DIPCO:** Diploma of Guidance Counsellor  
**DIPEN:** Teacher's diploma in Teacher Training  
**DIPES:** Diploma of Secondary School Teacher  
**DIPET:** Diploma of Professor of Technical Education  
**DSCE:** Strategy Paper for Growth and Employment  
**DUT:** University Diploma of Technology  
**DTS:** Diploma of Higher Technician  
**EGCIM:** School of Chemical Engineering and Mineral Industries  
**EGEM:** School of Geology and Mining  
**EGRN:** Environment and Natural Resources Management  
**ENAHT:** National School of Hotels and Tourism  
**ENAP:** National School of Penitentiary Administration  
**ENS:** Ecole Normale Supérieure  
**ENSAI:** Ecole Nationale Supérieure des Sciences Agro-Industrielles  
**ENSET:** Ecole Normale Supérieure d'Enseignement Technique  
**ENSP:** Ecole Nationale Supérieure Polytechnique  
**ESMV:** School of Veterinary Science and Medicine  
**ESSEC:** Higher School of Economic and Commercial Sciences  
**SSE:** Social and Solidarity Economy

**FTEs:** Entrepreneurship  
**FAMV:** Faculty of Agriculture and Veterinary Medicine  
**FALSH:** Faculty of Arts, Humanities and Social Sciences  
**FASA:** Faculty of Agronomy and Agricultural Sciences  
**FET :** Faculty of Engineering and Technology  
**IGF:** Faculty of Industrial Engineering  
**FGMT:** Faculty of Mechanical Engineering and Industrial Technology  
**FHS :** Faculty of Health Sciences  
**FMSB:** Faculty of Medicine and Biomedical Sciences  
**FMSP:** Faculty of Medicine and Pharmaceutical Sciences  
**ESF :** Faculty of Education Sciences  
**FSJP:** Faculty of Legal and Political Sciences  
**FS:** Faculty of Science  
**EAGF:** Faculty of Economic Sciences and Applied Management  
**FSEG:** Faculty of Economic Sciences and Management  
**FSMS:** Faculty of Social and Management Sciences  
**GEC:** Management of Companies and Cooperatives  
**GCE:** General Certificate of Education  
**HICM :** Higher Institute of Commerce and Management  
**HND:** Higher National Diploma  
**HITL :** Higher Institute of Transport and Logistics  
**IBA:** Institute of Fine Arts  
**IES:** Higher Education Institution  
**IFORD:** Institut de Formation en Recherche Démographique  
**IMIP:** Institute of Mining and Petroleum Industries  
**INTS:** National Institute of Social Work  
**IPD-AC:** Pan-African Institute for Development in Central Africa  
**IPES:** Private Higher Education Institution  
**IUC:** Institut Universitaire de la Côte  
**IUT:** University Institute of Technology  
**ISH:** Institute of Fisheries Sciences  
**SSI:** Higher Institute of the Sahel  
**ISSS:** Institut Supérieur des Sciences de la Santé  
**L:** License  
**M:** Master's degree  
**MBA:** Master of Business Administration  
**MP:** Project Management  
**MPOM:** Professional Master's Degree in Organization and Management  
**MINESUP:** Ministry of Higher Education  
**PDIR:** Development Programming and Regional Integration  
**UB:** University of Buéa



**UBa** : University of Bamenda

**UCAC**: Catholic University of Central Africa

**UD**: University of Douala

**UDs**: University of Dschang

**UMa**: University of Maroua

**UN**: University of Ngaoundéré

**UPAC**: Protestant University of Central Africa

**UYI**: University of Yaoundé I

**UYII**: University of Yaoundé II

## Preface

The drafting of the Growth and Employment Strategy Paper (GESP), adopted in 2009, has enabled the Government to have a reference mechanism that paved the way to methodically and meticulously embark on the fight against poverty alleviation and thereby placing growth and employment creation, ipso facto, at the heart of its concerns. The implementation of the said mechanism has triggered the updating of all sector-based strategies, including that of education in a bid to giving it holistic visibility coupled with ascertained relevance in formulating and implementing the major policy guidelines of its activity sector.

It is in this light that the Higher Education sub-sector is reaffirming the Government's resolve to revisit its economic growth strategy by steering the dynamism of university reforms through the operational strategic main line of New University Governance prescribed by the President of the Republic, His Excellency Paul BIYA. This New University Governance compels us to head for the knowledge-based economy. As the Head of State recently affirmed in his message to the youth on 10 February 2016: «In Higher Education, the various stakeholders have been mobilized to progressively provide the job market with human resources that meet the new requirements»

The Department of University Accreditations and Quality (DAUQ), given its missions as provided for in Decree N° 2012/433 of 1 October 2012 to organize the Ministry of Higher Education, through its Comparative University Systems Unit (CSUC), has carried out an important study which is divided into two parts on The cartography of higher education certificates/diplomas awarded in Cameroon. It is a book whose interest is primarily to take a photograph of and present, with as much faithfulness and precision as possible, the certificates/diplomas awarded in universities and professional schools of Cameroon (Volume I) and, secondly, to analyze the basis of the current training offer in line with the activity sectors generating employment and by so doing implicitly unveil the need for greater diversification of training offer for a better blend between training and employment (Volume II, underway). As the most authorized voice said on 10 February 2016, «Enterprises are not seeking out for just graduates, but a labour force that is well trained in specific trades and that is constantly adapted to global trends. [...]

As we can see, The cartography of higher education certificates/ diplomas awarded in Cameroon will not only enable to substantially improve on the visibility and legibility of national university training offer but also to quantify the professional aptitudes of each institution with the advent of the paradigm of professionalization so dear to His Excellency Paul Biya, Head of State, who was still exhorting public or private training institutions [...] to fully play their role [notably to] identify the new trades and tailor their syllabuses accordingly. Also, he went on to make the following assertion: "The economic integration of youths is thus a constant concern. Our actions will continue with greater momentum", for the greatest wellbeing of our young graduates.

The Minister of Higher Education,  
**Prof. Jacques FAME NDONGO**

## Introduction

In the inexorable march towards the construction of the Cameroonian University of tomorrow that the Head of State wishes with all his heart and urges his main actors to contribute a little of his own, the Mapping of Diplomas in Higher Education, whose present volume is devoted to the inventory of diplomas awarded in Higher Education in Cameroon, must be seen not only as an information channel for the general public, but also and above all as an instrument to help control the present, in order to better envisage the future, in the spirit of greater effectiveness and efficiency, for the great happiness of graduates whose professional integration cannot remain a real challenge forever.

Indeed, how could one, within the Directorate of University Accreditations and Quality, undertake, *inter alia* and in accordance with the missions assigned to it, to compare national and foreign university systems; to design or update the file of equivalences of titles, diplomas and degrees granted by university institutions in the various spaces in research, teaching and curriculum content without a basic document from which any reflection can be serenely considered?

The main objective of this publication is to aggregate information on all degrees awarded in Cameroonian universities and grandes écoles. It updates, in a way, from a precise angle of view, the Guide to Higher Education in Cameroon that the Ministry published in 2010.

Is the interest of such a work still to be demonstrated when we know the multifunctional use that both can make of it? By way of illustration, what could be its aura with the National Observatory of the Professions of Graduates of Higher Education (OMDES) created by Order of the Prime Minister dated 27 June 2013 and responsible for the dynamic and prospective management of the professionalization of university training on the basis of an assessment of its adequacy with changes in the socio-professional environment and the job market for graduates of higher education?

Since it is above all an informative document with a plural purpose, the preferred approach has been to collect information directly from the institutions concerned, thanks to the various missions carried out. This basic approach was complemented by digital and/or analog documentary research. It is important to note that data from private higher education institutions have been voluntarily withheld as part of this work, as well as the related information recently published by the Ministry, under the title *Répertoire des Institutions Privées d'Enseignement Supérieur au Cameroun* (2014 edition).

The Mapping of Diplomas in Higher Education in Cameroon is structured in five chapters. The first chapter presents the training offer in the State Universities grouped by major scientific fields. The second chapter shows the types of degrees awarded in State Universities, according to the main areas previously identified. The third chapter does not include training in large schools other than those attached to state universities, while the fourth chapter deals with the same subject but in a different field, that of transnational institutions. The fifth chapter summarizes the data presented above to show the level of professionalization in traditional faculties.





# Part 1:

Overview of diplomas awarded in  
Cameroonian higher education



## Professionalization in Cameroonian higher education

Higher education is of crucial importance in modern societies, insofar as it is considered to perform many functions: training for citizenship, a factor of social promotion, a vector of social justice and national cohesion, a driving force for economic growth, etc. In this respect, it should be stressed that the University's missions have always been to produce knowledge through research, aggregation and transmission of this knowledge, in order to prepare learners for professional life. In line with this idea, the State of Cameroon assigns to higher education "a fundamental mission of production, organization and dissemination of scientific, cultural, professional and ethical knowledge for the development of the nation and the progress of humanity"<sup>1</sup>.

It is on the strength of these missions that professionalization was integrated very early in Cameroon's higher education policy. In the aftermath of independence, the aim was to form an elite capable of playing an important role in the establishment of the "young State" and to provide for staff needs in the new administrations and in the main sectors of national life and activity. This has resulted in the creation of several training schools and their connection to state universities. The ambition of professionalization in Cameroonian higher education has been strengthened over time, particularly with the adoption of the 2001 Orientation Law, as well as following the Libreville Declaration in 2005 establishing a CEMAC area for higher education, research and vocational training.

The purpose of this chapter is twofold: first, to highlight the challenges of professionalization in Cameroonian higher education and, second, to assess the progress made in this area.

### Section 1.

#### ***The challenges of professionalization in higher education in Cameroon***

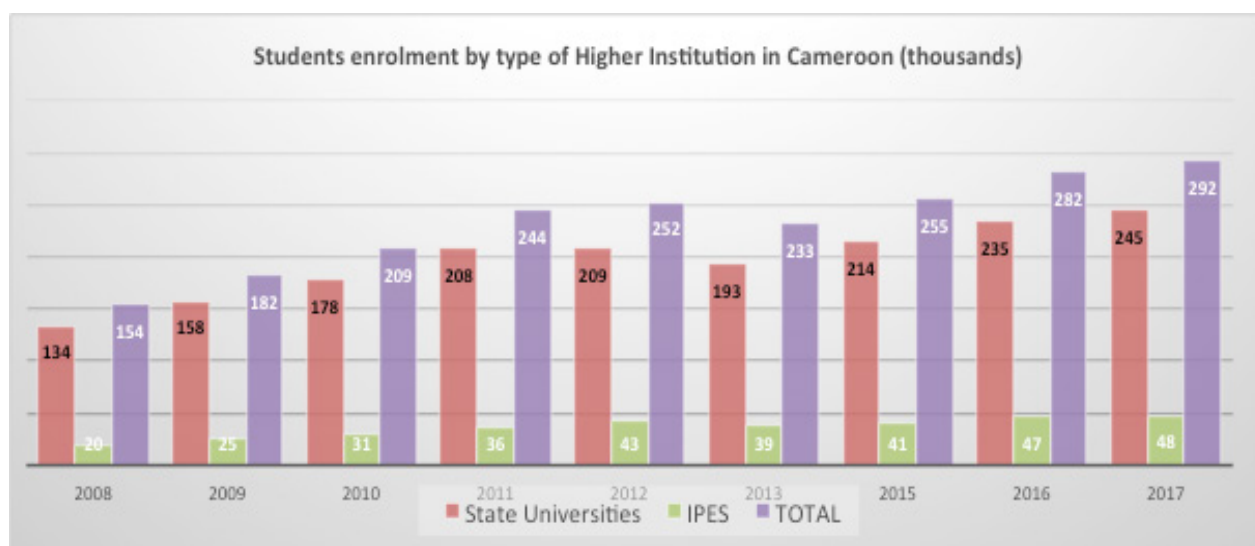
The need for professionalization in higher education is generally based on several arguments, including those related to "democratization" and the massification of access to university studies on the one hand, and on the other hand, on unemployment among higher education graduates, which seems to be the corollary.

With regard to the massification of enrolment in higher education, it is obvious that the mere fact of welcoming an ever-increasing proportion of young people should encourage the Cameroonian university to consider, mechanically in a way, the capacity of these young people to enter the labour market in the future.

In this regard, it should be noted that student enrolment in higher education in Cameroon has almost doubled in less than ten years, reaching about 300,000 in 2016-2017. This increase is linked to an increase in enrolment in both state universities and private institutes of higher education (IPES). Indeed, while the overall increase is 3.67% over one year (+10,361 registrations), the average increase between 2008 and 2017 is 8.10% for State Universities and 12.08% for IPES.

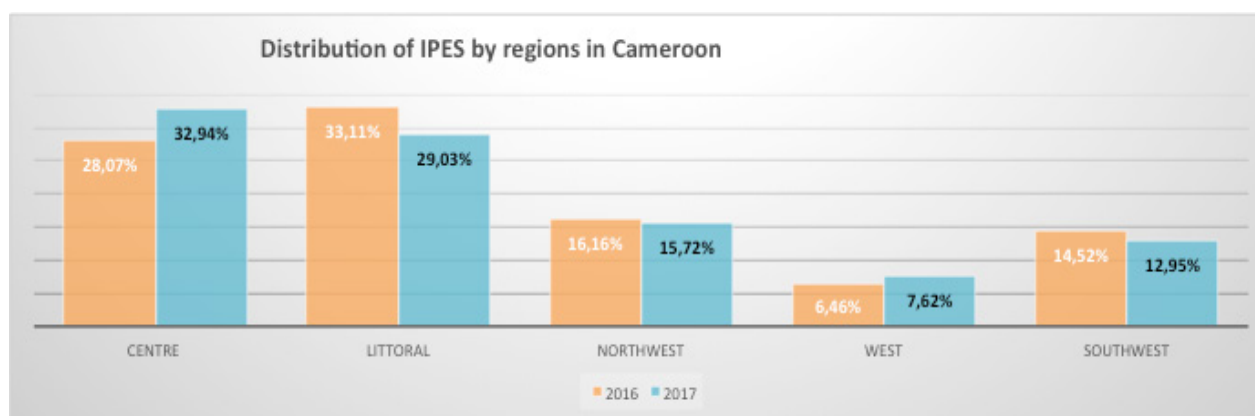
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<sup>1</sup> Read Art. 2 of Law No. 2001/005 of 16 April 2001 on the orientation of higher education in Cameroon.



Source: INS (2015), MINESUP (2018).

Between 2015 and 2017, enrolment in state universities increased overall by just over 14% and this was more pronounced in the universities of Maroua (74.74%), Bamenda (41.35%) and, to some extent, Douala (21.37%). The fact that IPES has seen an increase in its workforce over the past ten years reflects the high propensity of graduates to choose short courses. In this respect, it should be noted that there is a high concentration of these establishments in the Littoral (33.11% in 2016), Central (28.07%), Northwest (16.16%) and Southwest (14.52%) regions.

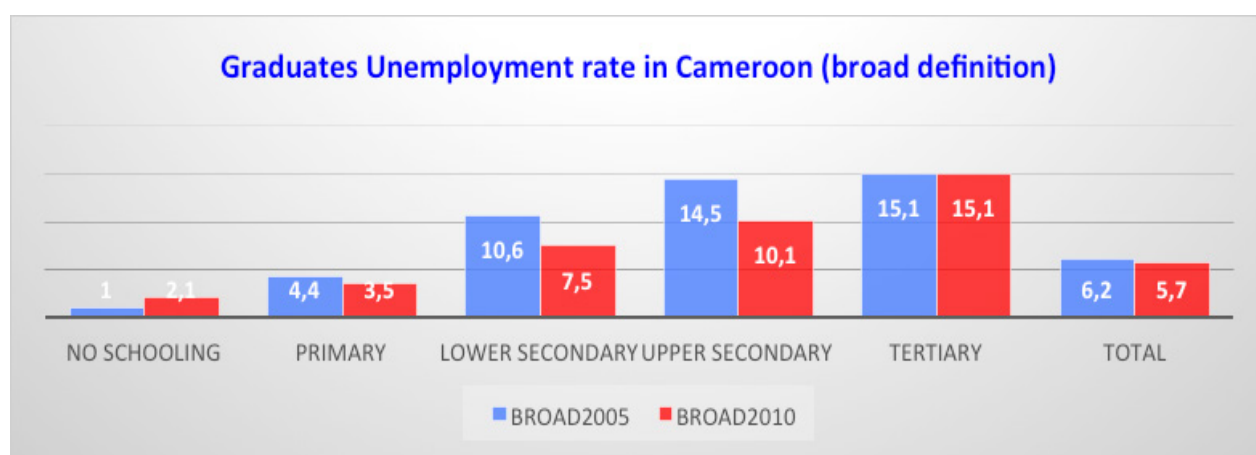
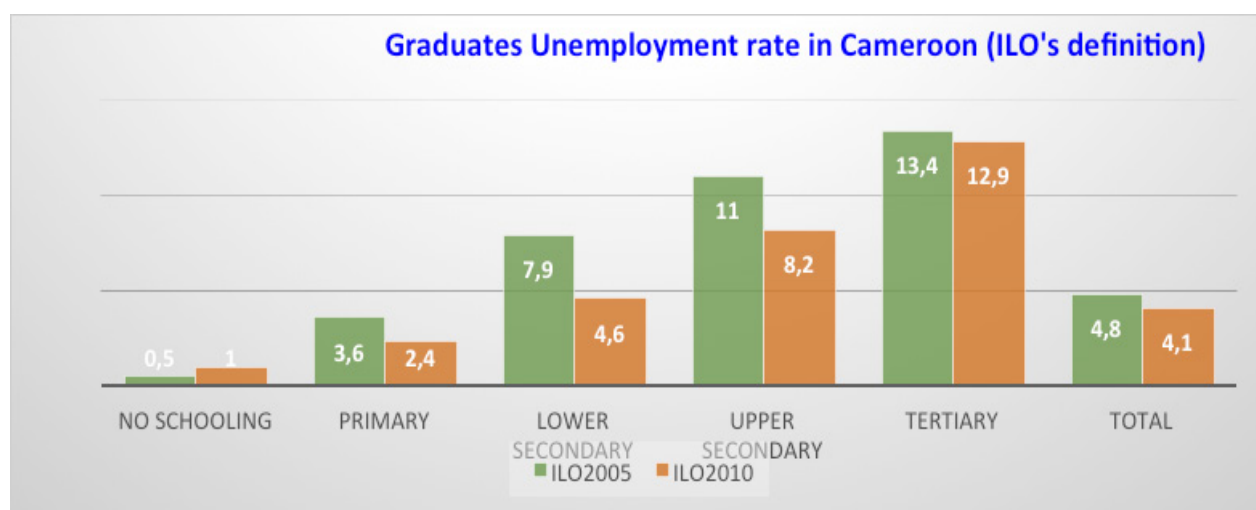


Source: MINESUP (2018).

The expansion of higher education across the country in recent years has resulted in an increase in the number of higher education graduates and, consequently, in increased Competitive Entrance Examination on labour markets. Given the context of a sharp contraction in economic activity in Cameroon and neighbouring countries, it should be expected that many of these higher education graduates will have difficulty finding employment commensurate with their knowledge and skills.

According to the National Institute of Statistics (INS), young people between the ages of 15 and 34 accounted for 65.1% of the working-age population (15-64 years). In this group of the population heavily affected by unemployment, higher education graduates are in a good position. Indeed, while the 1887 General Census of the Housing Population (RGPH) indicated that the unemployment rate for young university graduates had risen from 1.5% in 1983 to 9.4% in 1987, the INS 1-2-3 surveys estimated it at around 31% in 1993.

More recently, the Employment and Informal Sector Surveys (EESI) conducted by the INS estimate that, for young university graduates, their unemployment rate in the ILO sense (respectively in the extended sense) stabilized at around an average of 13% (respectively around 15%) between 2005 and 2010 (see figures below). These statistics therefore mean that in Cameroon, about one in ten university graduates is unemployed. This situation is at the root of the precariousness of jobs, particularly among young graduates. In 2010, the INS estimates that the vulnerability rate of jobs held by these young people is around 75% for 15-24 year-olds and 69% for 15-34 year-olds.



with the requirements of the business world. Such a requirement justifies the implementation of a professionalization policy in Cameroonian higher education. Section 2 of this chapter aims to assess progress in this area.

## Section 2.

### ***State of play of professionalization in higher education in Cameroon***

While professionalization is one of the markers of the reforms undertaken in recent years in Cameroonian higher education, it is not in itself new. Indeed, as soon as the Federal University of Cameroon is established, a number of institutions will be set up to train future medical practitioners, as well as technicians and engineers.

#### **2.1. Professionalization in Arts, Letters and Humanities**

The field of Arts, Letters and Humanities offers a number of specialties where academic

paths represent almost 80% both at the Bachelor and Master level (see table below). These courses can be grouped into sub-fields, namely: Humanities, Social Sciences, Languages and Foreign Cultures, and Information and Communication.

**Table 1: Professionalization in Arts, Letters and Humanities**

<b>Certificate</b>	<b>UBa</b>	<b>UB</b>	<b>UDo</b>	<b>UDs</b>	<b>UMa</b>	<b>UNg</b>	<b>UYI</b>	<b>UYII</b>	<b>Total</b>
Bachelor Degree	15	20	21	13	12	5	59	0	<b>145</b>
Professional Bachelor Degree	0	1	7	15	4	0	2	0	<b>29</b>
Master Degree	17	15	23	19	12	9	54	0	<b>149</b>
Professional Master Degree	0	2	15	9	3	1	9	0	<b>39</b>
<b>Total</b>	<b>32</b>	<b>38</b>	<b>66</b>	<b>56</b>	<b>31</b>	<b>15</b>	<b>124</b>	<b>0</b>	<b>362</b>

While the "Information and Communication" sub-field offers some courses in Journalism and Communication (social or mass, political and organizational), the "Humanities" sub-domain offers various academic paths for bachelor and master degrees, notably in Anthropology (07 paths), History and Archaeology (10 paths), Arts (08 paths) and Philosophy (09 paths).

The "Social Sciences" sub-field offers around sixty paths both for bachelor and master degrees (amongst which about ten are professional), divided into Geography (15 paths), Educational Sciences (25 paths), Psychology (09 paths), Sociology (12 paths) and Tourism and Hotels (02 paths).

Finally, the sub-field of "Foreign Languages and Cultures", it offers more than fifty paths dealing with:

- ✓ Language, literature and modern letters (French, English, British, American and Commonwealth);
- ✓ African and Negro-African languages, literature and linguistics (general and/or applied);
- ✓ Literature and civilization (Germanic, Spanish and Iberian, Arabic, Chinese);
- ✓ Bilingual and/or trilingual letters (French, English, Spanish, Italian, German).

## 2.2. Professionalization in Science and Technology

The "Science and Technology" training field is found in seven among eight of Cameroon's state universities. It is hosted by the Faculties of Science (FS), University Institutes of Technology (IUT), National Polytechnic Schools or Faculties of Industrial Engineering (FGI), and many other technological and professional institutions.

This field offers a set of training paths which is balanced between the bachelor and master levels, enabling the existence of a continuum between these levels. The main sub-fields here are: Biochemistry, Biological Sciences, Chemistry, Geology, Mining and Environmental Science, Mathematics and Computer Science, Physics, Geosciences and Environment, Biomedical Sciences, Microbiology and Parasitology. As far as representativeness is concerned, the table below shows that professional paths represent only 26.61% for bachelor degrees and about 30% for master degrees. However, one need to acknowledge the fact that greater efforts have been devoted to develop professional paths at the master level compared to the bachelor level. In this sense, one can emphasize

the cases of Applied Geology, Mining and Petroleum (11 paths), Chemistry (02 paths), Biochemistry (02 paths), Biochemistry (02 paths).

**Table 2: Professionalization in Science and Technology**

Certificate	UBa	UB	UDo	UDs	UMa	UNg	UYI	UYII	Total
Bachelor Degree	15	11	18	16	9	12	10	0	91
Professional Bachelor Degree	1	0	12	10	8	0	2	0	33
Master Degree	5	9	49	16	24	22	16	0	141
Professional Master Degree	15	0	22	9	1	3	14	0	64
<b>Total</b>	<b>36</b>	<b>20</b>	<b>101</b>	<b>51</b>	<b>42</b>	<b>37</b>	<b>42</b>	<b>0</b>	<b>329</b>

### 2.3. Professionalization in Economics and Management Sciences

The “Economics and Management Sciences” (EMS) field offers a diversified range of training courses within the sub-fields of Economics and Management, in terms of academic and professional paths, both at the bachelor and master levels. According to the table below, this field offers a high rate of professional paths, that is around 60% are Professional Bachelors and almost 55% are Professional Masters. The most common professional paths one can find in any faculty of economics and management are: Actuarial, Corporate Administration, Project Analysis and Evaluation, Accounting, Audit and Control, Finance and Investment, Financial and Banking Management, Marketing, Trade and Sale

**Table 3: Professionalization in Economics and Management Sciences**

Certificate	UBa	UB	UDo	UDs	UMa	UNg	UYI	UYII	Total
Bachelor Degree	3	4	12	5	2	3	0	5	34
Professional Bachelor Degree	5	28	5	2	3	4	0	4	51
Master Degree	3	0	18	4	2	7	0	10	44
Professional Master Degree	5	16	13	5	0	5	0	11	55
<b>Total</b>	<b>16</b>	<b>48</b>	<b>48</b>	<b>16</b>	<b>7</b>	<b>19</b>	<b>0</b>	<b>30</b>	<b>184</b>

### 2.4. Professionalization in Law and Political Sciences

The field of “Law and Political Sciences” (LPS) field offers a diversified range of training courses through its four main sub-field, namely: Private Law, Public Law, Political Science and English Law. Here again, one can acknowledge the existence of a high rate of professional paths, that is around 68% are Professional Bachelors and more than 56% are Professional Masters. Moreover, the scope of professionalization within the field of Law and Political Sciences covers, in addition, many other paths known as “Law and legal expertise professions”. Among these and to name few one can mention: Business Lawyers; Judicial Careers; Administrative and Political Careers; Finance and Taxation; Administration of Elections; Parliamentary, Local and Consular Assistant; Public Procurement; Judicial Career and Administrative Executives; Framework of Decentralised Territorial Communities; Transport and Customs Clearance Procedures.

**Table 4: Professionalization in Law and Political Sciences**

Certificate	UBa	UB	UDo	UDs	UMa	UNg	UYI	UYII	Total
Bachelor Degree	4	0	4	4	2	2	0	4	20



Professional Bachelor Degree	0	0	10	1	0	4	0	27	<b>42</b>
Master Degree	11	0	10	6	4	5	0	4	<b>40</b>
Professional Master Degree	2	0	13	5	3	0	0	29	<b>52</b>
<b>Total</b>	<b>17</b>	<b>0</b>	<b>37</b>	<b>16</b>	<b>9</b>	<b>11</b>	<b>0</b>	<b>64</b>	<b>154</b>

## 2.5. Professionalization in Health Sciences+

Since the 1993 reform that led to the creation of new academic institutions, the public sector of higher education in Cameroon has recorded the creation of four other institutions in the field of "Health Sciences". These include the creation in 2006 and 2017 of the Faculties of Medicine and Pharmaceutical Sciences respectively for the Universities of Douala and Dschang, the creation in 2010 of the Faculty of Health Science within the University of Bamenda and, more recently, the creation in 2018 of the Faculty of Medicine and Biomedical Sciences within the University of N'Gaoundéré. In addition to these public institutions, a number of private institutions were also allowed to operate within the field of Health Sciences, namely the Higher Institute of Health Sciences (ISSS) of BANGANTE, the Higher Institute of Medical Technology (ISTM) of NKOLONDON-YAOUNDE, as well as the School of Health and Medical Sciences (CATUC) in KUMBO. While the creation of these new institutions has made it possible to increase the density of the national university card, it has above all made it possible to diversify the training offer in the Health Sciences, especially in the sub-fields of Medicine and Pharmacy.


**Table 5: Professionalization in Health Sciences**

Certificate	UBa	UB	UDo	UDs	UMa	UNg	UYI	UYII	Total
Bachelor Degree	4	4	0	0	0	0	0	0	<b>8</b>
Professional Bachelor Degree	0	0	0	0	0	0	6	0	<b>6</b>
Master Degree	4	6	0	0	0	0	18	0	<b>28</b>
Professional Master Degree	0	0	6	0	0	0	0	0	<b>6</b>
<b>Total</b>	<b>8</b>	<b>10</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>48</b>

## 2.6. Professionalization in Agronomy, Agricultural and Fisheries Sciences

In addition to the field presented above, it should be noted that the scope of the professionalization has also been extended to areas such as agricultural and fisheries sciences, which is mainly hosted by three institutions. First, the Faculty of Agronomy and Agricultural Sciences (FASA) of the University of Dschang. This institution offers various training courses in Agronomy (animal husbandry, agriculture, rural engineering, rural economics and sociology), Forestry (forestry, wildlife, hunting), and Woodworks, water and environmental professions (wood industry, aquaculture, environment).

Secondly, we have the Institute of Fisheries Sciences (ISH) of the University of Douala. The ISH is interested in production in continental water, brackish water or marine environments. To date, this institution offers essentially professional paths in the following sub-fields: Aquaculture (animal and plant production), Aquatic ecosystem management (sustainable management of resources and ecosystems), fisheries management (stock



assessment, catch control, for responsible and sustainable fishing), oceanography (assessment of water and seabed quality), processing and quality control of fishery products.

Thirdly, we have the Faculty of Agriculture and Veterinary Medicine (FAVM) of the University of Buea, which is responsible for training highly qualified and competent graduates capable not only of sustainably exploiting the national agricultural potential to produce safe and quality food, but also of developing renewable energy sources (biofuels). The FAVM trains in the following sub-fields: Agricultural Economics and Agribusiness; Agricultural Extension and Rural Development; Agronomic and Applied Molecular Sciences; Animal Science; Food Science and Technology; Forestry and Wildlife ; Veterinary Medicine.



# Part 2:

Detailed presentation of diplomas  
awarded in Cameroonian higher  
education



## CHAPTER 1:

### University of BAMENDA

The University of BAMENDA is a multidisciplinary university and in this sense, it offers courses in Arts, Humanities, Health Sciences, Science and Technology, Legal and Political Sciences, as well as Economics and Management. Table 1.1 shows that this institution has six (06) traditional faculties and six (06) technological and vocational institutions.

**Table 1.1: Distribution of DU institutions by training area**

Areas of Training	Faculties	Schools
Arts, Letters, Human and Social Sciences (ALHS)	FA, FE	HTTC
Health Sciences (HS)	FHS	
Science and Technology (ST)	FS	COLTECH, HTTTC, NAHPI, HITL
Law and Political Sciences (LPS)	FEMS	HICM
Economics and Management Sciences (EMS)	FLPS	

The training paths of the institutions of the University of Bamenda indicates a strong preponderance of diplomas in the Science and Technology sector (52.60%) compared to other fields. This high representativeness is mainly due to the diversity of the courses offered by HTTC of KUMBA, which offers almost 32% of the specialities of this field of study at UBa. Looking at the scope of professionalization within classical faculties, it appears that Professional Bachelor degrees and Professional Master's degrees represent respectively only 12% and 25% of the degrees issued by these institutions

**Table 1.2: Distribution of certificates issued by training field at UBa.**

Nom du Diplôme	ALHS	HS	ST	EMS	LPS	Total
University Diploma of Technology (UDT)	0	0	4	0	0	4
Higher National Diploma (HND)	0	0	9	0	0	9
Academic Bachelor Degree	15	4	15	3	4	41
Professional Bachelor Degree	0	0	1	5	0	6
Technology Bachelor Degree	0	0	22	0	0	22
Engineering Bachelor Degree	0	0	5	0	0	5
Secondary School Teacher's Certificate Grade 1 (DIPES I)	10	0	0	0	0	10
Secondary School Teacher's Certificate Grade 2 (DIPES II)	12	0	0	0	0	12
Technical School Teacher's Certificate Grade 1 (DIPET I)	0	0	21	0	0	21
Technical School Teacher's Certificate Grade 2 (DIPET II)	0	0	24	0	0	24
Guidance Counsellor's Diploma (DIPCO)	1	0	0	0	0	1
Teacher Training College Tutor's Postgraduate Diploma (DIPEN)	1	0	0	0	0	1
Academic Master Degree	17	4	5	3	11	40
Professional Master Degree	0	0	15	5	2	22
PhD	8	1	0	0	3	12
<b>Total</b>	<b>54</b>	<b>9</b>	<b>121</b>	<b>16</b>	<b>20</b>	<b>230</b>

## Section 1: Certificates issued by Classical Faculties

### 1.A. Arts, Humanities and Social Sciences

#### 1.A.1. Bachelor degree in Arts, Letters, Human, and Social Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: BAC or GCE
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: File study

##### Major: English

Area of specialization	➤ English
	➤ Literature in English

##### Major: History and Archaeology

Area of specialization	➤ History and Archaeology
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##### Major: Linguistics and African Languages

Area of specialization	➤ Linguistics and African Languages
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##### Major: Theatre, Television and Film Studies

Area of specialization	➤ Theatre, Television and Film Studies
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##### Major: Fine Arts

Area of specialization	➤ Fine Arts
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##### Major: Philosophy

Area of specialization	➤ Philosophy
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##### Major: Communication and Development

Area of specialization	➤ Communication and Development
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##### Major: Geography

Area of specialization	➤ Geography
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##### Major: Educational Psychology

Area of specialization	➤ Educational Psychology
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##### Major: Curriculum and Pedagogy

Area of specialization	➤ Curriculum & Pedagogy
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##### Major: Education Leadership

Area of specialization	➤ Education Leadership
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##### Major: Physical Education

Area of specialization	➤ Physical Education
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##### Major: Animation

Area of specialization	➤ Animation
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##### Major: Teacher Education

Area of specialization	➤ Teacher Education
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#### 1.A.2. Master degree in Arts, Letters, Human, and Social Sciences

- ✓ Training duration: 4 semesters
- ✓ Required Diploma / Certificate : Bachelor of Arts
- ✓ Issued Diploma / Certificate : Baccalaureate +5
- ✓ Access mode: File study

### Major: English

Area of specialization	➤ English
	➤ Literature in English

### Major: History and Archaeology

Area of specialization	➤ History and Archaeology
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### Major: Applied Linguistics

Area of specialization	➤ Applied Linguistics
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### Major: Theatre, Television and Film Studies

Area of specialization	➤ Theatre, Television and Film Studies
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### Major: Geography

Area of specialization	➤ Geography
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### Major: Measurement and Evaluation

Area of specialization	➤ Measurement and Evaluation
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### Major: Subject Didactics

Area of specialization	➤ Subject Didactics
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### Major: Health Psychology

Area of specialization	➤ Health Psychology
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### Major: Industrial and Organisational Psychology

Area of specialization	➤ Industrial & Organisational Psychology
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### Major: Applied Education Psychology

Area of specialization	➤ Applied Education Psychology
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### Major: Applied Education Psychology

Area of specialization	➤ Applied Education Psychology
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### Major: Curriculum and Planning

Area of specialization	➤ Curriculum and Planning
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### Major: Pedagogy

Area of specialization	➤ Pedagogy
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### Major: Teacher Education

Area of specialization	➤ Teacher Education
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### Major: Environmental Education

Area of specialization	➤ Environmental Education
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### Major: Clinical Counselling

Area of specialization	➤ Clinical Counselling
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### Major: Physical Education

Area of specialization	➤ Physical Education
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## 1.A.3. PhD degree in Arts, Letters, Human, and Social Sciences

- ✓ **Training duration:** 6 semesters
- ✓ **Required Diploma / Certificate :** Master of Arts  
**Issued Diploma / Certificate :** Baccalaureate +8
- ✓ **Access mode:** File study

### Major: English

Area of specialization	➤ English
	➤ Literature in English



### Major: Geography

Area of specialization	➤ Geography
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### Major: History and Archaeology

Area of specialization	➤ History and Archaeology
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### Major: Applied Linguistics

Area of specialization	➤ Applied Linguistics
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### Major: Physical Education

Area of specialization	➤ Physical Education
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### Major: Educational Leadership

Area of specialization	➤ Educational Leadership
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### Major: Community Psychology

Area of specialization	➤ Community Psychology
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### Major: Applied development Psychology

Area of specialization	➤ Applied development Psychology
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## 1.B. Health Sciences

### 1.B.1. Bachelor degree in Health Sciences

- ✓ **Training duration:** 8 semesters
- ✓ **Required Diploma / Certificate :** Baccalaureate or GCE A/L
- ✓ **Issued Diploma / Certificate :** Baccalaureate +4
- ✓ **Access mode:** Competitive entrance examination

#### Major: Nursing and Midwifery Sciences

Area of specialization	➤ Nursing Sciences
	➤ Midwifery Sciences

#### Major: Medical Laboratory Sciences

Area of specialization	➤ Medical Laboratory Sciences
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#### Major: Food Science and Nutrition

Area of specialization	➤ Food Science and Nutrition
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### 1.B.2. Master degree in Health Sciences

- ✓ **Training duration:** 4 semesters
- ✓ **Required Diploma / Certificate :** Bachelor of Science
- ✓ **Issued Diploma / Certificate :** Baccalaureate +5
- ✓ **Access mode:** File study

#### Major: Nursing and Midwifery Sciences

Area of specialization	➤ Nursing education
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#### Major: Medical Laboratory Sciences

Area of specialization	➤ Medical Microbiology and Parasitology
	➤ Chemical Pathology

#### Major: Public Health and Hygiene

Area of specialization	➤ Public Health
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### 1.B.3. PhD degree in Health Sciences

- ✓ **Training duration:** 14 semesters
- ✓ **Required Diploma / Certificate :** Baccalaureate or GCE A/L
- ✓ **Issued Diploma / Certificate :** Baccalaureate +7
- ✓ **Access mode:** Competitive entrance examination

#### Major: General Medicine

Area of specialization	➤ General Medicine
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### 1.C. Science and technology

#### 1.C.1. Bachelor degree in Science and Technology

- ✓ Training duration: 6 semesters
- ✓ Required Diploma / Certificate : Baccalaureate or GCE A/L or Equivalent
- ✓ Issued Diploma / Certificate : Baccalaureate +3
- ✓ Access mode: File study

#### Major: Biochemistry

Area of specialization	➤ Biochemistry
	➤ Botany
	➤ Zoology
	➤ Medical Laboratory

#### Major: Biological Sciences

Area of specialization	➤ Animal Science
	➤ Plant Science
	➤ Medical Laboratory Science

#### Major: Chemistry

Area of specialization	➤ Industrial Chemistry
	➤ Material Science
	➤ Pharmaceutical Chemistry

#### Major: Geology, Mining and Environmental Science

Area of specialization	➤ Geology
	➤ Environmental Science
	➤ Botany

#### Major: Mathematics and Computer Sciences

Area of specialization	➤ Mathematics and Computer Sciences
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#### Major: Physics

Area of specialization	➤ Physics
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#### 1.C.2. Professional Bachelor degree in Science and Technology

- ✓ 4 semesters
- ✓ **Required Diploma / Certificate :** Bachelor of Science
- ✓ **Issued Diploma / Certificate :** Baccalaureate +5
- ✓ **Access mode:** File study

#### Major: Biodiversity Conservation and Management

Area of specialization	➤ Biodiversity Conservation and Management
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## 1.D. Economics and Management Sciences

### 1.D.1. Bachelor degree in Economics and management sciences

- ✓ Training duration: 6 semesters
- ✓ **Required Diploma / Certificate** : Baccalaureate or GCE A/L or Equivalent
- ✓ **Issued Diploma / Certificate** : Baccalaureate +3
- ✓ **Access mode**: File study

#### Major: Accounting

Area of specialization	➤ Accounting
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#### Major: Economics

Area of specialization	➤ Economics
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#### Major: Management

Area of specialization	➤ Management
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### 1.D.2. Professional Bachelor degree in Economics and management sciences

- ✓ Training duration: 6 semesters
- ✓ Required Diploma / Certificate : Baccalaureate or GCE A/L or Equivalent
- ✓ Issued Diploma / Certificate : Baccalaureate +3
- ✓ Access mode: Competitive entrance examination

#### Major: Accounting and Finance

Area of specialization	➤ Accounting and Finance
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#### Major: Insurance

Area of specialization	➤ Insurance
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#### Major: Management

Area of specialization	➤ Management
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#### Major: Marketing

Area of specialization	➤ Marketing
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#### Major: Money and Banking

Area of specialization	➤ Money and Banking
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### 1.D.3. Master degree in Economics and management sciences

- ✓ **Training duration**: 4 semesters
- ✓ **Required Diploma / Certificate** : Bachelor of Science
- ✓ **Issued Diploma / Certificate** : Baccalaureate +5
- ✓ **Access mode**: File study

#### Major: Accounting

Area of specialization	➤ Accounting
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#### Major: Economics

Area of specialization	➤ Economics
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#### Major: Management

Area of specialization	➤ Management
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#### 1.D.4. Professional Master degree in Economics and management sciences

- ✓ Training duration: 4 semesters
- ✓ Required Diploma / Certificate : Bachelor of Science
- ✓ Issued Diploma / Certificate : Baccalaureate +5
- ✓ Access mode: Competitive entrance examination

##### Major: Management

Area of specialization	➤ Business Administration
	➤ Management

##### Major: Accounting and Finance

Area of specialization	➤ Accounting and Finance
	➤ Quantitative Finance

##### Major: Economics

Area of specialization	➤ Finance and Investment
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#### 1.E. Law and Political Sciences

##### 1.E.1. Bachelor degree in Law and political Sciences

- ✓ Training duration: 6 semesters
- ✓ Required Diploma / Certificate : Baccalaureate or GCE A/L or Equivalent
- ✓ Issued Diploma / Certificate : Baccalaureate +3
- ✓ Access mode: File study

##### Major: English Private Law

Area of specialization	➤ English Private Law
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##### Major: Public Law

Area of specialization	➤ Public Law Law
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##### Major: Political Science

Area of specialization	➤ Political Science
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##### Major: French Private Law

Area of specialization	➤ French Private Law
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##### 1.E.2. Master degree in Law and political Sciences

- ✓ Training duration: 4 semesters
- ✓ Required Diploma / Certificate : Bachelor of Science
- ✓ Issued Diploma / Certificate : Baccalaureate +5
- ✓ Access mode: File study

##### Major: English Private Law

Area of specialization	➤ Business Law
	➤ Executive Studies in Business Negotiations and Contract management
	➤ International Law
	➤ Natural Resource Law

### Major: Political Science

Area of specialization	➤ Anthropological Politics
	➤ Comparative Politics
	➤ International Relations and Strategic Studies
	➤ Political Science

### Major: Public Law

Area of specialization	➤ Public Law Law
	➤ Administrative litigation

### 1.E.3. Professional Master Degree in Law and Political Sciences

- ✓ Training duration: 4 semesters
- ✓ Required Diploma / Certificate : Bachelor of Science
- ✓ Issued Diploma / Certificate : Baccalaureate +5
- ✓ Access mode: File study

### Major: Political Science

Area of specialization	➤ Public Policy and Public Administration
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### Major: Public Law

Area of specialization	➤ Public International Law
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### 1.E.4. Ph. D in Law and Political Sciences

- ✓ Training duration: 6 semesters
- ✓ Required Diploma / Certificate : Master of Science
- ✓ Issued Diploma / Certificate : Baccalaureate +8
- ✓ Access mode: File study

### Major: English Private Law

Area of specialization	➤ Law Law
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### Major: Political Science

Area of specialization	➤ Political Science
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### Major: Public Law

Area of specialization	➤ Public Law
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## Section 2.

### Certificates issued by Technical and Technological Training Institutes

### 2.A. Science and Technology

### 2.A.1. HND in Science and technology

- ✓ Training duration: 4 semesters
- ✓ Required Diploma / Certificate : Baccalaureate or GCE A/L or equivalent
- ✓ Issued Diploma / Certificate : Baccalaureate +2
- ✓ Access mode: File study

### Major: Agricultural and Environmental Technology

Area of specialization	➤ Bakery and food processing
	➤ Textile and Fashion Clothing Technology

## Course Engineering Technology

Area of specialization	➤ Electric Power System
	➤ Wood works
	➤ Welding and Metallic Construction
	➤ Building and Structural Engineering
	➤ Electrical Engineering
	➤ Mechanical Engineering and Production
	➤ Public Works and Surveying Engineering

### 2.A.2. UDT in Science and technology

- ✓ Training duration: 4 semesters
- ✓ Required Diploma / Certificate : Baccalaureate or GCE A/L or equivalent
- ✓ Issued Diploma / Certificate : Baccalaureate +2
- ✓ Access mode: competitive entrance examination

#### Major: Engineering Technology

Area of specialization	➤ Electric power engineering
	➤ Electronic engineering
	➤ Computer networks and systems maintenance
	➤ Software engineering

### 2.A.3. Bachelor of Technology in Science and technology

- ✓ Training duration: 6 semesters
- ✓ Required Diploma / Certificate : Baccalaureate or GCE A/L or Equivalent
- ✓ Issued Diploma / Certificate : Baccalaureate +3
- ✓ Access mode: File study

#### Major: Custom

Area of specialization	➤ Custom
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#### Major: Land Transport

Area of specialization	➤ Land Transport
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#### Major: Maritime Transport

Area of specialization	➤ Shipping Management
	➤ Maritime Transport

#### Major: Transit and Logistics

Area of specialization	➤ Transit and Logistics
	➤ Transport and logistics Management

### 2.A.4. Bachelor of technology in Science and technology

- ✓ Training duration: 2 - 4 semesters
- ✓ Required Diploma / Certificate : UDT / HND
- ✓ Issued Diploma / Certificate : Baccalaureate +4
- ✓ Access mode: File study



### Major: Engineering in Technology

Area of specialization	➤ Computer networks and systems maintenance
	➤ Software engineering
	➤ Electric power engineering
	➤ Electronic engineering

### Major: Agribusiness Technology

Area of specialization	➤ Agribusiness Technology
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### Major: Agricultural and Environmental Technology

Area of specialization	➤ Agricultural Engineering
	➤ Environmental Engineering
	➤ Animal Production Technology
	➤ Crop Production Technology
	➤ Food Science and Technology

## 2.A.5. Bachelor of technology in Science and technology

- ✓ Training duration: 8 semesters
- ✓ Required Diploma / Certificate : Baccalaureate or GCE A/L or Equivalent
- ✓ Issued Diploma / Certificate : Baccalaureate +4
- ✓ Access mode: Competitive Entrance examination

### Major: Agricultural and Environmental Technology

Area of specialization	➤ Agricultural Engineering
	➤ Environmental Engineering
	➤ Animal Production Technology
	➤ Crop Production Technology
	➤ Food Science and Technology
	➤ Agribusiness technology

## 2.A.6. Bachelor of Engineering in Science and technology

- ✓ Training duration: 8 semesters
- ✓ Required Diploma / Certificate : Baccalaureate or GCE A/L or Equivalent
- ✓ Issued Diploma / Certificate : Baccalaureate +4
- ✓ Access mode: Competitive Entrance examination

### Major: Computer Engineering

Area of specialization	➤ Computer Engineering
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### Major: Electrical and Electronic Engineering

Area of specialization	➤ Electrical and Electronic Engineering
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### Major: Mechanical and Industrial Engineering

Area of specialization	➤ Mechanical and Industrial Engineering
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### Major: Petroleum Engineering

Area of specialization	➤ Petroleum Engineering
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### 2.A.7. Master of Science in Science and technology

- ✓ Training duration: 4 semesters
- ✓ Required Diploma / Certificate : Bachelor of Science
- ✓ Issued Diploma / Certificate : Baccalaureate +5
- ✓ Access mode: File study

#### Major: Chemistry

Area of specialization	➤ Chemistry
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#### Major: Applied Parasitology and Vector Biology

Path	➤ Applied Parasitology and Vector Biology
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#### Major: Applied Botany

Area of specialization	➤ Applied Botany
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#### Major: Geology

Area of specialization	➤ Geology
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#### Major: Mathematics (Probability and Statistics)

Area of specialization	➤ Mathematics (Probability and Statistics)
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### 2.A.8. Professional Master Degree in Science and technology

- ✓ Training duration: 4 semesters
- ✓ Required Diploma / Certificate : Bachelor of Science
- ✓ Issued Diploma / Certificate : Baccalaureate +5
- ✓ Access mode: File study

#### Major: Agricultural and Environmental Technology

Area of specialization	➤ Agribusiness Project management management
	➤ Agribusiness marketing management
	➤ Water resource engineering
	➤ Environmental engineering
	➤ Agricultural machinery and power engineering
	➤ Animal Nutrition
	➤ Reproduction Physiology and Animal Health
	➤ Agronomy
	➤ Nutritional Sciences
	➤ Food and Bio-resource technology
	➤ Food Science and Technology
	➤ Applied Nutrition and Food Service Management

### 2.A.9. Professional Master Degree in Science and technology

- ✓ Training duration: 4 semesters
- ✓ Required Diploma / Certificate : Bachelor of Science
- ✓ Issued Diploma / Certificate : Baccalaureate +5
- ✓ Access mode: File study

#### Major: Land Transport

Area of specialization	➤ Land Transport
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### Major: Maritime Transport

Area of specialization	➤ Maritime Transport
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### Major: Transit and Logistics

Area of specialization	➤ Logistics and Supply Chain Management
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Section 3. Certificates issued by Vocational Institutions

## 3.A. Science and Technology

### 3.A.1. Secondary School Teacher's Certificate Grade I (DIPES I)

- ✓ Training duration: 6 semesters
- ✓ Required Diploma / Certificate : Bacculaureate or GCE A/L or Equivalent
- ✓ Issued Diploma / Certificate : Bacculaureate +3
- ✓ Access mode: Competitive entrance examination

### Major: Bilingual Letters

Area of specialization	➤ Bilingual Letters
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### Major: English Modern Letters

Area of specialization	➤ English Modern Letters
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### Major: Geography

Area of specialization	➤ Geography
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### Major: History

Area of specialization	➤ History
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### Major: Biology

Area of specialization	➤ Biology
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### Major: Chemistry

Area of specialization	➤ Chemistry
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### Major: Economics

Area of specialization	➤ Economics
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### Major: Geology

Area of specialization	➤ Geology
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### Major: Mathematics

Area of specialization	➤ Mathematics
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### Major: Physics

Area of specialization	➤ Physics
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### 3.A.2. Technical School Teacher's Certificate/Diploma (DIPET I)

- ✓ Training duration: 6 semesters
- ✓ Required Diploma / Certificate : Bacculaureate or GCE A/L or Equivalent
- ✓ Issued Diploma / Certificate : Bacculaureate +3
- ✓ Access mode: Competitive entrance examination

### Major: Administrative Technics

Area of specialization	➤ Accountancy
	➤ Information Management And Communication
	➤ Management
	➤ Marketing

### Major: Civil Engineering and Forestry Technics

Area of specialization	➤ Building And Public Works
	➤ Topography
	➤ Woodworks

### Major: Computer Science

Area of specialization	➤ Fundamental Computer Science
	➤ Information Communication Technology

### Major: Economic Science

Area of specialization	➤ Economics
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### Major: Electrical and Power Engineering

Area of specialization	➤ Air Conditioning and Refrigeration
	➤ Electronics
	➤ Electrotechnics

### Major: Law

Area of specialization	➤ Law
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### Major: Mechanical Engineering

Area of specialization	➤ Automobile Mechanics
	➤ Mechanical Design
	➤ Mechanical Manufacturing

### Major: Science of Education

Area of specialization	➤ Guidance and Counselling
	➤ Science of Education

### Major: Social Economy and Family Management

Area of specialization	➤ Fashion Clothing and Textile
	➤ Home Economics

## 3.A.3. Secondary School Teacher's Certificate/Diploma (DIPES II)

- ✓ Training duration: 4 semesters
- ✓ Required Diploma / Certificate : Bachelor of Science
- ✓ Issued Diploma / Certificate : Baccalaureate +5
- ✓ Access mode: Competitive entrance examination

### Major: Bilingual Letters

Area of specialization	➤ Bilingual Letters
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### Major: English Modern Letters

Area of specialization	➤ English Modern Letters
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### Major: History

Area of specialization	➤ History History
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### Major: Geography

Area of specialization	➤ Geography
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### Major: Philosophy

Area of specialization	➤ Philosophy
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### Major: Biology

Area of specialization	➤ Biology
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### Major: Chemistry

Area of specialization	➤ Chemistry
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### Major: Economics

Area of specialization	➤ Economics
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### Major: Geology

Area of specialization	➤ Geology
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### Major: Mathematics

Area of specialization	➤ Mathematics
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### Major: Physics

Area of specialization	➤ Physics
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### Major: Computer Science

Area of specialization	➤ Computer Science
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## 3.A.4. Technical School Teacher's Certificate/Diploma (DIPET II)

- ✓ Training duration: 4 semesters
- ✓ Required Diploma / Certificate : Bachelor of Degree
- ✓ Issued Diploma / Certificate : Baccalaureate +5
- ✓ Access mode: Competitive entrance examination

### Major: Administrative Technics

Area of specialization	➤ Accountancy
	➤ Information Management And Communication
	➤ Management
	➤ Marketing

### Major: Civil Engineering and Forestry Technics

Area of specialization	➤ Building Construction Construction
	➤ Topography
	➤ Woodworks
	➤ Agronomy
	➤ Public Works

### Major: Computer Science

Area of specialization	➤ Fundamental Computer Science
	➤ Information Communication Technology

### Major: Economic Science

Area of specialization	➤ Economics
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### Major: Electrical and Power Engineering

Area of specialization	➤ Air Conditioning and Refrigeration
	➤ Electronics
	➤ Electrotechnics

### Major: Law

Area of specialization	➤ Law
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### Major: Mechanical Engineering

Area of specialization	➤ Automobile Mechanics
	➤ Mechanical Design
	➤ Mechanical Manufacturing

**Major: Science of Education**

Area of specialization	➤ Guidance and Counselling
	➤ Science of Education

**Major: Social Economy and Family Management**

Area of specialization	➤ Fashion Clothing and Textile
	➤ Food Technology
	➤ Home Economics

**3.A.5 Guidance Counsellor's Certificate/Diploma (DIPCO)**

- ✓ Training duration: 4 semesters
- ✓ Required Diploma / Certificate : Bachelor of Degree
- ✓ Issued Diploma / Certificate : Baccalaureate +5
- ✓ Access mode: Competitive entrance examination

**Major: Guidance and Counselling**

Area of specialization	➤ Guidance and Counselling
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**3.A.6 Teacher Training College Tutor's Postgraduate Diploma (DIPEN)**

- ✓ Training duration: 4 semesters
- ✓ Required Diploma / Certificate : Bachelor of Degree
- ✓ Issued Diploma / Certificate : Baccalaureate +5
- ✓ Access mode: Competitive entrance examination

**Major: Science of Education**

Area of specialization	➤ Science of Education
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### University of BUEA

The University of BUEA is a university with a multidisciplinary vocation and in this sense, it offers courses in all Arts, Humanities, Economics and Management, Science and Technology, Health Sciences, and Engineering Sciences. The table below shows the distribution of Douala University institutions by field of training. It appears that these trainings are offered by ten (10) institutions, 70% of which are faculties and 30% are technological and professional institutions.

**Table 2.1: Distribution of training institutions of the UB by field of study.**

Areas of Training	Faculties	Schools
Arts, Letters and Human Sciences (ALHS)	FA, FE	ASTI
Economic and Management Sciences (EMS)	FSMS	
Science and Technology (ST)	FET	HTTTC, COLTECH
Health Sciences (HS)	FS, FAVM	
Agriculture and Veterinary Sciences (AVS)	FAVM	

As one is interested at the distribution of opportunities of training at the University of Buea, it appears on table 2.2 that the sub-fields with the highest number of certificates are Economics and Management Sciences (32.38%), Science and Technology (32.20%) and Arts, Letters and Human Sciences (19.32%).

**Table 2.2: Distribution of certificates issued at UB by field of study.**

Certificate	ALHS	HS	ST	EMS	AVS	Total
Higher National Diploma (HND)	0	0	6	38	0	44
Academic Bachelor Degree	20	4	11	4	9	48
Professional Bachelor Degree	1	0	0	28	0	29
Technology and Engineering Bachelor Degree	0	0	13	0	0	13
Technical School Teacher's Certificate Grade 1 (DIPET I)	0	0	18	0	0	18
Technical School Teacher's Certificate Grade 2 (DIPET II)	0	0	19	0	0	19
Academic Master Degree	15	6	9	0	9	39
Technology and Engineering Master Degree	0	0	6	0	0	6
Professional Master Degree	2	0	0	16	0	18
Doctorate of General Medicine	0	1	0	0	0	1
PhD	13	4	3	0	9	29
<b>Total</b>	<b>51</b>	<b>15</b>	<b>85</b>	<b>86</b>	<b>27</b>	<b>264</b>

With regard to professionalization in classical faculties, table 2.2 also reveals that Professional Bachelor and Master degrees only represent respectively 8% and 11% of the degrees awarded in classical faculties of the University of Buea.

#### Section 1: Certificates issued by Classical Faculties

##### 1.A. Arts, Letters and Human Sciences

###### 1.A.1. Bachelor in Arts, Letters and Human Science

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: BAC or GCE



- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: File study

#### Major: English and Foreign Languages

Area of specialization	➤ English
	➤ Literature in English

#### Major: French

Area of specialization	➤ French Language and Literature
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#### Major: Performing and Visual Arts

Area of specialization	➤ Performing and Visual Arts
	➤ Film and TV Documentary Production

#### Major: History

Area of specialization	➤ History
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#### Major: Linguistics

Area of specialization	➤ Theoretical Linguistics
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#### Major: Curriculum studies and Teaching

Area of specialization	➤ Curriculum studies and Teaching
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#### Major: Educational Foundation and Administration

Area of specialization	➤ Special Education
	➤ Nursery and Primary Education
	➤ Educational Psychology

#### Major: Geography

Area of specialization	➤ Geography
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#### Major: Journalism and Mass Communication

Area of specialization	➤ Journalism and Mass Communication
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#### Major: Sociology and Anthropology

Area of specialization	➤ Sociology and Anthropology
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#### Major: Women and Gender Studies

Area of specialization	➤ Women and Gender Studies
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### 1.A.2. Professional Bachelor in Arts, Letters and Human Science

- ✓ Training duration: 6 semesters
- ✓ Degree level at the entrance: GCE AL or equivalent
- ✓ Degree level validated at the end: Bachelor
- ✓ Access to training: File Study

#### Major: Linguistics

Area of specialization	➤ Mother Tongue Education
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### 1.A.3. Master in Arts, Letters and Human Science

- ✓ Training duration: 4 semesters
- ✓ Degree level at the entrance: Bachelor of Arts
- ✓ Degree level validated at the end: Master
- ✓ Access to training: File Study

### Major: English

Area of specialization	➤ English Language
	➤ English Literature
	➤ American Literature
	➤ African Literature
	➤ Comparative Literature

### Major: French

Area of specialization	➤ Teaching of French as Foreign Language
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### Major: History

Area of specialization	➤ History
	➤ Heritage Studies

### Major: Linguistics

Area of specialization	➤ Theoretical Linguistics
	➤ Applied Linguistics

### Major: Curriculum Studies and Teaching

Area of specialization	➤ Curriculum studies and Teaching
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### Major: Educational Foundation and Administration

Area of specialization	➤ Special Education
	➤ Library and Archival Science
	➤ Educational Administration
	➤ Educational Psychology

## 1.A.4. Professional Master in Arts, Letters and Human Science

- ✓ Training duration: 4 semesters
- ✓ Degree level at the entrance: Bachelor of Arts
- ✓ Degree level validated at the end: Master
- ✓ Access to training: File Study

### Major: French

Area of specialization	➤ Bilingual Masters in Communication
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### Major: Linguistics

Area of specialization	➤ Mother Tongue Education
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## 1.A.5. PhD in Arts, Letters and Human Science

- ✓ Training duration: 6 semesters
- ✓ Degree level at the entrance: Master in Arts
- ✓ Degree level validated at the end: PhD
- ✓ Access to training: File Study

### Major: English

Area of specialization	➤ English Language
	➤ English Literature
	➤ African Literature
	➤ Comparative Literature

### Major: History

Area of specialization	➤ History
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### Major: Linguistics

Area of specialization	➤ Theoretical Linguistics
	➤ Applied Linguistics

## Major: Curriculum Studies and Teaching

Area of specialization	➤ Curriculum studies and Teaching
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## Major: Educational Foundation and Administration

Area of specialization	➤ Educational Administration
	➤ Developmental Psychology
	➤ Counselling Psychology
	➤ Educational Psychology
	➤ Special Education

## 1.B. Science and technology

### 1.B.1. Bachelor in Science and Technology

- ✓ Training duration: 6 semesters
- ✓ Degree level at the entrance: BAC, GCE O and A' Levels
- ✓ Degree level validated at the end: Bachelor
- ✓ Access to training: File Study

#### Major: Biochemistry

Area of specialization	➤ Biochemistry
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#### Major: Science in Botany

Area of specialization	➤ Science in Botany
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#### Major: Science in Chemistry

Area of specialization	➤ Science in Chemistry
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#### Major: Computer Science

Area of specialization	➤ Computer Science
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#### Major: Environmental Science

Area of specialization	➤ Environmental Science
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#### Major: Geology

Area of specialization	➤ Geology
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#### Major: Mathematics

Area of specialization	➤ Mathematics
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#### Major: Microbiology

Area of specialization	➤ Microbiology
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#### Major: Parasitology

Area of specialization	➤ Parasitology
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#### Major: Physics

Area of specialization	➤ Physics
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#### Major: Zoology

Area of specialization	➤ Zoology
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### 1.B.2. Bachelor of Engineering in Science and Technology

- ✓ Training duration: 8 semesters
- ✓ Degree level at the entrance: GCE AL, GCE Technical, BAC equivalent
- ✓ Degree level validated at the end: Bachelor
- ✓ Access to training: File Study

### Major: Electrical and Electronic Engineering

Area of specialization	➤ Power System Engineering
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### Major: Computer Engineering

Area of specializations	➤ Telecommunication and Computer Networks
	➤ Software engineering

## 1.B.3 Master in Science and Technology

- ✓ Training duration: 4 semesters
- ✓ Degree level at the entrance: Bachelor of Science
- ✓ Degree level validated at the end: Master
- ✓ Access to training: File Study

### Major: Applied Geology

Area of specialization	➤ Applied Geology
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### Major: Molecular Biology and Biotechnology

Area of specialization	➤ Molecular Biology and Biotechnology
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### Major: Molecular Epidemiology and Diagnostic Science

Area of specialization	➤ Molecular Epidemiology and Diagnostic Science
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### Major: Wetlands Ecology and Management

Area of specialization	➤ Wetlands Ecology and Management
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### Major: Industrial Chemistry

Area of specialization	➤ Industrial Chemistry
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### Major: Natural Resources and Environmental Management

Area of specialization	➤ Natural Resources and Environmental Management
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### Major: Disaster Risk Management

Area of specialization	➤ Disaster Risk Management
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### Major: Epidemiology and Control of Infectious Diseases

Area of specialization	➤ Epidemiology and Control of Infectious Diseases
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### Major: Field Epidemiology

Area of specialization	➤ Field Epidemiology
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## 1.B.4 Master of Engineering in Science and Technology

- ✓ Training duration: 4 semesters
- ✓ Degree level at the entrance: Bachelor of Engineering
- ✓ Degree level validated at the end: Master
- ✓ Access to training: File Study

### Major: Electrical and Electronic Engineering

Area of specialization	➤ Electrical and Electronic Engineering
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### Major: Computer Engineering

Area of specializations	➤ Telecommunication and Computer Networks
	➤ Software engineering

## 1.B.5 PhD in Science and Technology

- ✓ Training duration: 6 semesters
- ✓ Degree level at the entrance: Master of Science

✓ Degree level validated at the end: PhD

✓ Access to training: File Study

**Major: Natural Resources and Environmental Management**

Area of specialization	➤ Natural Resources and Environmental Management
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**Major: Computer Engineering**

Area of specialization	➤ Telecommunication and Networks
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**Major: Electrical and Electronic Engineering**

Area of specialization	➤ Power System Engineering
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## 1.C. Agriculture and Veterinary Sciences

### 1.C.1. Bachelor in Agriculture and Veterinary Sciences

✓ Training duration: 6 semesters

✓ Degree level at the entrance: BAC, GCE O and A' Levels

✓ Degree level validated at the end: Bachelor

✓ Access to training: File Study

**Major: Agricultural Economics and Agribusiness**

Area of specialization	➤ Agricultural Economics and Agribusiness
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**Major: Agronomic and Applied Molecular Sciences**

Area of specialization	➤ Crop production
	➤ Plant Health Management
	➤ Horticulture
	➤ Soil Science

**Major: Animal Science**

Area of specialization	➤ Animal Science
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**Major: Fishery and Aquaculture Resources Management**

Area of specialization	➤ Fishery and Aquaculture
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**Major: Food Science and Technology**

Area of specialization	➤ Food Science and Technology
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**Major: Forestry and Wildlife**

Area of specialization	➤ Forestry and Wildlife
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### 1.C.2. Master of Science in Agriculture and Veterinary Sciences

✓ Training duration: 4 semesters

✓ Degree level at the entrance: Bachelor of Science

✓ Degree level validated at the end: Master

✓ Access to training: File Study

**Major: Agricultural Economics and Agribusiness**

Area of specialization	➤ Agricultural Economics and Agribusiness
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**Major: Agronomic and Applied Molecular Sciences**

Area of specialization	➤ Crop production
	➤ Plant Health Management
	➤ Horticulture
	➤ Soil Science

### Major: Animal Science

Area of specialization	➤ Animal Science
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### Major: Fishery and Aquaculture Resources Management

Area of specialization	➤ Fishery and Aquaculture
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### Major: Food Science and Technology

Area of specialization	➤ Food Science and Technology
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### Major: Forestry and Wildlife

Area of specialization	➤ Forestry and Wildlife
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## 1.C.3. PhD in Agriculture and Veterinary Sciences

- ✓ Training duration: 6 semesters
- ✓ Degree level at the entrance: Master of Science
- ✓ Degree level validated at the end: PhD
- ✓ Access to training: File Study

### Major: Agricultural Economics and Agribusiness

Area of specialization	➤ Agricultural Economics and Agribusiness
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### Major: Agronomic and Applied Molecular Sciences

Area of specialization	➤ Crop production
	➤ Crop protection
	➤ Horticulture
	➤ Soil Science

### Major: Animal Science

Area of specialization	➤ Animal Production Production
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### Major: Fishery and Aquaculture Resources Management

Area of specialization	➤ Fishery and Aquatic Sciences
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### Major: Food Science and Technology

Area of specialization	➤ Food Science and Technology
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### Major: Forestry and Wildlife

Area of specialization	➤ Forestry and Wildlife
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## 1.D. Health Sciences

### 1.D.1. Bachelor in Health Sciences

- ✓ Training duration: 6 to 8 semesters
- ✓ Degree level at the entrance: BAC or GCE AL
- ✓ Degree level validated at the end: GCE AL + 3
- ✓ Access to training: Competitive entrance examination

### Major: Nursing Sciences

Area of specialization	Nursing Sciences
	Midwifery Sciences

### Major: Biomedical Sciences

Area of specialization	Biomedical Sciences
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### Major: Medical Laboratory Sciences

Area of specialization	Medical Laboratory Sciences
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### 1.D.2. Professional Master in Health Sciences

- ✓ Training duration: 4 semesters
- ✓ Degree level at the entrance: Bachelor degree
- ✓ Degree level validated at the end: GCE AL + 5
- ✓ Access to training: File study

#### Major: Nursing Sciences

Area of specialization	➤ Education in Nursing Sciences
	➤ Medical and surgical nursing care

#### Major: Medical Laboratory Sciences

Area of specialization	➤ Microbiology and Medical Parasitology
	➤ Chemical Pathology

#### Major: Public Health and Hygiene

Area of specialization	➤ Public Health
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#### Major: Veterinary Medicine

Area of specialization	➤ Wildlife Health
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### 1.D.3. Doctorate in General Medicine

- ✓ Training duration: 14 semesters
- ✓ Degree level at the entrance: BAC or GCE AL
- ✓ Degree level validated at the end: GCE AL + 7
- ✓ Access to training: Competitive entrance examination

#### Major: Medicine

Area of specialization	➤ General Medicine
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### 1.D.4. PhD in Medicine

- ✓ Training duration: 10 semesters
- ✓ Degree level at the entrance: Master degree
- ✓ Degree level validated at the end: GCE AL + 13
- ✓ Access to training: Competitive entrance examination

#### Major: Medical Laboratory Sciences

Area of specialization	Microbiology and Medical Parasitology
	Chemical Pathology

#### Major: Public Health and Hygiene

Area of specialization	➤ Public Health
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#### Major: Veterinary Medicine

Area of specialization	➤ Wildlife Health
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## Section 2.

### *Certificates issued by Technical and Technological Institutions*

#### 2.A. Science and technology

##### 2.A.1. High National Diploma (HND) in Science and technology

- ✓ Training duration: 4 semesters
- ✓ Degree level at the entrance: GCE AL or equivalent



- ✓ Degree level validated at the end: HND
- ✓ Access to training: File study

#### Major: Computer Engineering

Area of specialization	➤ Software Engineering and Computing
	➤ Hardware Maintenance

#### Major: Electrical and Electronics Engineering

Area of specialization	➤ Telecommunications
	➤ Electric Power Systems
	➤ Information and Communication Technology

#### Major: Mechanical Engineering

Area of specialization	➤ Mechanical Fabrication
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### 2.A.2. Bachelor of Technology in Science and technology

- ✓ Training duration: 6 semesters
- ✓ Degree level at the entrance: GCE AL or equivalent
- ✓ Degree level validated at the end: GCE AL + 3
- ✓ Access to training: Competitive entrance examination

#### Major: Computer Engineering

Area of specialization	Software Engineering
	Computer Networks and System Maintenance

#### Major: Computer Engineering

Area of specialization	Electrical and Electronic Engineering
	Telecommunications Engineering

#### Major: Mechanical Engineering

Area of specialization	➤ Automotive Engineering
	➤ Coastal and Harbour Engineering Engineering
	➤ Manufacturing Engineering
	➤ Mechatronics Engineering
	➤ Thermo-fluids Engineering
	➤ Welding Technology

### 2.A.3. Master of Technology in Science and technology

- ✓ Training duration: 2 semesters
- ✓ Degree level at the entrance: Bachelor of Technology or it's equivalent
- ✓ Degree level validated at the end: GCE AL + 5
- ✓ Access to training: File study

#### Major: Computer Engineering

Area of specialization	➤ Computer Engineering
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#### Major : Electrical and Electronics Engineering

Area of specialization	➤ Electric Power Systems Engineering
	➤ Telecommunications Engineering

## Section 3.

### *Certificates issued by Vocational Institutions*

#### 3.A. Business and Management

##### 3.A.1. High National Diploma (HND) in Business and Management

- ✓ Training duration: 4 semesters
- ✓ Degree level at the entrance: GCE AL or equivalent
- ✓ Degree level validated at the end: GCE AL + 2
- ✓ Access to training: File study

#### Major: Business Finance and Management

Area of specialization	➤ Accountancy
	➤ Management
	➤ Banking and Finance
	➤ Marketing
	➤ Insurance Insurance
	➤ Executive Secretarial Studies
	➤ Building Secretarial Studies
	➤ Public Service and Administration

#### Major: Engineering and Technology

Area of specialization	➤ Civil Engineering Design
	➤ Urban Planning and Surveying
	➤ Woodworks
	➤ Electrical Power Systems
	➤ Information and Communication Technology
	➤ Mechanical Manufacturing
	➤ Automotive Mechanics and Maintenance
	➤ Structural and Metallic Construction
	➤ Plumbing
	➤ Tiling
	➤ Renewable Energy
	➤ Air Conditioning and Refrigeration
	➤ Telecommunication
	➤ Audio-Visuals and Graphic Communication
	➤ Hardware and Maintenance
	➤ Software Engineering and Computing

#### Major: Education and Professional Development

Area of specialization	➤ Didactics, Educational Planning and Curriculum Development
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#### Major: Home Economics, Tourism and Hotel Management

Area of specialization	➤ Fashion Design, Clothing and Textile
	➤ Bakery and Food Processing
	➤ Food Management and catering
	➤ Food Technology
	➤ Tourism Tourism
	➤ Travel Agency, Tourism and Operations Management

### Major: Agriculture

Area of specialization	➤ Agricultural Engineering
	➤ Agricultural Economics and management
	➤ Food Technology
	➤ Rural Development, Planning and Administration
	➤ Food Safety and Quality Control

### Major: Law

Area of specialization	➤ Judicial Career
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### Major: Human Resource

Option	➤ Human Resource
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## 3.A.2. Professional Bachelor in Business and Management

- ✓ Training duration: 2 semesters
- ✓ Degree level at the entrance: HND, DIPET I, BTS or equivalent
- ✓ Degree level validated at the end: GCE AL + 3
- ✓ Access to training: File study

### Major: Business Finance and Management

Area of specialization	➤ Accountancy
	➤ Business Management
	➤ Marketing
	➤ Banking and Finance
	➤ Insurance Insurance
	➤ Executive Secretarial Studies

### Major: Engineering and Technology

Area of specialization	➤ Building and Structural Engineering
	➤ Electrical Engineering
	➤ Information and Communication Technology
	➤ Public Works and Surveying
	➤ Construction of Metal Structures
	➤ Renewable Energy
	➤ Geomatic Engineering
	➤ Mechanical and Production Engineering
	➤ Environmental Technology
	➤ Woodworks

### Major: Science of Education

Area of specialization	➤ Science of Education
	➤ Counselling and Organisational Psychology

### Major: Social Economy and Family Management

Area of specialization	➤ Bakery and Food Processing
	➤ Textile and Clothing Technology

### Major: Agriculture

Area of specialization	➤ Agriculture Extension and Rural Development
	➤ Food Technology
	➤ Animal Production Production
	➤ Agronomy

### Major: Tourism and Hotel Management

Area of specialization	➤ Restaurant and Food Service Management
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### Major: Home Economics, Tourism and Hotel Management

Area of specialization	➤ Tourism Operations
	➤ Travel and Tourism Foundation IATA

### Major: Law

Area of specialization	➤ Judicial Career
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### 3.A.3 Professional Bachelor in Arts

- ✓ Training duration: 8 semesters
- ✓ Degree level at the entrance: GCE AL or equivalent
- ✓ Degree level validated at the end: GCE AL + 3
- ✓ Access to training: File study

### Major: Translation

Area of specialization	➤ Translation and Intercultural Studies
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### 3.A.4. Professional Master in Arts

- ✓ Training duration: 4 semesters
- ✓ Degree level at the entrance: Bachelor
- ✓ Degree level validated at the end: GCE AL + 5
- ✓ Access to training: Competitive entrance examination

### Major: Interpretation

Area of specialization	➤ Interpretation
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### Major: Translation

Area of specialization	➤ Translation
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### 3.A.5. Professional Master in Business and Management

- ✓ Training duration: 4 semesters
- ✓ Degree level at the entrance: Bachelor
- ✓ Degree level validated at the end: GCE AL + 5
- ✓ Access to training: File study

### Major: Business Finance and Management

Area of specialization	➤ Development Finance
	➤ Finance and Investment
	➤ Information Management and Communication

### Major: Engineering and Technology

Area of specialization	➤ Electrical Engineering
	➤ Renewable Energy
	➤ Applied Information Technology
	➤ Mechanical and Production Engineering
	➤ Civil Engineering, Woodworks
	➤ Environmental Technology

### Major: Science of Education

Area of specialization	➤ Guidance Counselling Counselling
	➤ Education Administration and Planning

### Major: Home Economics, Tourism and Hospitality Management

Area of specialization	➤ Home Economics
	➤ Fashion, Clothing and Textile Technology

### Major: Law

Area of specialization	➤ Law
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## 3.A.6. Technical High School Teacher's Diploma Grade 1 (DIPET I)

- ✓ Training duration: 6 semesters
- ✓ Degree level at the entrance: GCE AL or equivalent
- ✓ Degree level validated at the end: GCE AL + 3
- ✓ Access to training: Competitive Entrance Examination

### Major: Civil Engineering and Forestry Techniques

Area of specialization	Building Construction Construction
	Woodwork

### Major: Electrical and power Engineering

Area of specialization	Electronics
	Electrotechnics

### Major: Mechanical Engineering

Area of specialization	Automobile mechanics
	Mechanical Design
	Mechanical Manufacturing

### Major: Social Economy and Family Management

Area of specialization	Fashion Clothing and Textiles
	Home Economics

### Major: Computer sciences

Area of specialization	Industrial Computing
	Information Technology

### Major: Administrative Techniques

Area of specialization	Information Management and Communication (ICM)
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### Major: Management Sciences

Area of specialization	Marketing
	Accountancy
	Real Estate Management

### Major: Tourism and Hospitality Management

Area of specialization	Tourism Tourism
	Hotel Management

### Major: Law

Area of specialization	Law
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## 3.A.7. Technical High School Teacher's Diploma Grade 2 (DIPET II)

- ✓ Training duration: 4 semesters
- ✓ Degree level at the entrance: Bachelor
- ✓ Degree level validated at the end: GCE AL + 5

- ✓ Access to training: Competitive Entrance Examination

**Major: Civil Engineering and Forestry Techniques**

Area of specialization	Building Construction Construction
	Woodwork

**Major: Electrical and power Engineering**

Area of specialization	Electronics
	Electrotechnics

**Major: Mechanical Engineering**

Area of specialization	Mechanical Manufacturing
	Automobile mechanics

**Major: Social Economy and Family Management**

Area of specialization	Fashion Clothing and Textiles
	Home Economics

**Major: Computer sciences**

Area of specialization	Industrial Computing
	Information and Communication Technologies (ICT)

**Major: Administrative Techniques**

Area of specialization	Information Management and Communication (ICM)
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**Major: Management Sciences**

Area of specialization	Marketing
	Real Estate Management

**Major: Tourism and Hospitality Management**

Area of specialization	Tourism Tourism
	Hotel Management

**Major: Law**

Area of specialization	Law
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**Major: Science of Education**

Area of specialization	Science of Education
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**Major: Guidance Counselling**

Area of specialization	Guidance Counselling
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**Major: Agriculture**

Area of specialization	Agriculture
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## CHAPTER 3 :

### University of Douala

The University of Douala is a multidisciplinary university and in this sense, it offers training in all fields of training, namely: Arts, Letters and Human Sciences; Economics and Management Sciences; Law and Political Sciences; Science and Technology; Health Sciences; Sciences and Technology. Table 3.1 presents the distribution of institutions of the Douala University field of study. It appears that there are eleven institutions 54.54% of which are faculties and the remaining ones are either technological or professional institutions.

**Table 3.1: Distribution of institutions of the DU by field of study**

Field of study	Faculties	Schools
Arts, Letters and Human Sciences (ALHS)	FLSH	IBA
Economic and Management Sciences (EMS)	FSEGA	ESSEC
Law and Political Sciences (LPS)	FSJP	
Science and Technology (ST)	FS, FGI	ENSET IUT, ISH
Health Sciences (HS)	FMSP	

Table 3.1 also reveals that field of study with the highest number of specialities are Arts, Letters and Human Sciences (37.11%) and Science and Technology (33.78%), both fields account for more than 70% of the certificates awarded in this university. This preponderance is certainly related to the relatively high number of institutions that offer training in these fields.

With regard to the professionalization of teaching, it appears that 57 % of the specialities offered at the University of Douala belong to the technical and vocational paths. Focusing on classical faculties, table 3.2 shows that Professional Bachelor and Master degrees represent respectively 31.43% and 38.60% of the certificates awarded the classical faculties of the Douala University.

**Table 3.2: Distribution of certificates issued at UDo by field of study.**

Certificate	ALHS	EMS	ST	LPS	HS	FS	Total
Academic Bachelor Degree	21	12	18	4	0	0	55
Professional Bachelor Degree	7	5	12	10	0	0	34
Bachelor of Technology	12	0	0	0	0	0	12
Master Degree	23	18	49	10	0	6	106
Professional Master Degree	15	13	22	13	6	0	69
Ingenieur de travaux	0	0	0	0	0	6	6
Ingenieur de Conception (Engineer)	21	0	0	0	0	4	25
Brevet de Technicien Supérieur (BTS)	2	0	7	0	0	0	9
University Diploma of Technology (UDT)	11	0	0	0	0	0	11
Diplome d'Etudes	17	0	0	0	0	0	17
Diplome d'Etudes Supérieures (DES)	17	5	0	0	0	0	22
Diplome d'Etudes Professionnelles Approfondies (DEPA)	0	8	0	0	0	0	8
Technical School Teacher's Certificate Grade 1 (DIPET I)	0	0	24	0	0	0	24
Technical School Teacher's Certificate Grade 2 (DIPET II)	0	0	20	0	0	0	20
Doctorate of General Medicine	0	0	0	0	0	0	0
PhD	21	11	0	0	0	0	32
<b>Total</b>	<b>167</b>	<b>72</b>	<b>152</b>	<b>37</b>	<b>6</b>	<b>16</b>	<b>450</b>



## Section 1:

### Certificates issued by Classical Faculties

#### 1.A. Arts, Letters and Human Sciences

##### 1.A.1. Bachelor degree in Arts, Letters and Human Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at the entrance: BAC A or equivalent
- ✓ Diploma level validated at the end of the course: GCE AL + 3
- ✓ Accessibility: File study

##### Major: English and Foreign Languages

Area of specialization	➤ English
	➤ Germanic Studies
	➤ Iberian Studies
	➤ Bilingual studies

##### Major: French and Francophone Studies

Area of specialization	➤ Language and Literature
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##### Major: Linguistics and Negro-African Literature

Area of specialization	➤ African Languages, Linguistics
	➤ Negro-African literature

##### Major: Anthropology

Area of specialization	➤ Medical Anthropology
	➤ Political Anthropology

##### Major: Communication

Area of specialization	➤ Social Communication
	➤ Political Communication
	➤ Communication from Organisations

##### Major: Geography

Area of specialization	➤ Physical Geography and Environment
	➤ Human Geography and Planning

##### Major: History

Area of specialization	➤ Economic and Social History
	➤ Political History and International Relations

##### Major: Philosophy

Area of specialization	➤ Philosophy of Science
	➤ History of Philosophy and Ethics and Politics

##### Major: Psychology

Area of specialization	➤ Child Psychopathology
	➤ Social Psychology

##### Major: Sociology

Area of specialization	➤ Political and Economic Sociology
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##### 1.A.2. Professional degrees in Arts, Letters and Human Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at the entrance: BAC A or equivalent
- ✓ Diploma level validated at the end of the course: GCE AL + 3
- ✓ Accessibility: File study

### Major: Communication

Area of specialization	➤ Event and Advertising Communication
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### Major: Human Resources Management

Area of specialization	➤ Human Resources Management
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### Major: Psychology

Area of specialization	➤ Psycho-pedagogy and Educational Sciences
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### Major: Geography

Area of specialization	➤ Environment and Sustainable Development
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### Major: Sociology

Area of specialization	➤ Management and Socio-political Studies
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## 1.A.3. Master degree in Arts, Letters and Human Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: GCE AL + 5
- ✓ Accessibility: File study

### Major: English and Foreign Languages

Area of specialization	➤ English
	➤ Germanic Studies
	➤ Iberian Studies
	➤ Bilingual studies

### Major: French and Francophone Studies

Area of specialization	➤ Language and Literature
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### Major: Linguistics and Negro-African Literature

Area of specialization	➤ African Languages, Linguistics
	➤ Negro-African literature

### Major: Anthropology

Area of specialization	➤ Medical Anthropology
	➤ Political Anthropology

### Major: Communication

Area of specialization	➤ Social Communication
	➤ Political Communication
	➤ Communication from Organisations
	➤ Translation, Interpretation and Chinese

### Major: Geography

Area of specialization	➤ Physical Geography and Environment
	➤ Human Geography and Planning

### Major: History

Area of specialization	➤ Economic and Social History
	➤ Political History and International Relations

### Major: Philosophy

Area of specialization	➤ Philosophy of Science
	➤ History of Philosophy and Ethics and Politics

### Major: Psychology

Area of specialization	➤ Child Psychopathology
	➤ Social Psychology
	➤ Psychology and Crime Sciences

### Major: Sociology

Area of specialization	➤ Political and Economic Sociology
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## 1.A.4. Professional Masters in Arts, Letters and Human Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: GCE AL + 5
- ✓ Accessibility: File study

### Major: Communication

Area of specialization	➤ Event and Advertising Communication
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### Major: Human Resources Management

Area of specialization	➤ Human Resources Management
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### Major: Psychology

Area of specialization	➤ Psycho-pedagogy and Educational Sciences
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### Major: Geography

Area of specialization	➤ Environment and Sustainable Development
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### Major: Sociology

Area of specialization	➤ Management and Socio-political Studies
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### Major: Documentation

Area of specialization	➤ Documentation, Archiving and Heritage
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## 1.A.5. PhD in Arts, Letters and Human Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: Master's degree in Research
- ✓ Diploma level validated at the end of the course: GCE AL + 8
- ✓ Accessibility: File study

### Major: English and Foreign Languages

Area of specialization	➤ English
	➤ Germanic Studies
	➤ Iberian Studies
	➤ Bilingual studies

### Major: French and Francophone Studies

Area of specialization	➤ Language and Literature
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### Major: Linguistics and Negro-African Literature

Area of specialization	➤ African Languages, Linguistics
	➤ Negro-African literature

### Major: Anthropology

Area of specialization	➤ Medical Anthropology
	➤ Political Anthropology

## Major: Communication

Area of specialization	➤ Social Communication
	➤ Political Communication
	➤ Communication from Organisations

## Major: Geography

Area of specialization	➤ Physical Geography and Environment
	➤ Human Geography and Planning

## Major: History

Area of specialization	➤ Economic and Social History
	➤ Political History and International Relations

## Major: Philosophy

Area of specialization	➤ Philosophy of Science
	➤ History of Philosophy and Ethics and Politics

## Major: Psychology

Area of specialization	➤ Child Psychopathology
	➤ Social Psychology

## Major: Sociology

Area of specialization	➤ Political and Economic Sociology
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## 1.B. Economic and Management Sciences

### 1.B.1. Bachelor degree in Economics and Management Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at the entrance: BAC A or equivalent
- ✓ Diploma level validated at the end of the course: GCE AL + 3
- ✓ Accessibility: File study

#### Major: Economic Sciences

Area of specialization	➤ Economic Analysis and Policy
	➤ Public Economy
	➤ Quantitative Techniques

#### Major: Management Sciences

Area of specialization	➤ Accounting, Finance
	➤ Marketing and Organization

### 1.B.2. Professional Bachelor degree in Economics and Management Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at the entrance: BAC A or equivalent
- ✓ Diploma level validated at the end of the course: GCE AL + 3
- ✓ Accessibility: File study

#### Major: Management Sciences

Area of specialization	➤ Accounting, Finance
	➤ Marketing, Sales and Marketing
	➤ Accounting and Financial Sciences and Techniques
	➤ Creation and Management of Tourism and Hotel Companies

### 1.B.3. Academic Master in Economics and Management Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: GCE AL + 5
- ✓ Accessibility: File study

#### Major: Economics

Area of specialization	➤ Monetary and Banking Economics
	➤ Econometrics and short-term Policies (Forecasting and Conjuncture)
	➤ Public Economy and Industrial Economy
	➤ Open Macroeconomics

#### Major: Management Sciences

Area of specialization	➤ Accounting - Control - Audit
	➤ Corporate Finance
	➤ Marketing-Strategy-Organization

### 1.B.4. Professional Masters in Economics and Management Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: GCE AL + 5
- ✓ Accessibility: File study

#### Major: Management Sciences

Area of specialization	➤ Accounting, Audit and Control
	➤ Marketing, Sales and Marketing
	➤ Financial and Banking Management
	➤ Corporate Administration (MBA)
	➤ Actuarial
	➤ Project Analysis and Evaluation

### 1.B.5. PhD in Economics and Management Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: Master's degree in Research
- ✓ Diploma level validated at the end of the course: GCE AL + 8
- ✓ Accessibility: File study

#### Major: Economics

Area of specialization	➤ Economic Analysis and Policy
	➤ Industrial Economy
	➤ Open Macroeconomics and International Finance
	➤ Applied Microeconomics
	➤ Economic Policy and Development

#### Major: Management Sciences

Area of specialization	➤ Accounting - Control - Audit
	➤ Finance
	➤ Human Resources Management
	➤ Marketing-Strategy-Organizations

## 1.C. Science and Technology

### 1.C.1. Bachelor degree in Science and Technology

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at the entrance: BAC C & D
- ✓ Diploma level validated at the end of the course: GCE AL + 3
- ✓ Accessibility: File study

#### Major: Biology

Area of specialization	➤ Human Biology and Health (HBH)
	➤ Biology of Organisms and Ecosystems (BOE)
	➤ Bio-Informatics and Bio-Statistics (BIBS)
	➤ Biodiversity, Biotechnology and Environment (2BE)
	➤ Molecular and Cellular Biology (BMC)

#### Major: Biochemistry

Area of specialization	➤ Biochemistry
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#### Major: Geosciences

Area of specialization	➤ Geosciences
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#### Major: Chemistry

Area of specialization	➤ Chemistry-Biology (CB)
	➤ Chemistry-Physics (CP)

#### Major: Physics

Area of specialization	➤ Physics and Application
	➤ Physics and Mechanics
	➤ Fundamental Physics
	➤ Physics and Chemistry

#### Major: Mathematics

Area of specialization	➤ Algebra, Analysis and Geometry
	➤ Mathematics and Applications
	➤ Economics and Mathematics

#### Major: Computer science

Area of specialization	➤ Mathematics and Informatics
	➤ Information technology

### 1.C.2. Professional Bachelor degree in Science and Technology

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at the entrance: BAC C & D
- ✓ Diploma level validated at the end of the course: GCE AL + 3
- ✓ Accessibility: File study

#### Major: Biochemistry

Area of specialization	➤ Laboratory techniques
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#### Major: Mathematics and Computer Science

Area of specialization	➤ Information technology applied to business management
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#### Major: Chemistry

Area of specialization	➤ Quality-Safety-Environment
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### 1.C.3. Master degree in Science and Technology

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: GCE AL + 5
- ✓ Accessibility: File study

#### Major: Animal Biology

Area of specialization	➤ Human Biology and Health (HBH)
	➤ Biology of Organisms and Ecosystems (BOE)-BI
	➤ Biology of Organisms and Ecosystems (BOE)-BI

#### Major: Plant Biology

Area of specialization	➤ Ecology, Biodiversity and Environment (ECOBIO)
	➤ Bio-Informatics and Bio-Statistics (BIBS)
	➤ Plant Bio-Technology (BT)

#### Major: Geosciences

Area of specialization	➤ Sedimentary Basins (BS)
	➤ Petrology and Structuring (PS)
	➤ Economic Geology (EG)

#### Major: Biochemistry

Area of specialization	➤ Clinical Biochemistry (BC)
	➤ Natural Substances (NS)
	➤ Molecular and Cellular Biology (CMB)
	➤ Food Science and Nutrition (SAN)

#### Major: Chemistry

Area of specialization	➤ Chemistry-Biology (CB)
	➤ Chemistry-Physics (CP)

#### Major: Mathematics

Area of specialization	➤ Applied Mathematics (MAPP)
	➤ Analysis, Algebra and Geometry (AAG)

#### Major: Physics

Area of specialization	➤ Materials and Mechanical Sciences (S2M)
	➤ Electronics and Instrumentalisation (ELE)
	➤ Environmental Physics (EP)
	➤ Matter and Radiation Sciences (SMR)

#### Major: Computer science

Area of specialization	➤ Signal, Image and Synthesis (SIS)
	➤ Software Engineering (GL)

#### Major: Electronics, Electrical Engineering, Automation and Telecommunications

Area of specialization	➤ Electronics, Electrical Engineering, Automation and Telecommunications
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#### Major: Energy, Materials, Modelling and Methods

Area of specialization	➤ Energy, Materials, Modelling and Methods
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#### Major: Fisheries Resources

Area of specialization	➤ Production and Development of Fishery Resources
	➤ Aquatic Resources and Environment Management

#### Major: Mechanics and Production

Area of specialization	➤ Mechanics and Production
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### Major: Energy

Area of specialization	➤ Energetics
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### Major: Civil Engineering and Urban Planning Environment

Area of specialization	➤ Civil Engineering and Urban Planning Environment
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## 1.C.4. Professional Masters in Science and Technology

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: GCE AL + 5
- ✓ Accessibility: File study

### Major: Chemistry

Area of specialization	➤ Quality-Safety-Environment (QSE)
	➤ Chemical and Pharmaceutical Industry (ICP)

### Major: Biochemistry

Area of specialization	➤ Microbiological and Toxicological Analysis (AMT)
	➤ Microbiological and Toxicological Analysis (AMT)

### Major: Mathematics and Computer Science

Area of specialization	➤ Computer methods applied to business management (MIAGE)
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### Major: Oil Mines

Area of specialization	➤ Geosciences Petroleum
	➤ Geophysics Petroleum
	➤ Mines and Quarries
	➤ Petrochemicals
	➤ Petroleum Engineering
	➤ Reservoir management
	➤ Gas production and utilization and supply
	➤ Integrated Energy systems

## 1.C.5. PhD in Science and Technology

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: GCE AL + 5
- ✓ Accessibility: File study

### Major: Biology and Physiology of Plant Organisms

Area of specialization	➤ Environment; Biology and Plant Ecology
	➤ Bio-Informatics and Bio-Statics / Monitoring and Digitization of Natural and Anthropogenic Ecosystems
	➤ Plant Biotechnologies

### Major: Biology and Physiology of Animal Organisms

Area of specialization	➤ Zoology
	➤ Animal Physiology
	➤ Phyto-pharmacology
	➤ Parasitology and Microbiology

### Major: Geosciences

Area of specialization	➤ Sedimentary Basins
	➤ Hydrogeology

### Major: Biochemistry

Area of specialization	➤ Food Science and Nutrition
	➤ Biochemistry of Natural Substances
	➤ Clinical Biochemistry
	➤ Molecular and Cellular Biology

### Major: Bio-Organics and Applied Structural Chemistry

Area of specialization	➤ Computer Aided Drug Design
	➤ Natural Substances

### Major: Fundamental Physics

Area of specialization	➤ Matter, Outreach and Interactions
	➤ Non-linear dynamics and complex systems
	➤ Sciences of the Universe
	➤ Electronics and Instrumentation

### Major: Mathematics

Area of specialization	➤ Algebra, Analysis and Geometry
	➤ Applied Mathematics in Social Sciences
	➤ Mathematical Epidemiology

## 1.D. Law and Political Sciences

### 1.D.1. Academic Bachelor degree in Law and Political Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at the entrance: BAC
- ✓ Diploma level validated at the end of the course: GCE AL + 3
- ✓ Accessibility: File study

### Major: Law and Political Science

Area of specialization	➤ Private Law
	➤ Public Law
	➤ Political Science
	➤ Common Law

### 1.D.2. Professional Bachelor in Law and Political Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at the entrance: BAC
- ✓ Diploma level validated at the end of the course: GCE AL + 3
- ✓ Accessibility: File study

### Major: Law and Political Science

Area of specialization	➤ Transport and Customs Clearance Procedures
	➤ Taxation
	➤ Banking and Insurance
	➤ Judicial Career and Administrative Executives
	➤ Framework of Decentralised Territorial Communities
	➤ Notarial Law
	➤ Oil, Mining, Forestry and Electricity Law
	➤ Administration of Elections
	➤ Parliamentary, Local and Consular Assistant
	➤ Public Procurement

### 1.D.3. Master in Law and Political Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: GCE AL + 5
- ✓ Accessibility: File study

**Major: Law and Political Science**

Area of specialization	➤ Business Law
	➤ Basic Private Law
	➤ Internal Public Law
	➤ International Public Law
	➤ Political Sociology
	➤ International Studies
	➤ Business Corporate and Finance Law

### 1.D.4. Professional Master degree in Law and Political Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: GCE AL + 5
- ✓ Accessibility: File study

**Major: Law and Political Science**

Area of specialization	➤ Taxation Applied
	➤ Tax Administration
	➤ International Transport and Logistics
	➤ Notarial Law
	➤ Peace, Security and Conflict Resolution
	➤ Corporate Counsel Lawyer
	➤ Decentralization and Local Governance
	➤ Private and Public Litigation
	➤ Public Procurement
	➤ Solidarity and International Cooperation
	➤ Community and Regional Integration Law
	➤ Banking, Finance and Insurance
	➤ Natural Resources and Sustainable Development Law

### 1.D.5. PhD in Law and Political Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: File study

**Major: Law and Political Science**

Area of specialization	➤ Public Law
	➤ Business Law
	➤ English Common Law
	➤ Political Science
	➤ Basic Private Law

## 1.E. Health Sciences

### 1.E.1. Professional Bachelor degree in Health Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at the entrance: BAC or GCE AL
- ✓ Diploma level validated at the end of the course: GCE AL + 3
- ✓ Accessibility: Competitive Entrance Examination

**Major: Biomedical Sciences**

Area of specialization	➤ Biomedical Sciences
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### 1.E.2. Professional Master degree in Health Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at the entrance: BAC or GCE AL
- ✓ Diploma level validated at the end of the course: GCE AL + 5
- ✓ Accessibility: Competitive Entrance Examination

**Major: Biomedical Sciences**

Area of specialization	➤ Biomedical Sciences
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**Major: Clinical Biology**

Area of specialization	➤ Clinical biochemistry
	➤ Bacteriology and medical virology
	➤ Parasitology and medical mycology
	➤ Hematology and Immunology
	➤ Cytology and cytopathology
	➤ Toxicology and environmental impact

### 1.E.3. Doctorate of General Medicine

- ✓ Duration of the training: 14 semesters
- ✓ Diploma level at the entrance: BAC or GCE AL
- ✓ Diploma level validated at the end of the course: GCE AL +7
- ✓ Accessibility: Competitive Entrance Examination

**Major: Medicine**

Area of specialization	➤ General Medicine
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**Major: Pharmacy**

Area of specialization	➤ Pharmacy
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## Section 2.

**Certificates issued by Technical and Technological Institutions**

### 2.A. Science and Technology

#### 2.A.1 Engineer in Science and Technology

- ✓ Duration of the training: 10 semesters
- ✓ Diploma level at the entrance: BAC or GCE AL
- ✓ Diploma level validated at the end of the course: GCE AL + 5
- ✓ Accessibility: Competitive entrance examination

### Major: Hygiene, Safety and Industrial Security

Area of specialization	➤ Industrial Hygiene
	➤ Industrial Security and Safety
	➤ Industrial Quality and Standardization
	➤ Industrial Environment

### Major: Industrial Robotics

Area of specialization	➤ Electrical and electromechanical engineering
	➤ Automation and Control of Industrial Systems
	➤ Intelligent Systems, Vision and Robotics

### Major: Automotive Technology

Area of specialization	➤ Bodywork and Suspensions
	➤ Engine and Transmission
	➤ Mechatronics

### Major: Industrial Construction Technology

Area of specialization	➤ Mechanical Engineering
	➤ Industrial Production

### Major: Telecommunications and Information and Communication Technology

Area of specialization	➤ Telecommunications
	➤ Computer Engineering

### Major: Industrial Fishing

Area of specialization	➤ Shipbuilding Industry
	➤ Naval Mechanical Engineering

### Major: Civil Engineering

Area of specialization	➤ Civil and Industrial Construction
	➤ Roads and Works of Art

### Major: Chemical Engineering

Area of specialization	➤ Industrial chemistry and bio-chemistry
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### Major: Process Engineering

Area of specialization	➤ Food processing processes
	➤ Extraction and processing processes

## 2.A.2. PhD in Science and Technology

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: Master or equivalent
- ✓ Diploma level validated at the end of the course: GCE AL + 8
- ✓ Accessibility: Competitive entrance examination

### Major: Hygiene, Safety and Industrial Security

Area of specialization	➤ Industrial Hygiene
	➤ Industrial Security and Safety
	➤ Industrial Quality and Standardization
	➤ Industrial Environment

### Major: Industrial Robotics

Area of specialization	➤ Electrical and electromechanical engineering
	➤ Automation and Control of Industrial Systems
	➤ Intelligent Systems, Vision and Robotics

### Major: Automotive Technology

Area of specialization	➤ Bodywork and Suspensions
	➤ Engine and Transmission
	➤ Mechatronics

### Major: Industrial Construction Technology

Area of specialization	➤ Mechanical Engineering
	➤ Industrial Production

### Major: Telecommunications and Information and Communication Technology

Area of specialization	➤ Telecommunications
	➤ Computer Engineering

### Major: Industrial Fishing - Safety and Industrial Security

Area of specialization	➤ Shipbuilding Industry
	➤ Naval Mechanical Engineering

### Major: Civil Engineering

Area of specialization	➤ Civil and Industrial Construction
	➤ Roads and Works of Art

### Major: Chemical Engineering

Area of specialization	➤ Industrial chemistry and bio-chemistry
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### Major: Process Engineering

Area of specialization	➤ Food processing processes
	➤ Extraction and processing processes

## 2.A.3. Higher Technician Certificate (BTS) in Science and Technology

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: BAC or GCE AL
- ✓ Diploma level validated at the end of the course: GCE AL + 2
- ✓ Accessibility: Competitive entrance examination

### Major: Mechanical Design and Manufacturing

Area of specialization	➤ Mechanical Engineering
	➤ Mechanical Manufacturing

## 2.A.4. University Diploma of Technology (DUT) in Science and Technology

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Baccalaureate or GCE AL
- ✓ Diploma level validated at the end of the course: GCE AL + 2
- ✓ Accessibility: Competitive entrance examination

### Major: Administration Management

Area of specialization	➤ Management Applied to Small and Medium Organizations
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### Major: Biomedical Engineering

Area of specialization	➤ Biomedical Engineering
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### Major: Railway Engineering

Area of specialization	➤ Electrical Engineering and Industrial Computing
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### Major: Mechanical Design and Manufacturing

Area of specialization	➤ Railway Engineering
<b>Major: Computer Engineering</b>	
Area of specialization	➤ Computer Engineering
<b>Major: Industrial Engineering and Maintenance</b>	
Area of specialization	➤ Industrial Engineering and Maintenance
<b>Major: Logistics and Transport Engineering</b>	
Area of specialization	➤ Logistics and Transport Engineering
<b>Major: Metallurgical Engineering</b>	
Area of specialization	➤ Metallurgical Engineering (GME)
<b>Major: Mechanical and Production Engineering</b>	
Area of specialization	➤ Mechanical and Production Engineering (GMP)
<b>Major: Thermal Engineering and Energy</b>	
Area of specialization	➤ Thermal and Energy Engineering (HEE)
<b>Major: Organization and Administrative Management</b>	
Area of specialization	➤ Organization and Administrative Management

## 2.A.5. Bachelor of Technology in Science and Technology

- ✓ Duration of the training: 2 semesters
- ✓ Diploma level at the entrance: DUT or BTS
- ✓ Diploma level validated at the end of the course: GCE AL + 3
- ✓ Accessibility: Competitive entrance examination

### Major: Organization and Administrative Management

Area of specialization	➤ Organization and Administrative Management
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### Major: Administration Management

Area of specialization	➤ Communication, Negotiation and Sales
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### Major: Biomedical Engineering

Area of specialization	➤ Biomedical Engineering
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### Major: Administration Management

Area of specialization	➤ Accounting and Financial Management
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### Major: Railway Engineering

Area of specialization	➤ Railway Engineering
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### Major: Industrial Engineering and Maintenance

Area of specialization	➤ Industrial Engineering and Maintenance
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### Major: Logistics and Transport Engineering

Area of specialization	➤ Logistics and Transport Engineering
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### Major: Metallurgical Engineering

Area of specialization	➤ Metallurgical Engineering
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### Major: Mechanical and Production Engineering

Area of specialization	➤ Mechanical and Production Engineering
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### Major: Thermal Engineering and Energy

Area of specialization	➤ Food Hygiene and Safety Quality
	➤ Energy Saving and Environment

### Major: Electrical Engineering and Industrial Computing

Area of specialization	➤ Industrial IT
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## 2.B. Arts, Letters and Human Sciences

### 2.B.1. Professional Bachelor degree in Arts, Letters and Human Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: Baccalaureate (C, D, E, F4) or GCE A/L in Scientific level
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: Competitive entrance examination

#### Major: Architecture and Urban Planning

Area of specialization	➤ Architecture
	➤ Urban planning

### 2.B.2. Certificate of Studies (DE) in Arts, Letters and Human Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: Baccalaureate (C, D, E, F4) or GCE AL in Scientific level
- ✓ Diploma level validated at the end of the course: GCE AL + 3
- ✓ Accessibility: Competitive entrance examination

#### Major: Film and Audiovisual (D.E.C.A.)

Area of specialization	➤ Scriptwriter
	➤ Assistant Producer
	➤ Assistant Director
	➤ Editor and Truquist
	➤ Research

#### Major: Heritage and Museology (D.E.P.M.)

Area of specialization	➤ Museology and Museography
	➤ Cultural Tourism
	➤ Management and Conservation of Cultural Heritage
	➤ Cultural Mediation and Exhibition Commission

#### Major: Plastic Arts and History of Art (D.E. A. P)

Area of specialization	➤ Plastic Arts
	➤ History of Art

#### Major: Theatre (D.E.T)

Area of specialization	➤ Theatre
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#### Major: Arts and Crafts of Clothing (D.E.A.A.M.H)

Area of specialization	➤ Fashion Management and Marketing
	➤ Modelling and Styling
	➤ Clothing Technology

### 2.B.3. Certificate of Higher Studies (D.E.S.) in Arts, Letters and Human Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Licence or Diploma of Studies in the specialty
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: Competitive entrance examination

#### Major: Architecture and Urban Planning (D.E.S.S.A.U)

Area of specialization	➤ Architecture and Construction
	➤ Urban planning

#### Major: Film and Audiovisual (D.E.S.S.C.A)



Area of specialization	➤ Scriptwriting Scriptwriting
	➤ Film and Television Production
	➤ Cinematographic and Television Production
	➤ Camera and Shooting Views
	➤ Editing and Special Effects

#### Major: Heritage and Museology (D.E.S.S.P.M.)

Area of specialization	➤ Museology and Museography
	➤ Cultural Tourism
	➤ Management and Conservation of Cultural Heritage
	➤ Cultural Mediation and Exhibition Commission

#### Major: Plastic Arts and Art History (D.E. S.A. P)

Area of specialization	➤ Plastic Arts
	➤ History of Art

#### Major: Theatre (D.E. S.T.)

Area of specialization	➤ Theatre
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#### Major: Arts and Crafts of Clothing (D.E. S. S. A.M.H)

Area of specialization	➤ Fashion Management and Marketing
	➤ Modelling and Styling
	➤ Clothing Technology

### 2.B.4. Master degree in Arts, Letters and Human Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Baccalaureate degree +3 in Social and Political Sciences (Anthropology, Sociology, Geography, Economics, Political Sciences, History, Philosophy, etc.), Engineering, Architecture, etc.
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: Competitive entrance examination

#### Major: Territorial Engineering of Intercultural and Eco-Design Sustainable Development (D.M.E.D.I.I.E)

Area of specialization	➤ Environmental Management and Sustainable Development
	➤ Intercultural Management and Sustainable Development
	➤ Eco-Design (Design and Sustainable Development)

#### Major: Engineering of Cultural Industries (D.M.C.2.I)

Area of specialization	➤ Cultural Tourism
	➤ Museology and Cultural Mediation
	➤ Plastic Arts
	➤ Cinema and Audiovisual
	➤ Musical Industries
	➤ Design and Management of Cultural Programmes and Projects

### 2.C. Fisheries science

#### 2.C.1. Deputy Engineer in Fisheries Science

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: Baccalaureate or GCE A/L
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: Competitive entrance examination

### Major: Fisheries Sciences

Area of specialization	➤ Aquaculture
	➤ Aquatic Ecosystem Management
	➤ Fisheries Management
	➤ Processing and quality control of fishery products
	➤ Oceanography
	➤ Fisheries Management

### 2.C.2. Engineer in Fisheries Science

- ✓ Duration of the training: 10 semesters
- ✓ Diploma level at the entrance: BAC A or equivalent
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: Competitive entrance examination

### Major: Fisheries Sciences

Area of specialization	➤ Aquaculture
	➤ Aquatic Ecosystem Management
	➤ Oceanography and limnology
	➤ Processing and quality control of fishery products

### 2.C.3. Master degree in Fisheries Science

- ✓ Duration of the training: 2 semesters
- ✓ Diploma level at entry: Design Engineer
- ✓ Diploma level validated at the end of the course: BAC + 6
- ✓ Accessibility: Competitive Entrance Examination

### Major: Production and Development of Fishery Resources

Area of specialization	➤ Production of Fishery Resources
	➤ Valuation of Fishery Resources

### Major: Ecosystems and Fisheries Resources

Area of specialization	➤ Aquatic Resources and Environment Management
	➤ Production of Fishery Resources
	➤ Valuation of Fishery Resources
	➤ Aquatic Resources and Environment Management

## Section 3.

### Certificates issued by Vocational Institutions

### 3.A. Economics and Management Sciences

### 3.A.1. Academic Bachelor degree in Economics and Management Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: BAC or equivalent
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: Competitive Entrance Examination

### Major: Higher Commercial Studies

Area of specialization	➤ Marketing Management
	➤ International Trade Management and Transport
	➤ Human Resources Management
	➤ Financial and accounting management
	➤ Audit and Management Control
	➤ Accounting, financial and audit management
	➤ Economic and financial engineering

### 3.A.2. Professional Bachelor degree in Economics and Management Sciences

- ✓ Duration of the training: 2 semesters
- ✓ Diploma level at the entrance: Bac+2 or GCE AL+2
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: Competitive Entrance Examination

### Major: Organization and Management

Area of specialization	➤ Organizational Management
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### 3.A.3. Certificate of Higher Studies (DES) in Economics and Management Sciences

- ✓ Duration of the training: 2 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC + 4
- ✓ Accessibility: Competitive Entrance Examination

### Major: Higher Commercial Studies

Area of specialization	➤ Marketing Management
	➤ International Trade Management and Transport
	➤ Human Resources Management
	➤ Financial and accounting management
	➤ Audit and Management Control

### 3.A.4. Certificate of Advanced Professional Studies (DEPA) in Economics and Management Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: Competitive Entrance Examination

### Major: Higher Commercial Studies

Area of specialization	➤ Sales Management and Commercial Negotiations
	➤ Quality Management
	➤ Management of the company's Social Policy
	➤ Project Management
	➤ Entrepreneurship
	➤ Financial Management and Accounting
	➤ Quality Health Safety Safety Environment
	➤ Business Analyst

### 3.A.5. Master degree in Economics and Management Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: Competitive Entrance Examination

#### Major: Higher Commercial Studies

Area of specialization	➤ Marketing Management
	➤ Human Resources and Social Relations Management
	➤ International Management and Supply Chain
	➤ Financial and accounting management
	➤ Audit and Management Control
	➤ Risk Management and Actuarial Services
	➤ Asset and product market management
	➤ Business Analyst

#### Major: Economics

Area of specialization	➤ Economics
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#### Major: Management Sciences

Area of specialization	➤ Management Sciences
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### 3.A.6. Professional Master degree in Economics and Management Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: Competitive Entrance Examination

#### Major: Higher Commercial Studies

Area of specialization	➤ Audit and Management Control
	➤ Financial management
	➤ Organizational Management
	➤ Human Resources Management
	➤ Operations and quality management
	➤ Marketing management
	➤ International Trade and Supply Chain

### 3.A.7. PhD in Economics and Management Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: Master's degree in Research
- ✓ Diploma level validated at the end of the course: BAC + 8
- ✓ Accessibility: Competitive Entrance Examination

#### Major: Economics

Area of specialization	➤ Economics
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#### Major: Management Sciences

Area of specialization	➤ Management Sciences
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### 3.B. Science and Technology

#### 3.A.1. Technical School Teacher's Certificate Grade 1 (DIPET I)

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at the entrance: BAC, Brevet de Technicien or GCE AL
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: Competitive Entrance Examination

##### Major: Social and Family Economy

Area of specialization	➤ Aesthetics, Hairdressing and Cosmetology
	➤ Human Nutrition and Dietetics
	➤ Puericulture, Gerontology and Auxiliary of Life

##### Major: Chemical Engineering

Area of specialization	➤ Industrial Chemistry
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##### Major: Civil Engineering

Area of specialization	➤ Buildings and Public Works
	➤ Surveyors Surveyors
	➤ Sanitary Installations and Sanitation

##### Major: Electrical Engineering

Area of specialization	➤ Electronics
	➤ Electrical engineering
	➤ Cooling and Air Conditioning/Thermal and Energy

##### Major: Forest Engineering

Area of specialization	➤ Logging operations
	➤ Wood Industry
	➤ Wood Professions

##### Major: Computer Engineering

Area of specialization	➤ Industrial IT
	➤ Information and Communication Technology

##### Major: Mechanical Engineering

Area of specialization	➤ Mechanical Engineering
	➤ Mechanical Manufacturing
	➤ Mechanical Engineering Automotive

##### Major: Textile and clothing industries

Area of specialization	➤ Textile and clothing industries
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##### Major: Economic and Management Sciences

Area of specialization	➤ Accounting
	➤ Economy
	➤ Marketing
	➤ Organizational Information Management

##### Major: Administrative Techniques

Area of specialization	➤ Organizational Information Management
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#### 3.A.2. Technical School Teacher's Certificate Grade 2 (DIPET II)

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at the entrance: DIPET I, Engineer, Technological Licence
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: Competitive Entrance Examination

### Major: Social and Family Economy

Area of specialization	➤ Aesthetics, Hairdressing and Cosmetology
	➤ Puericulture, Gerontology and Auxiliary of Life

### Major: Chemical Engineering

Area of specialization	➤ Industrial Chemistry
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### Major: Civil Engineering

Area of specialization	➤ Buildings and Public Works
	➤ Surveyors Surveyors
	➤ Sanitary Installations and Sanitation

### Major: Electrical Engineering

Area of specialization	➤ Electronics
	➤ Electrical engineering
	➤ Cooling and Air Conditioning/Thermal and Energy

### Major: Forest Engineering

Course	➤ Wood Science and Technology
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### Major: Computer Engineering

Area of specialization	➤ Industrial IT
	➤ Information and Communication Technology

### Major: Mechanical Engineering

Area of specialization	➤ Mechanical Engineering
	➤ Mechanical Manufacturing
	➤ Mechanical Engineering Automotive

### Major: Textile and clothing industries

Area of specialization	➤ Textile and clothing industries
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### Major: Economic and Management Sciences

Area of specialization	➤ Accounting
	➤ Economy
	➤ Marketing

### Major: Administrative Techniques

Area of specialization	➤ Organizational Information Management
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## 3.A.3. Professional Bachelor Degree in Science and Technology

- ✓ Duration of the training: 2 semesters
- ✓ Diploma level at the entrance: HND and BTS
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: Competitive Entrance Examination

### Major: Management Techniques

Area of specialization	➤ Accounting, Finance and Audit
	➤ Human Resources Management
	➤ Marketing
	➤ Banking and Microfinance
	➤ Management of Computer Projects

### Major: Industrial Techniques

Area of specialization	➤ Mechanical Engineering and Automation
	➤ Electrical Power Engineering
	➤ Networks and Telecommunication
	➤ Civil Engineering (Building and Public Work)

### 3.A.4. Master Degree in Science and Technology

- ✓ Duration of the training: 2 semesters
- ✓ Diploma level at entry: DIPET II
- ✓ Diploma level validated at the end of the course: BAC + 6
- ✓ Accessibility: Competitive Entrance Examination

#### Major: Mechanical Engineering

Area of specialization	➤ Mechanical Engineering
	➤ Mechanical Manufacturing
	➤ Mechanical Engineering Automotive

#### Major: Textile and clothing industries

Area of specialization	➤ Textile and clothing industries
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#### Major: Civil Engineering

Area of specialization	➤ Buildings and Public Works
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#### Major: Forest Engineering

Area of specialization	➤ Wood Science and Technology
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#### Major: Electrical Engineering

Area of specialization	➤ Electronics
	➤ Electrical engineering
	➤ Cooling and Air Conditioning/Thermal and Energy

#### Major: Computer Engineering

Area of specialization	➤ Industrial IT
	➤ Information and Communication Technology

#### Major: Educational Sciences

Area of specialization	➤ Guidance Counsellor
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#### Major: Economic and Management Sciences

Area of specialization	➤ Accounting
	➤ Economy
	➤ Marketing

#### Major: Administrative Techniques

Area of specialization	➤ Organizational Information Management
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#### Major: Social and Family Economy

Area of specialization	➤ Aesthetics, Hairdressing and Cosmetology
	➤ Puericulture, Gerontology and Auxiliary of Life

#### Major: Chemical Engineering

Area of specialization	➤ Industrial Chemistry
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### 3.A.5. Professional Master Degree in Science and Technology

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at the entrance: BAC or GCE AL
- ✓ Diploma level validated at the end of the course: BAC + 2
- ✓ Accessibility: Competitive Entrance Examination

### Major: Management Techniques

Area of specialization	➤ Accounting, Finance and Audit
	➤ Human Resources Management
	➤ Marketing
	➤ Banking and Microfinance
	➤ Management of Computer Projects

### Major: Industrial Techniques

Area of specialization	➤ Mechanical Engineering and Automation
	➤ Electrical Power Engineering
	➤ Networks and Telecommunication
	➤ Civil Engineering (Building and Public Work)

### 3.A.6. Certificate of Higher Technician (BTS) in Science and Technology

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at the entrance: DIPET I, Dip. Engineering, Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: Competitive Entrance Examination

### Major: Industrial Techniques

Area of specialization	➤ Civil Engineering
	➤ Auto-Mechanics and After-sale Service (MAVA)
	➤ Electrotechnics
	➤ Woodwork
	➤ Cooling and Air Conditioning
	➤ Textile Industry and Fashion Design
	➤ Social and home Economics



## University of DSCHANG

The University of DSCHANG is a university with a multidisciplinary vocation and in this sense, it offers many training opportunities in the following fields: Arts, Letters and Human Sciences; Economics and Management; Science and Technology; Health Sciences. The table 4.1 shows that DSCHANG University has six (06) classical faculties and two (02) technological and professional institutions.

**Table 4.1: Distribution of institutions UDs by field of study**

Areas of Training	Faculties	Schools
Arts, Letters and Human Sciences (ALHS)	FLSH	IBAF
Economic and Management Sciences (EMS)	FSEG	
Science and Technology (ST)	FS	IUT-FV
Health Sciences (HS)	FMSP	
Law and Political Sciences (LPS)	FSJP	
Agronomy and Agricultural Sciences	FASA	

A deeper analysis of the training opportunities of the UDs indicates that 35% of certificates are awarded in Science and Technology, 25.27% in Agronomy and Agricultural Sciences and about 22.38% in Arts, Letters and Human Sciences (see on table 4.2). As far as the scope of professionalization within classical faculties is concerned, table 4.2 also indicate that about 27% of the Bachelor degrees and 44% of Master degrees delivered at the UDs are from professional specialities.

**Table 4.2: Distribution of certificates delivered at the Uds by field of study**

Certificate	ALHS	EMS	ST	LPS	AAS	Total
Academic Bachelor degree	13	5	16	4	0	38
Professional Bachelor degree	5	2	10	1	6	24
Academic Master degree	19	4	16	6	14	59
Professional Master degree	9	5	9	5	27	55
PhD	16	7	15	9	14	61
Deputy Engineer	0	0	0	0	9	9
University Diploma of Technology (UDT)	0	0	10	0	0	10
Brevet de Technicien Supérieur (BTS)	0	0	10	0	0	10
Bachelor of Technology	0	0	11	0	0	11
<b>Total</b>	<b>62</b>	<b>23</b>	<b>97</b>	<b>25</b>	<b>70</b>	<b>277</b>

### Section 1:

#### *Diplomas of the Classical Faculty Establishments*

#### 1.A. Arts, Letters and Human Sciences

##### 1.A.1. Academic Bachelor degree in Arts, Letters and Human Sciences

- ✓ Duration of training: 6 semesters
- ✓ Diploma level at the entrance: BAC, GCE AL, or equivalent
- ✓ Diploma level validated at the end of the course: BAC +3
- ✓ Accessibility: File study

**Major: African Studies**

Area of specialization	➤ African and linguistic languages
	➤ African Literature and Cultures

#### Major: Applied Foreign Languages

Area of specialization	➤ Letters of French Expression
	➤ English Modern Letters
	➤ Bilingual Letters (French, English)
	➤ Trilingual Letters (French, English, Spanish)
	➤ Trilingual Letters (French, English, Italian)
	➤ Trilingual Letters (French, English, German)

#### Major: History

Area of specialization	➤ History
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#### Major: Geography

Area of specialization	➤ Geography, Planning and Environment
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#### Major: Philosophy, Psychology, Sociology

Area of specialization	➤ Philosophy
	➤ Psychology
	➤ Sociology

### 1.A.2. Professional Bachelor degree in Arts, Letters and Human Sciences

- ✓ Duration of training: 2 semesters
- ✓ Diploma level at the entrance: DEUG, or equivalent
- ✓ Diploma level validated at the end of the course: BAC +3
- ✓ Accessibility: File study

#### Major: Applied Foreign Languages

Area of specialization	➤ Communication for governance and development
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#### Major: History

Area of specialization	➤ Archivistics, Documentation and Library
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#### Major: Geography

Area of specialization	➤ Cartography, Remote Sensing and Geographic Information Systems
	➤ Tourism and tourism business management
	➤ Digital mapping and geographic information systems

### 1.A.3. Master degree in Arts, Letters and Human Sciences

- ✓ Duration of training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC +5
- ✓ Accessibility: File study

#### Major: African Studies

Area of specialization	➤ Africa and globalization
	➤ Applied Linguistics
	➤ African and linguistic languages
	➤ African Literature and Civilizations

### Major: Applied Foreign Languages

Area of specialization	➤ English and commonwealth studies
	➤ Hispanic and Iberian Studies
	➤ Italian Studies
	➤ Germanic Studies

### Major: Linguistics

Area of specialization	➤ Applied Linguistics for African Languages
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### Major: History

Area of specialization	➤ History
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### Major: Geography

Area of specialization	➤ Geography
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### Major: Philosophy, Psychology, Sociology

Area of specialization	➤ Psychology
	➤ Sociology
	➤ Philosophy

### Major: Language sciences, literature and culture

Area of specialization	➤ Germanic Studies
	➤ English and commonwealth studies
	➤ French and Francophone studies
	➤ Italian studies
	➤ Hispanic studies

### 1.A.4. Professional Masters in Arts, Letters and Human Sciences

- ✓ Duration of training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC +5
- ✓ Accessibility: File study

### Major: Geography

Area of specialization	➤ Science and tourism management
	➤ International Migration, Globalization and Local Development
	➤ Climate Change, Biodiversity and Green Economy
	➤ Cartography, Remote Sensing and Geographic Information Systems
	➤ Town and country planning

### Major: Applied Foreign Languages

Area of specialization	➤ Translation and Interpreting (French, English, German)
	➤ Translation and Interpreting (French, English, Spanish)
	➤ Translation and Interpreting (French, English, Italian)
	➤ Translation and Interpreting (French, English)

### 1.A.5. PhD in Arts, Letters and Human Sciences

- ✓ Duration of training: 6 semesters
- ✓ Diploma level at entry: Master degree
- ✓ Diploma level validated at the end of the course: BAC + 8
- ✓ Accessibility: File study

## Major: African Studies

Area of specialization	➤ Applied Linguistics
	➤ African and linguistic languages
	➤ African Literature and Cultures

## Major: Applied Foreign Languages

Area of specialization	➤ Germanic Studies
	➤ French and Francophone Studies
	➤ English and Commonwealth studies
	➤ Hispanic and Iberian Studies
	➤ Italian Studies

## Major: History

Area of specialization	➤ Economic and social history
	➤ Political history
	➤ History of International Relations
	➤ History of Civilizations and Religions

## Major: Geography

Area of specialization	➤ Geography
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## Major: Philosophy, Psychology, Sociology

Area of specialization	➤ Philosophy
	➤ Psychology
	➤ Sociology

## 1.B. Economic and Management Sciences

### 1.B.1. Academic Bachelor degree in Economics and Management Sciences

- ✓ Duration of training: 6 semesters
- ✓ Diploma level at entry: BAC, GCE or equivalent
- ✓ Diploma level validated at the end of the course: BAC +3
- ✓ Accessibility: File study

## Major: Management Sciences

Area of specialization	➤ Management Sciences
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## Major: Economics

Area of specialization	➤ Banking, currency, finance
	➤ Banking and stock market insurance
	➤ Public Economy and Human Resources (EPRH)
	➤ Mathematical economics

### 1.B.2. Professional Bachelor degree in Economics and Management Sciences

- ✓ Duration of training: 6 semesters
- ✓ Diploma level at entry: BAC, GCE or equivalent
- ✓ Diploma level validated at the end of the course: BAC +3
- ✓ Accessibility: File study

## Major: Finance, Accounting, Marketing

Area of specialization	➤ Marketing
	➤ Finance and accounting

### 1.B.3. Master degree in Economics and Management Sciences

- ✓ Duration of training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: File study

#### Major: Management Sciences

Area of specialization	➤ Management Sciences
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#### Major: Economics

Area of specialization	➤ Mathematical economics
	➤ Currency finance bank
	➤ Public Economy and Human Resources (EPRH)

### 1.B.4. Professional Master degree in Economics and Management Sciences

- ✓ Duration of training: 4 semesters
- ✓ Diploma level at entry: Bachelor degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: File study

#### Major: Finance, Accounting, Marketing

Area of specialization	➤ Tax accounting and tax accounting
	➤ Stock market insurance bank
	➤ Accounting, control, audit
	➤ Business Administration
	➤ Marketing

### 1.B.5. PhD in Economics and Management Sciences

- ✓ Duration of training: 6 semesters
- ✓ Diploma level at entry: Master degree
- ✓ Diploma level validated at the end of the course: BAC + 8
- ✓ Accessibility: File study

#### Major: Economics

Area of specialization	➤ Financial macroeconomics and monetary economics
	➤ Economics of the environment, agriculture and natural resources
	➤ Public Economy and Welfare
	➤ Accounting and organizational finance
	➤ Marketing and strategic environment

#### Major: Management Sciences

Area of specialization	➤ Accounting and organizational finance
	➤ Marketing and strategic environment

## 1.C. Law and Political Sciences

### 1.C.1. CAPACITE in Law

- ✓ Duration of training: 4 semesters
- ✓ Diploma level at the entrance: BEPC or equivalent
- ✓ Diploma level validated at the end of the course: CAPACITE

- ✓ Accessibility: Competitive Entrance Examination

#### Major: Law

Area of specialization	➤ Law
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### 1.C.2. Academic Bachelor degree in Law and Political Sciences

- ✓ Duration of training: 6 semesters
- ✓ Diploma level at entry: BAC, GCE or equivalent
- ✓ Diploma level validated at the end of the course: BAC +3
- ✓ Accessibility: File study

#### Major: Law and Political Science

Area of specialization	➤ Public law
	➤ Private Law and Criminal Sciences
	➤ Political science

#### Major: English Law

Area of specialization	➤ Common Law
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### 1.C.3. Professional Bachelor degree in Law and Political Sciences

- ✓ Duration of training: 2 semesters
- ✓ Diploma level at entry: BAC, GCE or equivalent
- ✓ Diploma level validated at the end of the course: BAC +3
- ✓ Accessibility: File study

#### Major: Law and Political Science

Area of specialization	➤ Legal engineering of decentralized authorities
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### 1.C.4. Master degree in Law and Political Sciences

- ✓ Duration of training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: File study

#### Major: Private Law and Criminal Sciences

Area of specialization	➤ Business and Corporate Law
	➤ Law and Judicial Careers
	➤ Community and Comparative Law CEMAC

#### Major: Public Law

Area of specialization	➤ Public Law
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#### Major: Political Science

Area of specialization	➤ Political Science
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#### Major: English Law

Area of specialization	➤ International trade and investment law in Africa
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### 1.C.5. Professional Master degree in Law and Political Sciences

- ✓ Duration of training: 4 semesters
- ✓ Diploma level at entry: Bachelor degree

✓ Diploma level validated at the end of the course: BAC + 5

✓ Accessibility: File study

#### Major: Political Science

Area of specialization	➤ Local governance, decentralization and development
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#### Major: Public law

Area of specialization	➤ Law, Administrative, financial and customs litigation practices
	➤ Human rights, international criminal law and international humanitarian law

#### Major: Private Law

Area of specialization	➤ Land and State Law and Techniques
	➤ Insurance law, practices and litigation

### 1.C.6. PhD in Law and Political Sciences

✓ Duration of training: 6 semesters

✓ Diploma level at entry: Master's degree in Research

✓ Diploma level validated at the end of the course: BAC + 8

✓ Accessibility: File study

#### Major: Public law

Area of specialization	➤ Local Public Law
	➤ International Public Law

#### Major: Private Law

Area of specialization	➤ Basic Private Law
	➤ Business Law in Africa
	➤ Criminal Sciences

#### Major: English Law

Area of specialization	➤ English Private Law
	➤ Business Law

#### Major: Political Science

Area of specialization	➤ International Relations
	➤ Political sociology

### 1.D. Science and Technology

#### 1.D.1. Academic Bachelor degree in Science and Technology

✓ Duration of training: 6 semesters

✓ Diploma level at entry: BAC, GCE or equivalent

✓ Diploma level validated at the end of the course: BAC +3

✓ Accessibility: File study

#### Major: Biochemistry

Area of specialization	➤ Clinical Biochemistry
	➤ Biochemistry and Food Technology
	➤ Pharmacology

#### Major: Animal biology

Area of specialization	➤ Zoology
	➤ Animal Physiology

### Major: Plant biology

Area of specialization	➤ Biology
	➤ Plant Physiology

### Major: Chemistry

Area of specialization	➤ Organic Chemistry
	➤ Inorganic Chemistry

### Major: Mathematics - Computer Science

Area of specialization	➤ Applied Mathematics
	➤ Basic Computing

### Major: Physics

Area of specialization	➤ Mechanics - Energy
	➤ Electronics - Electrical engineering
	➤ Condensed Material

### Major: Earth Sciences

Area of specialization	➤ Geotechnics and Materials Valuation
	➤ Hydrology and Natural Resources Management

## 1.D.2. Professional Bachelor degree in Science and Technology

- ✓ Duration of training: 2 semesters
- ✓ Diploma level at the entrance: Bac +2
- ✓ Diploma level validated at the end of the course: BAC +3
- ✓ Accessibility: File study

### Major: Applied Geology and Mining

Area of specialization	➤ Applied Geology
	➤ Mining and Petroleum

## 1.D.3. Master degree in Science and Technology

- ✓ Duration of training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: File study

### Major: Biochemistry

Area of specialization	➤ Nutrition and food security
	➤ Pharmacology
	➤ Clinical Biochemistry

### Major: Animal biology

Area of specialization	➤ Animal Physiology
	➤ Parasitology
	➤ Ecology and Wildlife Management

### Major: Plant biology

Area of specialization	➤ Plant Physiology and Biotechnology
	➤ Systematic and Plant Ecology



### Major: Mathematics - Computer Science

Area of specialization	➤ Mathematics: Analysis
	➤ Mathematics: Algebra
	➤ IT: Networks and Distributed Services

### Major: Physics

Area of specialization	➤ Mechanics - Energy
	➤ Electronics - Electrical engineering
	➤ Condensed Material

### Major: Earth Sciences

Area of specialization	➤ Geotechnics and Materials Valuation
	➤ Hydrology and Natural Resources Management

## 1.D.4. Professional Master degree in Science and Technology

- ✓ Duration of training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree, Professional degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: File study

### Major: Engineering Sciences

Area of specialization	➤ Urban Sanitation
	➤ Public Health Nutrition, Dietetics and Nutrition Education

### Major: Applied Geology and Mining

Area of specialization	➤ Applied Geology
	➤ Mining and Petroleum

## 1.D.5. PhD in Science and Technology

- ✓ Duration of training: 6 semesters
- ✓ Diploma level at entry: Master's degree in Research
- ✓ Diploma level validated at the end of the course: BAC + 8
- ✓ Accessibility: File study

### Major: Biochemistry

Area of specialization	➤ Pharmacology
	➤ Clinical Biochemistry

### Major: Animal biology

Area of specialization	➤ Animal Physiology
	➤ Parasitology
	➤ Ecology and Wildlife Management

### Major: Plant biology

Area of specialization	➤ Plant Physiology and Biotechnology
	➤ Systematic and Plant Ecology

### Major: Mathematics - Computer Science

Area of specialization	➤ Mathematics: Analysis
	➤ Mathematics: Algebra
	➤ IT: Networks and Distributed Services

## Major: Physics

Area of specialization	➤ Mechanics - Energy
	➤ Electronics - Electrical engineering
	➤ Condensed Material

## Major: Earth Sciences

Area of specialization	➤ Geotechnics and Materials Valuation
	➤ Hydrology and Natural Resources Management

## 1.E. Agronomy and Agricultural Sciences

### 1.E.1. Agronomy and Agricultural Sciences

- ✓ Duration of training: 6 semesters
- ✓ Diploma level at entry: BAC, GCE or equivalent
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: Competitive Entrance Examination

## Major: Agronomy

Area of specialization	➤ Rural Engineering
	➤ Rural Economy and Sociology
	➤ Animal Productions
	➤ Vegetable Productions

## Major: Forestry

Area of specialization	➤ Forestry
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## Major: Wood, Water and Environment Professions

Area of specialization	➤ Wood exploitation and processing
	➤ Production and distribution of drinking water and sanitation
	➤ Aquaculture and Bio-fisheries Resources
	➤ Environment and industrial risks

### 1.E.2. Professional Bachelor degree in Agronomy and Agricultural Sciences

- ✓ Duration of training: 2 semesters
- ✓ Diploma level at entry: BAC + 2 or equivalent
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: File study

## Major: Agronomy

Area of specialization	➤ Rural Engineering
	➤ Animal Productions
	➤ Plant production

## Major: Forestry

Area of specialization	➤ Forestry
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### 1.E.3. Master degree in Agronomy and Agricultural Sciences

- ✓ Duration of training: 4 semesters
- ✓ Diploma level at entry: Bachelor degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: File study

### Major: Agronomy

Area of specialization	➤ Integrated Rural Development
	➤ Energy and Agricultural Machinery
	➤ Water management
	➤ Biotechnology and Animal Productions / Genetics and Production System
	➤ Biotechnology and Plant Production/Phytotechnics
	➤ Biotechnology and Animal Production/Animal Nutrition and Food
	➤ Biotechnology and Animal Production/Animal Physiology and Health
	➤ Biotechnology and Plant Production/Plant Protection
	➤ Biotechnology and Animal Production/Aquaculture

### Major: Forestry

Area of specialization	➤ Environmental Management/Natural Resources Management
	➤ Agroforestry and optimization of ecosystem services in natural agricultural areas (AGROFOPSE-BC): Ecological Intensification option
	➤ Agroforestry and optimization of ecosystem services in natural agricultural areas (AGROFOPSE-BC) : option Environmental Services
	➤ Forest and Agroforestry Ecosystem Management
	➤ Forest governance

## 1.E.4. Professional Master degree in Agronomy and Agricultural Sciences

- ✓ Duration of training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree, Professional degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: File study

### Major: Agronomy

Area of specialization	➤ Rural Economy and Sociology
	➤ Rural Engineering
	➤ Animal Productions
	➤ Standard and Quality Control/Animal Production
	➤ Vegetable Productions
	➤ Production and processing of rice and other tropical field crops
	➤ Standard and Quality Control/Plant Production
	➤ Standard and Quality Control/Food Technology

### Major: Forestry

Area of specialization	➤ Standard and quality control/forestry
	➤ Forestry and Agroforestry

### Major: Wildlife

Area of specialization	➤ Aquatic and Terrestrial Fauna
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### Major: Wood, Water and Environment Professions

Area of specialization	➤ Aquaculture and fisheries resource management
	➤ Environment and industrial risks
	➤ Drinking water production and sanitation
	➤ Wood exploitation and processing

### Major: Industrial valorisation of wood

Area of specialization	➤ Industrial valorisation of wood
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### Major: Development and participatory management of forest resources

Area of specialization	➤ Participatory management and development of forest resources
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### Major: Environmental impact studies

Area of specialization	➤ Environmental impact studies
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### Major: Environment and conservation measures

Area of specialization	➤ Economics and environmental management
	➤ Environmental assessment and land use planning

### Major: Forestry, Environment

Area of specialization	➤ Forest audit and certification
	➤ Valuation of medicinal and aromatic plants
	➤ Climate change and REDD

## 1.E.5. PhD in Agronomy and Agricultural Sciences

- ✓ Duration of training: 6 semesters
- ✓ Diploma level at entry: Master's degree in Research
- ✓ Diploma level validated at the end of the course: BAC + 8
- ✓ Accessibility: File study

### Major: Agronomy

Area of specialization	➤ Biotechnology and crop production/plant protection
	➤ Biotechnology and crop production/Phytotechnics
	➤ Biotechnology and crop production/Soil science
	➤ Biotechnology and animal production/Animal physiology and health
	➤ Biotechnology and animal production/Animal nutrition and feeding
	➤ Biotechnology and animal production/Genetics and production systems
	➤ Biotechnology and animal production/Aquaculture
	➤ Integrated rural development
	➤ Water management
	➤ Agricultural machinery

### Major: Forestry

Area of specialization	➤ Environmental management/Natural resources management
	➤ AGROFOPSE-BC
	➤ Forest and Agroforestry Ecosystem Management
	➤ Forest governance

## Section 2.

### *Diplomas from Technical and Technological Institutions*

#### 2.A. Engineering Sciences

##### 2.A.1. University Diploma of Technology (DUT) in Science and Technology

- ✓ Duration of training: 4 semesters
- ✓ Diploma level at entry: BAC C, D, E, E, F, MAV, MEM, GCE/AL or equivalent
- ✓ Diploma level validated at the end of the course: BAC +2
- ✓ Accessibility: Competitive Entrance Examination & File study

##### Major: Industrial and Production Maintenance

Area of specialization	➤ Industrial and Productive Maintenance
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##### Major: Computer Engineering

Area of specialization	➤ Software Engineering
	➤ IT and Network Services

##### Major: Telecommunications and Network Engineering

Area of specialization	➤ Telecommunications and Network Engineering
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##### Major: Civil engineering

Area of specialization	➤ Civil engineering
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##### Major: Electrical Engineering

Area of specialization	➤ Automation and Industrial Computing
	➤ Electrical engineering

##### Major: Thermal Engineering Energy and Environment

Area of specialization	➤ Thermal Engineering Energy and Environment
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##### Major: Mechatronics Automotive

Area of specialization	➤ Mechatronics Automotive
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##### Major: Business and Administration Management

Area of specialization	➤ Business and Administration Management
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##### 2.A.2. Certificate of Higher Technician (BTS) in Science and Technology

- ✓ Duration of training: 4 semesters
- ✓ Diploma level at entry: Baccalaureate all series, GCE/AL or equivalent
- ✓ Diploma level validated at the end of the course: BAC +2
- ✓ Accessibility: Competitive Entrance Examination + File study

##### Major: Marketing, Commerce, Sales

Area of specialization	➤ Marketing, Commerce, Sales
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##### Major: Banking and Finance

Area of specialization	➤ Banking and Finance
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##### Major: Accounting and business management

Area of specialization	➤ Accounting and business management
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##### Major: Maintenance of Electronic Systems

Area of specialization	➤ Electronic Systems Maintenance
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##### Major: Electrical engineering

Area of specialization	➤ Electrical engineering
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#### Major: Civil engineering

Area of specialization	➤ Building
	➤ Public Works

#### Major: Assistant Manager

Area of specialization	➤ Assistant Manager
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#### Major: Cooling and Air conditioning

Area of specialization	➤ Cooling and Air Conditioning
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#### Major: Territorial Community

Area of specialization	➤ Territorial Community
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### 2.A.3. Bachelor of Technology in Science and Technology

- ✓ Duration of training: 2 semesters
- ✓ Diploma level at entry: Bachelor's degree, GCE/AL in science or equivalent+2 years
- ✓ Diploma level validated at the end of the course: BAC +3
- ✓ Accessibility: Written Competitive Entrance Examination & File study

#### Major: Computer science and networks

Area of specialization	➤ Internet network developer designer
	➤ Quality, Security, IT and Networks

#### Major: Civil engineering

Area of specialization	➤ Building
	➤ Public Works

#### Major: Industrial and Productive Maintenance (MIP)

Area of specialization	➤ Industrial and Productive Maintenance
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#### Major: Network and telecommunications engineering

Area of specialization	➤ Network and telecommunications engineering
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#### Major: Electrical engineering

Area of specialization	➤ Electrical engineering
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#### Major: Management and maintenance of energy installations

Area of specialization	➤ Management and maintenance of energy installations
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#### Major: Geomatics Engineering

Area of specialization	➤ Geomatics Engineering
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#### Major: Mechatronics Automotive

Area of specialization	➤ After-Sales Service in Automotive Diagnostics Electronics
	➤ Recycling and Construction

### 2.A.4. Professional Bachelor degree in Science and Technology

- ✓ Duration of training: 2 semesters
- ✓ Diploma level at entry: Bachelor's degree, GCE/AL in science or equivalent +2 years
- ✓ Diploma level validated at the end of the course: BAC +3
- ✓ Accessibility: Written Competitive Entrance Examination & File study

### Major: Accounting and financial management

Area of specialization	➤ Accounting and financial management
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### Major: Management and management of organizations

Area of specialization	➤ Organizational management and management
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### Major: Marketing Operational Manager

Area of specialization	➤ Marketing Operational Manager
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### Major: Bank, manager and customer relations

Area of specialization	➤ Banking, management and customer relations
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### Major: Digital Marketing

Course	➤ Digital Marketing
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### Major: Architecture and Engineering Arts

Area of specialization	➤ Architecture and Engineering Arts
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### Major: Fashion Design, Model Making and Textile Arts

Area of specialization	➤ Fashion Design, Model Making and Textile Arts
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### Major: Performing Arts and Cinematography

Area of specialization	➤ Entertainment and Cinematography
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### Major: Plastic Arts and Art History

Area of specialization	➤ Plastic Arts and Art History
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### Major: Arts, Technology and Heritage

Area of specialization	➤ Technology, Heritage and Museology
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## 2.A.5. Professional Master degree in Science and Technology

- ✓ Duration of training: 4 semesters
- ✓ Diploma level at entry: Professional Licence
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: File study

### Major: Architecture and Engineering Arts

Area of specialization	➤ Architecture and Engineering Arts
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### Major: Fashion Design, Model Making and Textile Arts

Area of specialization	➤ Fashion Design, Model Making and Textile Arts
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### Major: Performing Arts and Cinematography

Area of specialization	➤ Cinema and Audiovisual
	➤ Theatre Production
	➤ Dance and choreography
	➤ Musical and sound creation

### Major: Plastic Arts and Art History

Area of specialization	➤ Painting drawing
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### Major: Arts, Technology and Heritage

Area of specialization	➤ Arts Technology Technology
	➤ Heritage and Cultural Resources Management

## University of MAROUA

The University of Maroua has two institutions offering training opportunities in the field of Arts, Letters and Human Sciences, one in Economics and Management, one in Law and Political Science, and three in the field of Science and Technology.

**Table 4.1: Distribution of institutions of the UMa by field of study**

Field of study	Faculties	Schools
Arts, Letters and Human Sciences (ALHS)	FLSH	ENS
Economic and Management Sciences (EMS)	FSEG	
Law and Political Sciences (LPS)	FSJP	
Science and Technology (ST)	FS	ENSPM, FMIP

Table 5.2 shows that approximately 59% of the certificates' specialities are awarded in the field of Science and Technology, while 32.23% belong to the field of in Arts, Letters and Human Sciences. The strong predominance of these training fields of could be explained by the fact that they concentrate respectively about 43% and 28% of the schools or faculties of the University of Maroua. Table 5.2 also shows that approximately 37.50% of the Bachelor degrees are professional type, while only 14.29% of Master degrees are professional.

**Tableau 5.2: Distribution of certificates issued by training field at UMa.**

Nom du diplôme	ALHS	EMS	ST	LPS	Total
Academic Bachelor Degree	12	2	9	2	25
Professional Bachelor Degree	4	3	8	0	15
Academic Master Degree	12	2	24	4	42
Professional Master Degree	3	0	1	3	7
PhD	12	2	26	3	43
CAPACITE	0	0	0	1	1
Technician	0	0	1	0	1
Senior Technician	0	0	16	0	16
Deputy Engineer	0	0	18	0	18
Engineer	0	0	39	0	39
Secondary School Teacher's Certificate Grade 1 (DIPES I)	15	0	0	0	15
Secondary School Teacher's Certificate Grade 2 (DIPES II)	15	0	0	0	15
Teacher Training College Tutor's Postgraduate Diploma Grade 1 (DIPEN I)	1	0	0	0	1
Teacher Training College Tutor's Postgraduate Diploma Grade 2 (DIPEN II)	1	0	0	0	1
Guidance Counsellor's Diploma (DIPCO)	1	0	0	0	1
CERTIFICAT	2	0	0	0	2
<b>Total</b>	<b>78</b>	<b>9</b>	<b>142</b>	<b>13</b>	<b>242</b>

## Section 1:

### Certificates issued by Classical Faculties

#### 1.A. Arts, Letters and Human Sciences



### 1.A.1. Academic Bachelor degree in Arts, Letters and Human Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: BAC, GCE AL or equivalent
- ✓ Diploma level validated at the end of the course: BAC +3
- ✓ Accessibility: File study

#### Major : History

Area of specialization	➤ History
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#### Major : Geography

Area of specialization	➤ Geography
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#### Major : Bilingual letters

Area of specialization	➤ Bilingual letters
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#### Major : Philosophy and psychology

Area of specialization	➤ Philosophy
	➤ Psychology

#### Major : Sociology

Area of specialization	➤ Sociology
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#### Major : Modern French literature

Area of specialization	➤ Modern French literature
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#### Major : Anthropology

Course	➤ Anthropology
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#### Major : Foreign languages

Area of specialization	➤ German
	➤ Spanish language
	➤ Arabic
	➤ Chinese

### 1.A.2. Professional Bachelor degree in Arts, Letters and Human Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: BAC, GCE AL or equivalent
- ✓ Diploma level validated at the end of the course: BAC +3
- ✓ Accessibility: File study

#### Major : Philosophy and psychology

Area of specialization	➤ Psycho-pedagogy and special education
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#### Major : Bilingual letters

Area of specialization	➤ Translation
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#### Major : Geography

Area of specialization	➤ Decentralization, local and developing territory
	➤ Risk and disaster assessment and management

### 1.A.3. Master degree in Arts, Letters and Human Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor degree
- ✓ Diploma level validated at the end of the course: BAC +5
- ✓ Accessibility: File study

#### Major : History

Area of specialization	➤ History
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#### Major: Geography

Area of specialization	➤ Geography
------------------------	-------------

#### Major: Bilingual letters

Area of specialization	➤ Bilingual letters
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#### Major: Philosophy and psychology

Area of specialization	➤ Philosophy
	➤ Psychology

#### Major: Sociology

Area of specialization	➤ Sociology
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#### Major: Modern French literature

Area of specialization	➤ Modern French literature
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#### Major: Anthropology

Area of specialization	➤ Anthropology
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#### Major: Foreign languages

Area of specialization	➤ German
	➤ Spanish language
	➤ Arabic
	➤ Chinese

### 1.A.4. PhD in Arts, Letters and Human Sciences

- ✓ Duration of the training : 6 semesters
- ✓ Diploma level at entry: Master degree
- ✓ Diploma level validated at the end of the course: BAC +8
- ✓ Accessibility: File study

#### Major : History

Area of specialization	➤ History
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#### Major : Geography

Area of specialization	➤ Geography
------------------------	-------------

#### Major : Bilingual letters

Area of specialization	➤ Bilingual letters
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#### Major : Philosophy and psychology

Area of specialization	➤ Philosophy
	➤ Psychology

#### Major : Sociology

Area of specialization	➤ Sociology
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#### Major : Modern French literature

Area of specialization	➤ Modern French literature
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## Major : Anthropology

Area of specialization	➤ Anthropology
------------------------	----------------

## Major : Foreign languages

Area of specialization	➤ German
	➤ Spanish language
	➤ Arabic
	➤ Chinese

## 1.B. Economics and Management Sciences

### 1.B.1. Academic Bachelor degree in Economics and Management Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: BAC, GCE AL or equivalent
- ✓ Diploma level validated at the end of the course: BAC +3
- ✓ Accessibility: File study

## Major: Economic and Management Sciences

Area of specialization	➤ Economic Sciences
	➤ Management Sciences

### 1.B.2 Professional Bachelor degree in Economics and Management Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: BAC, GCE or equivalent
- ✓ Diploma level validated at the end of the course: BAC +3
- ✓ Accessibility: File study

## Major: Accounting and Finance

Area of specialization	➤ Accounting and Finance
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## Major: Marketing, Sales and Marketing

Area of specialization	➤ Marketing, Sales and Marketing
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## Major: Entrepreneurship, Business Creation and Management of SMEs

Area of specialization	➤ Entrepreneurship, Business Creation and Management of SMEs
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## 1.B.3 Master degree in Economic and Management Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor degree
- ✓ Diploma level validated at the end of the course: BAC +5
- ✓ Accessibility: File study

## Major: Economic Sciences

Area of specialization	➤ Applied Economics
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## Major: Management Sciences

Area of specialization	➤ Organizational Management
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### 1.B.4. PhD in Economics and Management Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: Master degree

- ✓ Diploma level validated at the end of the course: BAC +8
- ✓ Accessibility: File study

#### Major: Economic Sciences

Area of specialization	➤ Economic Sciences
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#### Major: Management Sciences

Area of specialization	➤ Organizational Management
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### 1.C. Law and Political Sciences

#### 1.C.1. CAPACITE

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: PROBATOIRE or equivalent
- ✓ Diploma level validated at the end of the course: BAC
- ✓ Accessibility: Competitive Entrance Examination

#### Major: Law

Area of specialization	➤ Law
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#### 1.C.2. Academic Bachelor degree in Law and Political Sciences

- ✓ Duration of the training: 3 semesters
- ✓ Diploma level at the entrance: BAC, GCE AL or equivalent
- ✓ Diploma level validated at the end of the course: BAC+3
- ✓ Accessibility: File study

#### Major: Public Law

Area of specialization	➤ Public Law
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#### Major: Private Law

Area of specialization	➤ Private Law
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#### Major: Political Science

Area of specialization	➤ Political Science
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#### 1.C.3 Master degree in Law and Political Sciences

- ✓ Duration of the training: 3 semesters
- ✓ Diploma level at the entrance: BAC, GCE AL or equivalent
- ✓ Diploma level validated at the end of the course: BAC+3
- ✓ Accessibility: File study

#### Major: Public Law

Area of specialization	➤ Public Law
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#### Major: Private Law

Area of specialization	➤ Basic Private Law
	➤ Business Law

#### Major: Political Science

Area of specialization	➤ Political Science
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### 1.C.4 Professional Master degree in Law and Political Sciences

- ✓ Duration of the training: 3 semesters
- ✓ Diploma level at the entrance: BAC, GCE or equivalent
- ✓ Diploma level validated at the end of the course: BAC+3
- ✓ Accessibility: File study

#### Major: Public Law

Area of specialization	➤ Public Action Management
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#### Major: Private Law

Area of specialization	➤ Legal and judicial professions
	➤ Corporate Lawyers

### 1.C.5. PhD in Law and Political Sciences

- ✓ Duration of the training: 3 semesters
- ✓ Diploma level at entry: Master's degree in Research
- ✓ Diploma level validated at the end of the course: BAC+8
- ✓ Accessibility: File study

#### Major: Public Law

Area of specialization	➤ Public Law
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#### Major: Private Law

Course	➤ Private Law
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#### Major: Political Science

Area of specialization	➤ Political Science
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## 1.D. Science and Technology

### 1.D.1. Academic Bachelor degree in Science and Technology

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: BAC or equivalent
- ✓ Diploma level validated at the end of the course: BAC+3
- ✓ Accessibility: File study

#### Major: Mathematics

Area of specialization	➤ Mathematics
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#### Major: Computer science

Area of specialization	➤ Information technology
	➤ Management Information Systems

#### Major: Chemistry

Area of specialization	➤ Chemistry
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#### Major: Physics

Area of specialization	➤ Physical
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### Major: Biological Sciences

Area of specialization	➤ Animal Biology
	➤ Plant Biology
	➤ Biochemistry

### Major: Earth Sciences

Area of specialization	➤ Earth Science
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## 1.D.2 Professional degree in Science and Technology

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: BAC or equivalent
- ✓ Diploma level validated at the end of the course: BAC+3
- ✓ Accessibility: File study

### Major: Mathematics

Area of specialization	➤ Didactics of Mathematics
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### Major: Biological Sciences

Area of specialization	➤ Biochemical and Biological Analysis
	➤ Neuro psychomotricity

### Major: Functional Rehabilitation Sciences

Area of specialization	➤ Kinesiology
	➤ Orthopaedics
	➤ Neuro-psychomotricity
	➤ Social rehabilitation and occupational therapy

## 1.D.3 Master degree in Science and Technology

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: BAC or equivalent
- ✓ Diploma level validated at the end of the course: BAC+3
- ✓ Accessibility: File study

### Major: Mathematics

Area of specialization	➤ Algebra
	➤ Geometry
	➤ Analysis, Numerical analysis
	➤ Statistics, Game Theory
	➤ Didactics of Mathematics

### Major: Computer science

Area of specialization	➤ Network and systems engineering
	➤ Semantic Web and Data Analysis
	➤ Software engineering

### Major: Physics

Area of specialization	➤ Materials Science
	➤ Nuclear Physics
	➤ Molecular Atomic Physics
	➤ Complex systems
	➤ Electronics
	➤ Renewable energy

### Major: Biological Sciences

Area of specialization	➤ Plant biology
	➤ Biochemistry
	➤ Applied Zoology
	➤ Animal physiology and pharmacology

### Major: Earth Sciences

Area of specialization	➤ Lithospheric transfers and mineral resources
	➤ Geo-environment of surfaces and sub-surfaces

## 1.D.4. PhD in Science and Technology

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: Master's degree in Research
- ✓ Diploma level validated at the end of the course: BAC+8
- ✓ Accessibility: File study

### Major: Mathematics

Area of specialization	➤ Algebra
	➤ Geometry
	➤ Analysis, Numerical analysis
	➤ Statistics, Game Theory

### Major: Computer science

Area of specialization	➤ Network and systems engineering
	➤ Semantic Web and Data Analysis
	➤ Software engineering

### Major: Chemistry

Area of specialization	➤ Organic chemistry
	➤ Inorganic Chemistry

### Major: Physics

Area of specialization	➤ Materials Science
	➤ Nuclear Physics
	➤ Molecular Atomic Physics
	➤ Complex systems
	➤ Electronics
	➤ Renewable energy

### Major: Plant biology

Area of specialization	➤ Botany and ecology
	➤ Plant Biotechnology

## Major: Biochemistry

### Major: Zoology

Area of specialization	➤ Ecology and Conservation
	➤ Applied Entomology
	➤ Parasitology

### Major: Biological Sciences

Area of specialization	➤ Animal physiology and pharmacology
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### Major: Earth Sciences

Area of specialization	➤ Lithospheric transfers and mineral resources
	➤ Geo-environment of surfaces and sub-surfaces

## Section 2.

### Diplomas from Technical and Technological Institutions

#### 2.A. Science and Technology

##### 2.A.1. Technician in Science and Technology

- ✓ Duration of the training: 2 semesters
- ✓ Diploma level at entry: BAC or equivalent
- ✓ Diploma level validated at the end of the course: BAC+1
- ✓ Accessibility: Competitive Entrance Examination

### Major: Meteorology, Climatology, Hydrology and Pedology

Area of specialization	➤ Meteorology
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##### 2.A.2. Senior Technician in Science and Technology

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: BAC or equivalent
- ✓ Diploma level validated at the end of the course: BAC+3
- ✓ Accessibility: Competitive Entrance Examination

### Major: Meteorology, Climatology, Hydrology and Pedology

Area of specialization	➤ Meteorology
	➤ Climatology
	➤ Hydrology
	➤ Pedology

### Major: Renewable Energies

Area of specialization	➤ Solar energy
	➤ Wind Energy
	➤ Biomass

### Major: Textile and Leather Engineering

Area of specialization	➤ Textile
	➤ Leather

### Major: Hydraulics and Water Control

Area of specialization	➤ Sanitary and Environmental Engineering
	➤ Hydraulic Engineering



## Major: Computer Science and Telecommunications

Area of specialization	➤ Security and Network Administration
	➤ Management Information Systems, Programmer Analyst
	➤ Telecommunications

## Major: Environmental Sciences

Area of specialization	➤ Environmental Engineering
	➤ Environmental Education

## 2.A.3. Deputy Engineer in Science and Technology

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: BAC or equivalent
- ✓ Diploma level validated at the end of the course: BAC+3
- ✓ Accessibility: Competitive Entrance Examination

## Major: Agriculture, Livestock and Derivatives Products

Area of specialization	➤ Agri-food industry
	➤ Agro-Economy and Business Management
	➤ Animal Production and Aquaculture
	➤ Plant Production

## Major: Fine Arts and Heritage Sciences

Area of specialization	➤ Design and Model Making
	➤ Tourism and tourism
	➤ Performing Arts

## Major: Civil Engineering and Architecture

Area of specialization	➤ Materials, Architecture and Housing Processing
	➤ Civil Engineering
	➤ Materials

## Major: Mines and Quarries

Course	➤ Mines and Quarries
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## Major: Oil and Gas Exploration

Area of specialization	➤ Oil and Gas Exploration
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## Major: Refining and Petrochemicals

Area of specialization	➤ Refining and Petrochemicals
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## Major: Industrial Safety, Quality and Environment

Area of specialization	➤ Industrial Safety, Quality and Environment
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## Major: Economics and Oil and Gas Management

Area of specialization	➤ Oil and Gas Economics and Management
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## Major: Mechanical and Electrical Engineering

Area of specialization	➤ Fragmentation
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## Major: Oil and Gas Production

Area of specialization	➤ Oil and Gas Production
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## Major: Transport and Storage of Oil and Gas

Area of specialization	➤ Transport and Storage of Oil and Gas
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### 2.A.4. Professional Bachelor degree in Science and Technology

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: BAC or equivalent
- ✓ Diploma level validated at the end of the course: BAC+3
- ✓ Accessibility: Competitive Entrance Examination

## Major: Environmental Sciences

Area of specialization	➤ Protected areas
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### 2.A.5 Engineer in Science and Technology

- ✓ Duration of the training: 10 semesters
- ✓ Diploma level at entry: BAC or equivalent
- ✓ Diploma level validated at the end of the course: BAC+5
- ✓ Accessibility: Competitive Entrance Examination

## Major: Agriculture, Livestock and Derivatives Products

Area of specialization	➤ Agri-food industry
	➤ Agro-Economy and Business Management
	➤ Animal Production and Aquaculture
	➤ Plant Production

## Major: Fine Arts and Heritage Sciences

Area of specialization	➤ Design and Model Making
	➤ Tourism and tourism
	➤ Performing Arts

## Major: Renewable Energies

Area of specialization	➤ Solar energy
	➤ Wind Energy
	➤ Biomass

## Major: Textile and Leather Engineering

Area of specialization	➤ Textile
	➤ Leather

## Major: Hydraulics and Water Control

Area of specialization	➤ Sanitary and Environmental Engineering
	➤ Hydraulic Engineering

## Major: Computer Science and Telecommunications

Area of specialization	➤ Software Engineering
	➤ Networks
	➤ Cryptography
	➤ Telecommunications

## Major: Environmental Sciences

Area of specialization	➤ Desertification and Natural Resources
	➤ Waste and Pollution

### Major: Civil Engineering and Architecture

Area of specialization	➤ Materials
	➤ Civil Engineering
	➤ Architecture

### Major: Social Sciences for Development

Area of specialization	➤ Management of Development Organisations and Enterprises
	➤ Population and Conflict Resolution
	➤ Administrative Management of Reforms and Decentralization

### Major: Mines and Quarries

Area of specialization	➤ Mines
	➤ Careers

### Major: Oil and Gas Exploration

Area of specialization	➤ Geology
	➤ Geophysics
	➤ Drilling

### Major: Refining and Petrochemicals

Area of specialization	➤ Refining and Petrochemicals
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### Major: Industrial Safety, Quality and Environment

Area of specialization	➤ Industrial Safety, Quality and Environment
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### Major: Economics and Oil and Gas Management

Area of specialization	➤ Economy
	➤ Management

### Major: Mechanical and Electrical Engineering

Area of specialization	➤ Conception Off-shore/On-shore
	➤ Processes

### Major: Oil and Gas Production

Area of specialization	➤ Production
	➤ Tank

### Major: Transport and Storage of Oil and Gas

Area of specialization	➤ Transport and Storage of Oil and Gas
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## 2.A.6. Master degree in Science and Technology

- ✓ Duration of the training: 2 semesters
- ✓ Diploma level at entry: Design engineer
- ✓ Diploma level validated at the end of the course: BAC+6
- ✓ Accessibility: File study

### Major: Engineering Sciences

Area of specialization	➤ Agronomic Sciences
	➤ Energy and Environment
	➤ Mechanical Hydraulics and Civil Engineering
	➤ Information Technology and Telecommunications

## 2.A.7. Master degree in Science and Technology

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Professional degree

- ✓ Diploma level validated at the end of the course: BAC+7
- ✓ Accessibility: File study

#### Major: Environmental Sciences

Area of specialization	➤ Protected areas
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### 2.A.8. PhD in Science and Technology

- ✓ Duration of the training: 2 semesters
- ✓ Diploma level at entry: Design engineer
- ✓ Diploma level validated at the end of the course: BAC+6
- ✓ Accessibility: File study

#### Major: Environmental Sciences

Area of specialization	➤ Protected areas
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## Section 3.

### Certificates issued by Vocational Institutions

#### 3.A. Arts, Letters, and Human Sciences

##### 3.A.1. Secondary School Teacher's Certificate Grade 1 (DIPES I)

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: BAC or GCE
- ✓ Diploma level validated at the end of the course: BAC+3
- ✓ Accessibility: Competitive Entrance Examination

#### Major: Foreign languages

Area of specialization	➤ German
	➤ Spanish language
	➤ Italian
	➤ Arabic
	➤ Chinese

#### Major: French language and French-speaking literature

Area of specialization	➤ French Language and French Literature
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#### Major: English Language and Literature of English Expression

Area of specialization	➤ English Language and Literature of English Expression
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#### Major: Bilingual Letters

Area of specialization	➤ Bilingual Letters
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#### Major: Chemistry

Area of specialization	➤ Chemistry
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#### Major: Geography

Area of specialization	➤ Geography
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#### Major: History and Citizenship Education

Area of specialization	➤ History and Citizenship Education
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#### Major: Computer science

Area of specialization	➤ Information technology
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### Major: Mathematics

Area of specialization	➤ Mathematics
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### Major: Physical Sciences

Area of specialization	➤ Physical Sciences
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### Major: Life and Earth Sciences

Area of specialization	➤ Life and Earth Sciences
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### 3.A.2. Teacher Training College Tutor's Postgraduate Diploma Grade 1 (DIPEN I)

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: BAC or GCE AL
- ✓ Diploma level validated at the end of the course: BAC+3
- ✓ Accessibility: Competitive Entrance Examination

### Major: Educational Sciences

Area of specialization	➤ Educational Sciences
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### 3.A.3. Teacher Training College Tutor's Postgraduate Diploma Grade 2 (DIPEN II)

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree or equivalent
- ✓ Diploma level validated at the end of the course: BAC+5
- ✓ Accessibility: Competitive Entrance Examination

### Major: Educational Sciences

Area of specialization	➤ Educational Sciences
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### 3.A.3. Guidance Counsellor's Diploma (DIPCO)

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree or equivalent
- ✓ Diploma level validated at the end of the course: BAC+5
- ✓ Accessibility: Competitive Entrance Examination

### Major: Guidance Counsellor

Area of specialization	➤ Guidance Counsellor
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### 3.A.3. Secondary School Teacher's Certificate Grade 2 (DIPES II)

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree or equivalent
- ✓ Diploma level validated at the end of the course: BAC+5
- ✓ Accessibility: Competitive Entrance Examination

### Major: Foreign languages

Area of specialization	➤ German
	➤ Spanish language
	➤ Arabic
	➤ Chinese

### Major: French language and French-speaking literature

Area of specialization	➤ French Language and French Literature
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### Major: English Language and Literature of English Expression

Area of specialization	➤ English Language and Literature of English Expression
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### Major: Bilingual Letters

Course	➤ Bilingual Letters
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### Major: Chemistry

Area of specialization	➤ Chemistry
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### Major: Geography

Area of specialization	➤ Geography
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### Major: Philosophy

Area of specialization	➤ Philosophy
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### Major: History

Area of specialization	➤ History
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### Major: Computer science

Area of specialization	➤ Information technology
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### Major: Mathematics

Area of specialization	➤ Mathematics
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### Major: Physical Sciences

Area of specialization	➤ Physical Sciences
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### Major: Life and Earth Sciences

Area of specialization	➤ Life and Earth Sciences
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### 3.A.4. Professional Master degree

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree, DIPEN II/ DIPCO/DIPES II or equivalent
- ✓ Diploma level validated at the end of the course: BAC+5
- ✓ Accessibility: File study

### Major: Educational Sciences

Area of specialization	➤ Educational Sciences
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### Major: Human and Social Sciences

Area of specialization	➤ Peace and security
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### Major: Geography/Education Sciences

Area of specialization	➤ Health and environmental education
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### 3.A.5. CERTIFICAT

- ✓ Duration of the training: 06 months
- ✓ Diploma level at entry: BEPC or equivalent / Professional diploma in education

- ✓ Diploma level validated at the end of the course:
- ✓ Accessibility: File study

#### Major: History

Area of specialization	➤ Peace and security
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#### Major: Digital pedagogy

Area of specialization	➤ Digital pedagogy
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## University of NGAOUNDERE

The University of NGaoundéré is a multidisciplinary university with twelve institutions, including six classical faculties and six technological and vocational institutions. Among the classical faculties we have: the Faculty of Arts, Letters and Human Sciences (FALSH), the Faculty of Education Sciences (FSE), the Faculty of Economics and Management Science (FSEG), the Faculty of Law and Political Sciences (FSJP), the Faculty of Sciences (FS) and the Faculty of Medicine and Biomedical Sciences of Garoua (FMSB). As far as technological and vocational institutions are concerned, table 6.1 shows we have: École Normale Supérieure des Sciences Agro-Industrielles (ENSAI), École des Sciences et de la Médecine Vétérinaire (ESMV), École de Géologie et d'Exploitation Minière (EGEM), Institut Universitaire de Technologie (IUT), École Normale Supérieure de Bertoua (ENS) and École de Génie chimique et d' Industrie Minérale (EGCIM).

**Table 6.1: Distribution of NGaoundéré University institutions by training area**

Field of Training	Faculties	Schools
Arts, Humanities and Social Sciences	FALSH, FSE	ENS
Economic and Management Sciences	FSEG	
Legal and Political Sciences	FSJP	
Science and Technology	FS	IUT, ENSAI, EGEM, EGCIM
Health Sciences	FMSB	ESMV

Table 6.2 shows that about 50% of certificates are awarded in Science and Technology, 30% in Arts, Letters and Human Sciences, around 18% in Economics and Management Sciences and less than 8% in Law and Political Sciences. Focusing on classical faculties, table 6.2 also reveals that these institutions offer a catalogue of specialities with a high rate of academic Bachelors and Masters. Indeed, Professional Bachelor and Master degrees represent only 26.67% and 15% respectively.

**Table 5.2: Distribution of certificates issued by training field at UMa.**

Certificate	ALHS	EMS	ST	LPS	Total
Academic Bachelor Degree	5	3	12	2	22
Professional Bachelor Degree	0	4	0	4	8
Academic Master Degree	9	7	22	5	43
Professional Master Degree	1	5	3	0	9
PhD	7	2	17	3	29
University Diploma of Technology (UDT)	0	0	8	0	8
Bachelor of Technology	0	0	9	0	9
Senior Technician	0	0	2	0	2
Deputy Engineer	0	0	3	0	3
Engineer	0	0	17	0	17
Secondary School Teacher's Certificate Grade 1 (DIPES I)	15	0	0	0	15
Secondary School Teacher's Certificate Grade 2 (DIPES II)	18	0	0	0	18
<b>Total</b>	<b>55</b>	<b>21</b>	<b>93</b>	<b>14</b>	<b>183</b>



## Section 1:

### Certificates issued by classical faculties

#### 1.A. Field: Arts, Humanities and Social Sciences

##### 1.A.1. Academic Bachelor degree in Arts, Letters and Human Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at the entrance: BAC A or equivalent
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: File study

##### Major: Geography

Area of specialization	➤ Geography
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##### Major: History

Area of specialization	➤ History
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##### Major: Literature and Language Science

Area of specialization	➤ Literature and Language Science
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##### Major: Arabic language and civilization

Area of specialization	➤ Arabic language and civilization
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##### Major: Sociology

Area of specialization	➤ Sociology
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##### 1.A.2. Master's degree in Arts, Letters and Human Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: File study

##### Major: Geography

Area of specialization	➤ Physical geography
	➤ Human Geography

##### Major: History

Area of specialization	➤ History of Politics and International Relations
	➤ Economic and social history
	➤ History of Civilizations and Archaeology

##### Major: Letters of French Expression

Area of specialization	➤ Literary Studies
	➤ Language Sciences

##### Major: Sociology

Area of specialization	➤ Urban and Rural Sociology
	➤ Sociology of Population and Development

##### 1.A.3 Professional Masters in Arts, Letters and Human Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: File study

##### Major: Geomatics, Planning and Resource Management

Area of specialization	➤ Geomatics, Resource Planning and Management
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#### 1.A.4. PhD in Arts, Letters and Human Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: Master's degree in Research
- ✓ Diploma level validated at the end of the course: BAC + 8
- ✓ Accessibility: File study

##### Major: Physical geography

Area of specialization	➤ Physical geography
	➤ Human Geography

##### Major: History

Area of specialization	➤ History of Politics and International Relations
	➤ Economic and social history
	➤ History of Civilizations and Archaeology

##### Major: Letters of French Expression

Area of specialization	➤ Literary Studies
	➤ Language Sciences

### 1. B. Economic and Management Sciences

#### 1.B.1. Academic Bachelor degree in Economics and Management Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at the entrance: BAC A or equivalent
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: File study

##### Major: Economics

Area of specialization	➤ Monetary and banking economics
	➤ International economics and finance

##### Major: Management Sciences

Area of specialization	➤ Management Sciences and Techniques
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#### 1.B.2. Professional Bachelor degree in Economics and Management Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at the entrance: BAC A or equivalent
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: File study

##### Major: Management Sciences

Area of specialization	➤ Banking customer management and credit analysis
	➤ Accounting and Finance
	➤ Marketing, Sales and Marketing
	➤ Logistics and Transport Management

#### 1.B.3. Master degree in Economics and Management Sciences

- ✓ Duration of the training: 4 semesters

- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: File study

#### Major: Economics

Area of specialization	Monetary and Banking Economics
	International Economics and Finance

#### Major: Management Sciences

Area of specialization	➤ Marketing and Strategy
	➤ Finance
	➤ Control and Accounting
	➤ Human Resources Management
	➤ Logistics and Transport Management

### 1.B.4. Professional Master degree in Economics and Management Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: File study

#### Major: Management Sciences

Area of specialization	➤ Control, Accounting, Auditing
	➤ Finance
	➤ Marketing and Communication
	➤ Corporate Administration
	➤ Logistics and Transport Management

### 1.B.5. PhD in Economics and Management Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: Master's degree in Research
- ✓ Diploma level validated at the end of the course: BAC + 8
- ✓ Accessibility: File study

#### Major: Economics

Area of specialization	➤ Economics
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#### Major: Management Sciences

Area of specialization	➤ Management Sciences
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## 1.C. Science and Technology

### 1.C.1. Academic Bachelor degree in Science and Technology

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at the entrance: BAC C & D
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: File study

#### Major: Physics

Area of specialization	➤ Physics
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### Major: Mathematics and Computer Science

Area of specialization	➤ Pure Mathematics
	➤ Architecture and Networks
	➤ Scientific calculation
	➤ Information technology

### Major: Biological Sciences

Area of specialization	➤ Biology of Animal Organisms
	➤ Biology of Plant Organisms

### Major: Chemistry

Area of specialization	➤ Chemistry
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### Major: Earth Sciences

Area of specialization	➤ Geosciences and Environment
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### Major: Biomedical Sciences

Area of specialization	➤ Biomedical Sciences
	➤ Radiology and Medical Imaging
	➤ Nursing Sciences

## 1.C.2. Master degree in Science and Technology

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: File study

### Major: Physics

Area of specialization	➤ Mechanics and Materials
	➤ Electronics, Electrical Engineering, Automation

### Major: Mathematics

Area of specialization	➤ Pure Mathematics
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### Major: Computer science

Area of specialization	➤ Information technology
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### Major: Biological Sciences

Area of specialization	Inorganic Chemistry
	Organic Chemistry

### Major: Earth Sciences

Area of specialization	Cartography, Geochemistry, Metallogeny (CGM)
	Water, Soil and Environment Resources Management (WESRM)

### Major: Biomedical Sciences

Area of specialization	➤ Radiology and Medical Imaging
	➤ Clinical Biology
	➤ Operating Room Assistant

## 1.C.3. PhD in Science and Technology

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: File study

### Major: Physics

Area of specialization	➤ Mechanics and Materials
	➤ Electronics, Electrical Engineering, Automation
	➤ Atoms, Molecules and Photonics

### Major: Biology

Area of specialization	➤ Biology of plant organisms (BOV)
	➤ Biology of Animal Organisms (BOA)

### Major: Earth Sciences

Area of specialization	➤ Mapping Metallogeny Geochemistry (CGM)
	➤ Water, Soil and Environment Resources Management (WESRM)

### Major: Chemistry

Area of specialization	➤ Inorganic Chemistry
	➤ Organic Chemistry

### Major: Mathematics

Area of specialization	➤ Mathematics
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### Major: Computer science

Area of specialization	➤ Information technology
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## 1.D. Law and Political Sciences

### 1.D.1. Academic Bachelor degree in Law and Political Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at the entrance: BAC
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: File study

### Major: Law and Political Science

Area of specialization	Public Law and Political Science
	Private Law

### 1.D.2. Professional Licenses in Law and Political Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at the entrance: BAC
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: File study

### Major: Law and Politics Professions

Area of specialization	➤ Business Lawyers
	➤ Judicial Careers
	➤ Administrative and Political Careers
	➤ Finance and Taxation

### 1.D.3. Master degree in Law and Political Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: File study

## Major: Law and Political Science

Area of specialization	➤ Public law
	➤ Political Science
	➤ Business Law
	➤ General Private Law
	➤ Criminal Sciences

### 1.D.4. PhD in Law and Political Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: File study

## Major: Law and Political Science

Area of specialization	➤ Public law
	➤ Political Science
	➤ Private Law

## Section 2.

### *Certificates issued by Technical and Technological Institutions*

#### 2.A. Science and technology

##### 2.A.1. University Diploma of Technology (UDT) in Science and Technology

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Baccalaureate or GCE A/L
- ✓ Diploma level validated at the end of the course: BAC + 2
- ✓ Accessibility: Competitive Entrance Examination

## Major: Biological Engineering

Area of specialization	➤ Biological and Biochemical Analysis
	➤ Environmental Engineering
	➤ Food and Biotechnology Industries

## Major: Industrial Engineering and Maintenance

Area of specialization	➤ Electrical Engineering
	➤ Mechanical and Production Engineering
	➤ Thermal and Energy Engineering
	➤ Industrial and Productive Maintenance

## Major: Computer Engineering

Area of specialization	➤ Computer Engineering
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##### 2.A.2. Bachelor of Technology in Science and Technology

- ✓ Duration of the training: 2 semesters
- ✓ Diploma level at the entrance: DUT or BTS
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: Competitive Entrance Examination

### Major: Biological Engineering

Area of specialization	➤ Biological and Biochemical Analysis
	➤ Environmental Engineering
	➤ Food and Biotechnology Industries

### Major: Industrial Engineering and Maintenance

Area of specialization	➤ Electrical Engineering
	➤ Mechanical and Production Engineering
	➤ Thermal and Energy Engineering
	➤ Industrial and Productive Maintenance

### Major: Computer Engineering

Area of specialization	➤ Software Engineering
	➤ Networking and Internet

## 2.A.3 Senior Technician in Science and Technology

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: Baccalaureate or GCE A/L
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: Competitive Entrance Examination

### Major: Mines, Minerals and Environment

Area of specialization	➤ Mining Engineering
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### Major: Mines and Geology

Area of specialization	➤ Applied Geology
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## 2.A.4. Master degree in Science and Technology

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: Competitive Entrance Examination

### Major: Engineering of Agro-industrial Equipment

Area of specialization	➤ Electronic and Automatic Computing
	➤ Mechanics and Production
	➤ Energy and Processes

### Major: Food Science and Nutrition

Area of specialization	➤ Post-harvest Science and Technology (PST)
	➤ Nutrition and Food Security (NSA)
	➤ Microbiology and Food Biotechnology (MBA)

### Major: Industrial Process Engineering

Area of specialization	➤ Food Engineering and Bioprocessing (GABP)
	➤ Chemical engineering applied to agro-industry and the environment (GCAE)
	➤ Chemical Engineering Applied to Water and the Environment (GCEE)

### Major: Industrial Chemistry and Environment

Area of specialization	➤ Processes and Chemical Engineering (PIC)
	➤ Industrial Pollution and Environmental Management (PIGE)

### 2.A.5. Professional Master degree in Science and Technology

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Professional degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: Competitive Entrance Examination

#### Major: Quality Control and Management

Area of specialization	➤ Quality Control and Management
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#### Major: Applied Nutrition

Area of specialization	➤ Applied Nutrition
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#### Major: Maintenance and Management of Refrigeration and Thermal Systems

Area of specialization	➤ Maintenance and Management of Refrigeration and Thermal Systems
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### 2.A.6. PhD in Science and Technology

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: Master II or equivalent
- ✓ Diploma level validated at the end of the course: BAC + 8
- ✓ Accessibility: Competitive Entrance Examination

#### Major: Food Sciences and Nutrition

Area of specialization	➤ Food Science and Nutrition
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#### Major: Process Engineering

Area of specialization	➤ Process Engineering
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#### Major: Industrial Chemistry and Environment

Area of specialization	➤ Industrial Chemistry and Environment
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#### Major: Applied Physics and Engineering

Area of specialization	➤ Energy and Thermal Processes
	➤ Equipment and Production Engineering
	➤ Electrical and Industrial Automatic Engineering

### 2.A.7. Deputy Engineer in Science and Technology

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: Baccalaureate or GCE A/L
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: Competitive Entrance Examination

#### Major: Mines, Minerals and Environment

Area of specialization	➤ Mining Engineering
	➤ Mining and mineral processing

#### Major: Mines and Geology

Course	➤ Geology of Mineral and Energy Resources
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### 2.A.8. Engineer in Science and Technology

- ✓ Duration of the training: 10 semesters
- ✓ Diploma level at the entrance: BAC A or equivalent
- ✓ Diploma level validated at the end of the course: BAC + 5



- ✓ Accessibility: Competitive Entrance Examination

#### Major: Mining and Geology

Area of specialization	➤ Mining and Exploration Geology
	➤ Geostatistics Applicable to the Mining Industry
	➤ Geochemistry Applied to Exploration
	➤ Structural Geology Applied to Exploration
	➤ Mining and Exploration Geology
	➤ Geophysics Applied to Exploration

#### Major: Geological and Geomatic Mapping

Area of specialization	➤ Geological and Geomatic Mapping
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#### Major: Mining Engineering

Area of specialization	➤ Mining and Mineral Processing
	➤ Geotechnics and Mining
	➤ Mining Operations and Environment

#### Major: Petroleum and Gas Engineering

Area of specialization	➤ Drilling and Production
	➤ Reservoir and Production

#### Major: Quality, Health, Safety, Security, Industrial Environment and Development Management Durable

Area of specialization	➤ QHSE in the Oil and Gas Industry
	➤ QHSE Solid Mines

#### Major: Agricultural and Food Industries

Area of specialization	➤ Agricultural and Food Industries
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#### Major: Industrial Maintenance and Production

Area of specialization	➤ Industrial Maintenance and Productivity
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#### Major: Industrial Chemistry and Environmental Engineering

Area of specialization	➤ Industrial Chemistry and Environmental Engineering
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## Section 3.

### *Certificates issued by vocational institutions*

#### 3.A. Arts, Letters and Human Sciences

##### 3.A.1. Secondary School Teacher's Certificate Grade 1 (DIPES I)

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at the entrance: BAC or GCE AL
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: Competitive Entrance Examination

#### Major: German

Area of specialization	➤ German
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#### Major: Spanish

Area of specialization	➤ Spanish language
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#### Major: Geography

Area of specialization	➤ Geography
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#### Major: History

Area of specialization	➤ History
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### Major: Bilingual Letters

Area of specialization	➤ Bilingual Letters
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### Major: Modern English Letters

Area of specialization	➤ Modern English Letters
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### Major: French Modern Letters

Area of specialization	➤ French Modern Letters
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### Major: Cameroonian Languages and Cultures

Area of specialization	➤ Cameroonian Languages and Cultures
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### Major: Educational Sciences

Area of specialization	➤ Educational Sciences
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### Major: Chemistry

Area of specialization	➤ Chemistry
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### Major: Computer science

Area of specialization	➤ Computer science
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### Major: Mathematics

Area of specialization	➤ Mathematics
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### Major: Physics

Area of specialization	➤ Physics
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### Major: Life Sciences

Area of specialization	➤ Life Sciences
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### Major: Earth and environmental sciences

Area of specialization	➤ Earth and environmental sciences
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## 3.A.2. Secondary School Teacher's Certificate Grade 2 (DIPES II)

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: DIPES I, Bachelor of Arts, Humanities and Social Sciences
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: Competitive Entrance Examination

### Major: German

Area of specialization	➤ German
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### Major: Spanish

Area of specialization	➤ Spanish language
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### Major: Geography

Area of specialization	➤ Geography
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### Major: History

Area of specialization	➤ History
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### Major: Bilingual Letters

Area of specialization	➤ Bilingual Letters
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### Major: Modern English Letters

Area of specialization	➤ Modern English Letters
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### Major: French Modern Letters

Area of specialization	➤ French Modern Letters
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### Major: Cameroonian Languages and Cultures

Area of specialization	➤ Cameroonian Languages and Cultures
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### Major: Philosophy

Area of specialization	➤ Philosophy
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### Major: Educational Sciences

Area of specialization	➤ Guidance Counsellors
	➤ Educational Sciences

### Major: Chemistry

Area of specialization	➤ Chemistry
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### Major: Basics in Computer Science

Area of specialization	➤ Computer Science
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### Major: Information and Communication Technology

Area of specialization	➤ Information and Communication Technology
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### Major: Mathematics

Area of specialization	➤ Mathematics
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### Major: Physics

Area of specialization	➤ Physics
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### Major: Life Sciences

Area of specialization	➤ Life Sciences
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### Major: Earth and environmental sciences

Area of specialization	➤ Earth and environmental sciences
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## University of YAOUNDE I

The University of YAOUNDE I has eight institutions that is, four classical faculties and four technological and vocational institutes, namely: the Faculty of Arts, Letters and Human Sciences (FALSH), the Faculty of Education Sciences (FSE), the Faculty of Sciences (FS), the Faculty of Medicine and Biomedical Sciences (FMSB), the Ecole Normale Supérieure (ENS), the Ecole Nationale Supérieure Polytechnique (ENSP), the Ecole Normale d'Enseignement Technique (ENSET) of Ebolowa, and the Institut Universitaire de Technologie du Bois of Mbalmayo (UIT-Bois).

**Table 7.1: Distribution of institutions of the UYI by field of training**

Areas of Training	Faculties	Schools
Arts, Humanities and Social Sciences	FALSH, FSE,	ENS
Science and Technology	FS	ENSP, UIT-Bois, ENSET
Health Sciences	FMSB	

Table 7.2 shows that about 65% of specializations certificates issued at UYI belong to the field of Arts, Letters and Human Sciences, 22% to Science and Technology, less than 14% to the field of Health Sciences. As far as classical faculties are concerned, table 7.2 also reveal that about 66% of certificates are delivered in Arts, Letters and Human Sciences, while only 16% belong to to Science and Technology and 18% to Health Sciences.

**Table 7.2: Distribution of certificates issued by training field at UYI.**

Certificate	ALHS	ST	SS	Total
Academic Bachelor Degree	59	10	0	69
Professional Bachelor Degree	2	2	6	10
Academic Master Degree	54	16	18	88
Professional Master Degree	9	14	0	23
PhD	27	17	4	48
Doctorate of General Medicine	0	0	5	5
Certificate of Specialization in Medicine	0	0	23	23
INTERNAT	0	0	0	0
University Diploma of Technology (UDT)	0	3	0	3
Engineer	0	6	0	6
Technical School Teacher's Certificate Grade 1 (DIPET I)	10	0	0	10
Technical School Teacher's Certificate Grade 2 (DIPET II)	10	0	0	10
Secondary School Teacher's Certificate Grade 1 (DIPES I)	13	0	0	13
Secondary School Teacher's Certificate Grade 2 (DIPES II)	15	0	0	15
<b>Total</b>	<b>199</b>	<b>68</b>	<b>56</b>	<b>325</b>

## Section 1:

### **Certificates issued by Classical Faculties**

#### **1.A. Arts, Letters and Human Sciences**

##### **1.A.1. Academic Bachelor degree in Arts, Letters and Human Sciences**

- ✓ Duration of training: 6 semesters
- ✓ Diploma level at the entrance: BAC of GCE AL
- ✓ Diploma level validated at the end of the course: BAC +3
- ✓ Accessibility: File study

##### **Major: German**

Area of specialization	➤ German language
	➤ German literature
	➤ German Civilization

##### **Major: English**

Area of specialization	➤ English language
	➤ American and Commonwealth Literature
	➤ British Literature

##### **Major: Anthropology**

Area of specialization	➤ Medical anthropology
	➤ Developmental anthropology
	➤ Cultural anthropology

##### **Major: Arts and Archaeology**

Area of specialization	➤ Performing arts and cinematography: theatrical production
	➤ Performing arts and cinematography: film and television production
	➤ Performing arts and cinematography: theatre and film criticism
	➤ History of art

##### **Major: Geography**

Area of specialization	➤ Environmental dynamics and risks
	➤ Urban and rural dynamics
	➤ Marginalities, development strategies and globalization

##### **Major: History**

Area of specialization	➤ History of civilizations and religions and Egyptology
	➤ Economic and social history
	➤ History of international relations

##### **Major: African languages and linguistics**

Area of specialization	➤ General Linguistics
	➤ Applied Linguistics

##### **Major: Bilingual studies**

Area of specialization	➤ Comparative literature
	➤ Translation
	➤ Contrast studies in language

### Major: African Literature and Civilization

Area of specialization	➤ African literature and civilization
	➤ Negro-African literature

### Major: Modern French literature

Area of specialization	➤ French language (grammar, linguistics, style)
	➤ French literature
	➤ Classical letters

### Major: Philosophy

Area of specialization	➤ Metaphysics and ontology
	➤ African Thinking and Egyptology
	➤ History of contemporary Western philosophy
	➤ Philosophy of art

### Major: Psychology

Area of specialization	➤ Psychopathology and clinical
	➤ Developmental Psychology
	➤ Social Psychology

### Major: Language Sciences

Area of specialization	➤ Discourse analysis
	➤ Communication
	➤ Applied linguistics
	➤ General Linguistics

### Major: Sociology

Area of specialization	➤ Political sociology
	➤ Population sociology and development
	➤ Urbanity and rurality

### Major: Fundamental teachings in education

Area of specialization	➤ Sociology and anthropology of education
	➤ Psychology of education
	➤ Information and Communication Technology and Education

### Major: Didactics of disciplines

Area of specialization	➤ Didactics of special education disciplines
	➤ Design and management of multi-media learning environments
	➤ Didactics and evaluation in education
	➤ School management
	➤ Psychopedagogy

### Major: Curricula and Evaluation

Area of specialization	➤ Curricula and evaluation
	➤ Educational management

### Major: Special Education

Area of specialization	➤ Intervention and community action
	➤ Guidance and advice
	➤ Out-of-school education and counselling
	➤ Mental disabilities, mental skills and counselling
	➤ Physical, instrumental and advisory disabilities
	➤ Social disabilities and advice

## 1.A.2. Professional Bachelor degree in Arts, Letters and Human Sciences

- ✓ Duration of training: 6 semesters

- ✓ Diploma level at the entrance: BAC
- ✓ Diploma level validated at the end of the course: BAC +3
- ✓ Accessibility: File study

#### Major: Tourism and Hotels

Area of specialization	➤ Tourist guide
	➤ Management of tourism companies

### 1.A.3. Master degree in Arts, Letters and Human Sciences

- ✓ Duration of training: 4 semesters
- ✓ Diploma level at entry: Bachelor degree
- ✓ Diploma level validated at the end of the course: BAC +5
- ✓ Accessibility: File study

#### Major: German

Area of specialization	➤ German literature
	➤ German Civilization

#### Major: English

Area of specialization	➤ English language
	➤ Sociolinguistics
	➤ American and Commonwealth Literature
	➤ British Literature

#### Major: Anthropology

Area of specialization	➤ Developmental anthropology
	➤ Medical anthropology
	➤ Cultural anthropology

#### Major: Arts and Archaeology

Area of specialization	➤ Film and television production
	➤ Plastic arts and art history
	➤ Theatre production
	➤ Archaeology and heritage management

#### Major: Iberian, Ibero-American and Italian Studies

Area of specialization	➤ Language and linguistics
	➤ Literature and civilization

#### Major: Geography

Area of specialization	➤ Human Geography
	➤ Physical geography

#### Major: History

Area of specialization	➤ History of civilizations and religions
	➤ Economic and Social History
	➤ History of international relations

#### Major: African languages and linguistics

Area of specialization	➤ General Linguistics
	➤ Applied Linguistics

#### Major: Bilingual studies

Area of specialization	➤ Contrast studies in language
	➤ Comparative literature
	➤ Translation

### Major: Modern French literature

Area of specialization	➤ French language
	➤ French literature

### Major: African Literature and Civilizations

Area of specialization	➤ African literature and civilization
	➤ Negro-African literature

### Major: Philosophy

Area of specialization	➤ Epistemology and logic
	➤ Ethics and political philosophy
	➤ Aesthetic metaphysics and philosophy of religions
	➤ African philosophy

### Major: Psychology

Area of specialization	➤ Child psychology
	➤ Developmental Psychology
	➤ Social Psychology
	➤ Clinical and pathological psychology

### Major: Sociology

Area of specialization	➤ Political sociology
	➤ Population and development
	➤ Urbanity and rurality

### Major: Fundamental teachings in education

Area of specialization	➤ Sociology and anthropology of education
	➤ Psychology of education
	➤ Educational engineering

### Major: Didactics of disciplines

Area of specialization	➤ Didactics of the disciplines
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### Major: Curricula and evaluation

Area of specialization	Curricula and evaluation
	Educational management

### Major: Special education

Area of specialization	Intervention and community action
	Guidance and advice
	Out-of-school education and counselling
	Mental disabilities, mental skills and counselling
	Physical, instrumental and advisory disabilities
	Social disabilities and advice

## 1.A.4. Professional Master degree in Arts, Letters and Human Sciences

- ✓ Duration of training: 4 semesters
- ✓ Diploma level at entry: Bachelor degree
- ✓ Diploma level validated at the end of the course: BAC +5
- ✓ Accessibility: File study

### Major: Arts and Archaeology

Area of specialization	➤ Film and audiovisual production
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### Major: Geography



Area of specialization	➤ Mapping, remote sensing and geographic information systems
	➤ Urban management and foresight
	➤ Urban planning and development and urban development

#### Major: African languages and linguistics

Area of specialization	➤ African languages and linguistics
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#### Major: Bilingual studies

Area of specialization	➤ Translation and interpretation
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#### Major: Psychology

Area of specialization	➤ Psychology of work and organizations
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#### Major: Language Sciences

Area of specialization	➤ Applied semiotics
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#### Major: Sociology

Area of specialization	➤ Gender and development
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### 1.A.5. PhD in Arts, Letters and Human Sciences

- ✓ Duration of training: 6 semesters
- ✓ Diploma level at entry: Master degree
- ✓ Diploma level validated at the end of the course: BAC +8
- ✓ Accessibility: File study

#### Major: German

Area of specialization	➤ Germanic languages, literatures and civilizations
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#### Major: English

Area of specialization	➤ English
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#### Major: Anthropology

Area of specialization	➤ Anthropology
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#### Major: Arts and Archaeology

Area of specialization	➤ Performing arts and cinematography
	➤ Plastic arts and art history
	➤ Archaeology and heritage management

#### Major: Spanish

Area of specialization	➤ Iberian, Ibero-American and Italian Studies
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#### Major: Geography

Area of specialization	➤ Geography
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#### Major: History

Area of specialization	➤ History
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#### Major: African languages and linguistics

Area of specialization	➤ African and linguistic languages
	➤ General and applied linguistics

#### Major: Bilingual studies

Area of specialization	➤ Bilingual letters (French/English)
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### Major: Modern French literature

Area of specialization	➤ Frenchman
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### Major: African Literature and Civilizations

Course	➤ Negro-African literature
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### Major: Philosophy

Area of specialization	➤ Philosophy
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### Major: Fundamental teachings in education

Area of specialization	➤ Sociology and anthropology of education
	➤ Psychology of education
	➤ Educational engineering

### Major: Didactics of disciplines

Area of specialization	➤ Didactics of the disciplines
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### Major: Curricula and evaluation

Area of specialization	➤ Curricula and evaluation
	➤ Educational management

### Major: Special education

Area of specialization	➤ Intervention and community action
	➤ Guidance and advice
	➤ Out-of-school education and counselling
	➤ Mental disabilities, mental skills and counselling
	➤ Physical, instrumental and advisory disabilities
	➤ Social disabilities and advice

## 1.B. Science and technology

### 1.B.1. Academic Bachelor degree in Science and Technology

- ✓ Duration of training: 6 semesters
- ✓ Diploma level at entry: BAC or GCE AL in Science
- ✓ Diploma level validated at the end of the course: BAC +3
- ✓ Accessibility: File study

### Major: Biochemistry

Area of specialization	➤ Biochemistry
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### Major: Animal biology and physiology

Area of specialization	➤ Animal biology and physiology
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### Major: Plant biology and physiology

Area of specialization	➤ Plant biology and physiology
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### Major: Microbiology

Area of specialization	➤ Microbiology
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### Major: Earth Sciences

Area of specialization	➤ Earth Sciences
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### Major: Organic chemistry

Area of specialization	➤ Organic chemistry
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### Major: Inorganic chemistry

Area of specialization	➤ Inorganic chemistry
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### Major: Computer science

Area of specialization	➤ Information technology
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### Major: Mathematics

Area of specialization	➤ Mathematics
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### Major: Physics

Area of specialization	➤ Physical
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## 1.B.2. Professional Bachelor degree in Science and Technology

- ✓ Duration of training: 6 semesters
- ✓ Diploma level at the entrance: BAC
- ✓ Diploma level validated at the end of the course: BAC +2
- ✓ Accessibility: File study

### Major: Computer science

Area of specialization	➤ Information and communication technology for development
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### Major: Biochemistry

Area of specialization	➤ Processing engineering for agricultural products
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## 1.B.3. Master degree in Science and Technology

- ✓ Duration of training: 4 semesters
- ✓ Diploma level at entry: Bachelor degree
- ✓ Diploma level validated at the end of the course: BAC +5
- ✓ Accessibility: File study

### Major: Biochemistry

Area of specialization	➤ Biochemistry
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### Major: Biology and animal physiology

Area of specialization	➤ Animal biology and physiology
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### Major: Plant biology and physiology

Area of specialization	➤ Plant biology and physiology
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### Major: Microbiology

Area of specialization	➤ Microbiology
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### Major: Earth Sciences

Area of specialization	➤ Earth Sciences
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### Major: Organic chemistry

Area of specialization	➤ Organic chemistry
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### Major: Inorganic chemistry

Area of specialization	➤ Inorganic chemistry
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### Major: Computer science

Area of specialization	➤ Information technology
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### Major: Mathematics

Area of specialization	➤ Mathematics
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### Major: Physics

Area of specialization	➤ Physical
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## 1.B.4. Master degree in Science and Technology

- ✓ Duration of training: 4 semesters

- ✓ Diploma level at entry: Bachelor degree
- ✓ Diploma level validated at the end of the course: BAC +5
- ✓ Accessibility: File study

#### Major: Earth Sciences

Area of specialization	➤ Engineering sciences
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#### Major: Plant biology and physiology

Area of specialization	➤ Seed industry
	➤ Environmental sciences
	➤ Forestry sciences

#### Major: Computer science and Mathematics

Area of specialization	➤ Mathematical engineering
	➤ Multimedia networks and applications

### 1.B.5. PhD in Science and Technology

- ✓ Duration of training: 6 semesters
- ✓ Diploma level at entry: Master degree
- ✓ Diploma level validated at the end of the course: BAC +8
- ✓ Accessibility: File study

#### Major: Biochemistry

Area of specialization	➤ Biochemistry
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#### Major: Animal biology and physiology

Area of specialization	➤ Animal biology and physiology
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#### Major: Plant biology and physiology

Area of specialization	➤ Plant biology and physiology
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#### Major: Microbiology

Area of specialization	➤ Microbiology
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#### Major: Earth Sciences

Area of specialization	➤ Earth Sciences
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#### Major: Organic chemistry

Area of specialization	➤ Organic chemistry
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#### Major: Inorganic chemistry

Area of specialization	➤ Inorganic chemistry
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#### Major: Computer science

Area of specialization	➤ Information technology
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#### Major: Mathematics

Area of specialization	➤ Mathematics
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#### Major: Physics

Area of specialization	➤ Physical
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### 1.C. Health Sciences

#### 1.C.1. Professional Bachelor degree in Health Sciences

- ✓ Duration of training: 6 semesters
- ✓ Diploma level at the entrance: BAC of GCE AL in Science
- ✓ Diploma level validated at the end of the course: BAC +3

- ✓ Accessibility: Competitive Entrance Examination

#### Major: Biomedical Sciences

Area of specialization	➤ Biomedical Sciences
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#### Major: Medical studies

Area of specialization	➤ Medical studies
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#### Major: Pharmaceutical studies

Area of specialization	➤ Pharmaceutical studies
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#### Major: Oral medicine studies

Area of specialization	➤ Oral medicine studies
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#### Major: Medical and biomedical studies

Area of specialization	➤ Nursing Studies
	➤ Radiology and Medical Imaging
	➤ Pharmacy
	➤ Clinical biology

### 1.C.2. Master degree in Health Sciences

- ✓ Duration of training: 4 semesters
- ✓ Diploma level at entry: Bachelor degree
- ✓ Diploma level validated at the end of the course: BAC +5
- ✓ Accessibility: Competitive Entrance Examination

#### Major: Biomedical Sciences

Area of specialization	➤ Bacteriology - Medical Virology
	➤ Parasitology-Mycology Medical
	➤ Medical Biochemistry
	➤ Medical Haematology
	➤ Medical Immunology
	➤ Infectious Diseases
	➤ Medical Pharmacognosy
	➤ Nursing Sciences
	➤ Internal Medicine
	➤ Surgery
	➤ Pediatrics
	➤ Gyneco-Obstetrics
	➤ Anesthesia-Resuscitation
	➤ Ophthalmology - ENT
	➤ Radiology and Medical Imaging
	➤ Public Health
	➤ Biomedical Techniques

#### Major: Field Epidemiology and Laboratory Management

Area of specialization	➤ Biomedical Techniques
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### 1.C.3. Professional Master degree in Health Sciences

- ✓ Duration of training: 4 semesters
- ✓ Diploma level at entry: Bachelor degree
- ✓ Diploma level validated at the end of the course: BAC +5
- ✓ Accessibility: Competitive Entrance Examination

### Major: Biomedical Sciences

Area of specialization	➤ Infectious diseases
	➤ General Medicine
	➤ Oral Medicine
	➤ Medical histopathology
	➤ Pharmacy
	➤ Medical Pharmacognosy
	➤ Nursing Sciences
	➤ Radiology and Medical Imaging
	➤ Biological Sciences
	➤ Bacteriology and Medical Virology
	➤ Medical and health sciences
	➤ Hematology and Blood Transfusion
	➤ Medical Microbiology, Parasitology and Immunology
	➤ Medical sciences
	➤ Biomedical sciences

### Mention : Medical and Health Sciences

Area of specialization	➤ Internal Medicine and Medical Specialties
	➤ Surgery and Specialties
	➤ Pediatrics
	➤ Gyneco-Obstetrics
	➤ Anesthesia-Resuscitation
	➤ Ophthalmology-ORL
	➤ Radiology and Medical Imaging
	➤ Biological sciences

### 1.C.4. Doctorate in General Medicine

- ✓ Duration of training: 8 semesters
- ✓ Diploma level at the entrance: BAC or GCE AL in Science
- ✓ Diploma level validated at the end of the course: BAC + 4
- ✓ Accessibility: Competitive Entrance Examination

### Major: General Medicine

Area of specialization	➤ General Medicine
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### Major: Oral Medicine

Area of specialization	➤ Oral and Dental Medicine
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### Major: Pharmacy

Area of specialization	➤ Officine
	➤ Industry
	➤ Clinical Biology

### 1.C.5. Certificate of Special Studies (RESIDANAT) in Health Sciences

- ✓ Duration of training: 8 semesters
- ✓ Diploma level at entry: Doctorate of General Medicine
- ✓ Diploma level validated at the end of the course: BAC + 12
- ✓ Accessibility: Competitive Entrance Examination

### Major: Anatomy /Pathology

Area of specialization	➤ Anatomy /Pathology
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### Major: Anesthesia - Resuscitation

Area of specialization	➤ Anesthesia - Resuscitation
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### Major: Clinical Biology

Area of specialization	➤ Clinical Biology
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### Major: Surgery and Specialties

Area of specialization	➤ General Surgery
	➤ Pediatric Surgery
	➤ Orthopaedic Surgery
	➤ Urological Surgery
	➤ Neuro-surgery

### Major: Gynecology-Obstetrics

Area of specialization	➤ Gynecology-Obstetrics
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### Major: Internal Medicine and Specialties

Area of specialization	➤ Internal Medicine
	➤ Cardiology
	➤ Medical Oncology
	➤ Neurology
	➤ Endocrinology
	➤ Pneumology
	➤ Nephrology
	➤ Hepato-Gastro- Enterology

### Major: Pediatrics

Area of specialization	➤ Pediatrics
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### Major: Radiology and Medical Imaging

Area of specialization	➤ Radiology and Medical Imaging
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### Major: Public Health

Area of specialization	➤ Public Health
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### Major: ORL

Area of specialization	➤ ORL
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## 1.C.6. Certificate of Special Studies (INTERNAT) in Health Sciences

- ✓ Duration of training: 8 semesters
- ✓ Diploma level at entry: Doctorate of General Medicine
- ✓ Diploma level validated at the end of the course: BAC + 12
- ✓ Accessibility: Competitive Entrance Examination

### Major: Anatomy /Pathology

Area of specialization	➤ Anatomy /Pathology
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### Major: Anesthesia - Resuscitation

Area of specialization	➤ Anesthesia - Resuscitation
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### Major: Clinical Biology

Area of specialization	➤ Clinical Biology
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### Major: Surgery and Specialties

Area of specialization	➤ General Surgery
	➤ Pediatric Surgery
	➤ Orthopaedic Surgery
	➤ Urological Surgery
	➤ Neuro-surgery

### Major: Gynecology-Obstetrics

Area of specialization	➤ Gynecology-Obstetrics
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### Major: Internal Medicine and Specialties

Area of specialization	➤ Internal Medicine
	➤ Cardiology
	➤ Medical Oncology
	➤ Neurology
	➤ Endocrinology
	➤ Pneumology
	➤ Nephrology
	➤ Hepato-Gastro- Enterology

### Major: Pediatrics

Area of specialization	➤ Pediatrics
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### Major: Radiology and Medical Imaging

Area of specialization	➤ Radiology and Medical Imaging
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### Major: Ophthalmology

Area of specialization	➤ Ophthalmology
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### Mention : Ear, Nose and Throat (ORL)

Area of specialization	➤ Ear, Nose and Throat (ORL)
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### Mention : Radiotherapy

Area of specialization	➤ Radiotherapy
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### Mention : Psychiatry

Area of specialization	➤ Psychiatry
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### Major: Public Health

Area of specialization	➤ Public Health
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## Section 2.

### *Certificates issued by Technical and Technological Institutions*

#### 2.A. Science and technology

##### 2.A.1. University Diploma of Technology (UDT) in Science and Technology

- ✓ Duration of training: 4 semesters
- ✓ Diploma level at entry: BAC or GCE AL
- ✓ Diploma level validated at the end of the course: BAC +2
- ✓ Accessibility: Competitive Entrance Examination

#### Major: Woodwork

Area of specialization	➤ Wood Construction
	➤ Wood Chemistry
	➤ Paper sciences and bioenergy



## 2.A.2. Engineer in Science and Technology

- ✓ Duration of training: 10 semesters
- ✓ Diploma level at entry: BAC or GCE AL
- ✓ Diploma level validated at the end of the course: BAC +5
- ✓ Accessibility: Competitive Entrance Examination

### Major: Mechanical and Industrial Engineering

Area of specialization	➤ Industrial Engineering
	➤ Mechanical Engineering

### Major: Electrical Engineering and Telecommunications

Area of specialization	➤ Electrical Engineering
	➤ Telecommunications Engineering

### Major: Computer Engineering

Area of specialization	➤ Computer Engineering
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### Major: Civil Engineering

Area of specialization	➤ Civil Engineering
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## 2.A.3. Master in Science and Technology

- ✓ Duration of training: 2 semesters
- ✓ Diploma level at entry: Diploma in Engineering Sciences
- ✓ Diploma level validated at the end of the course: BAC+5
- ✓ Accessibility: File study

### Major: Mechanical and Industrial Engineering

Area of specialization	➤ Industrial Engineering
	➤ Mechanical Engineering

### Major: Electrical Engineering and Telecommunications

Area of specialization	➤ Electrical Engineering
	➤ Telecommunications Engineering

### Major: Computer Engineering

Area of specialization	➤ Computer Engineering
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### Major: Civil Engineering

Area of specialization	➤ Civil Engineering
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## 2.A.4. Professional Master in Science and Technology

- ✓ Duration of training: 4 semesters
- ✓ Diploma level at the entrance: Licence or Bac + 4
- ✓ Diploma level validated at the end of the course: BAC+5
- ✓ Accessibility: File study

### Major: Applied Statistics

Area of specialization	➤ Applied Statistics
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### Major: Information and Communication Systems Security

Area of specialization	➤ Information and Communication Systems Security
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### Major: Mathematical Modeling and Scientific Calculation

Area of specialization	➤ Mathematical Modeling and Scientific Computation
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### Major: Computational Economics

Area of specialization	➤ Computational Economics
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### Major: Mechatronics

Area of specialization	➤ Mechatronics
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## 2.A.5. Professional Master degree in Telecommunications

- ✓ Duration of training: 2 semesters
- ✓ Diploma level at the entrance level: Master degree in Info & Telecom
- ✓ Diploma level validated at the end of the course: BAC+5
- ✓ Accessibility: File study

### Major: Telecommunications

Area of specialization	➤ Telecommunications
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## 2.A.6. PhD in Science and Technology

- ✓ Duration of training: 6 semesters
- ✓ Diploma level at entry: Master degree
- ✓ Diploma level validated at the end of the course: BAC + 8
- ✓ Accessibility: File study

### Major: Mechanical and Industrial Engineering

Area of specialization	➤ Industrial Engineering
	➤ Mechanical Engineering

### Major: Electrical Engineering and Telecommunications

Area of specialization	➤ Electrical Engineering
	➤ Telecommunications Engineering

### Major: Computer Engineering

Area of specialization	➤ Computer Engineering
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### Major: Civil Engineering

Area of specialization	➤ Civil Engineering
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### Major: Applied Statistics

Area of specialization	➤ Applied Statistics
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### Major: Mathematical Engineering

Area of specialization	➤ Mathematical Modeling Computational Economics
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### Major: Mechatronics

Area of specialization	➤ Embedded systems
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## 2.B. Digital Arts and Digital Humanities

### 2.B.1. Master in Digital Arts and Digital Humanities

- ✓ Duration of training: 4 semesters
- ✓ Diploma level at entry: BAC or GCE AL

- ✓ Diploma level validated at the end of the course: BAC +5
- ✓ Accessibility: Competitive Entrance Examination

#### Major: Digital Arts

Area of specialization	➤ Digital Arts
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#### Major: Digital Humanities

Area of specialization	➤ Digital Humanities
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### Section 3.

#### *Certificates issued by Vocational Training Schools*

#### 3.A. Arts, Letters and Human Sciences

##### 3.A.1. Secondary School Teacher's Certificate Grade 1 (DIPES I)

- ✓ Duration of training: 6 semesters
- ✓ Diploma level at entry: BAC or GCE/AL or equivalent
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: Competitive Entrance Examination

#### Major: Arts, Humanities and Social Sciences

Area of specialization	➤ Classical Letters
	➤ French Modern Letters
	➤ Bilingual Letters
	➤ Cameroonian Languages and Cultures
	➤ German
	➤ Spanish language
	➤ History
	➤ Geography

#### Major: Science and Technology

Area of specialization	➤ Mathematics
	➤ Information technology
	➤ Physical
	➤ Chemistry
	➤ Biology

##### 3.A.2. Secondary School Teacher's Certificate Grade 2 (DIPES II)

- ✓ Duration of training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree or equivalent
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: Competitive Entrance Examination

### Major: Arts, Humanities and Social Sciences

Area of specialization	➤ French Modern Letters
	➤ Modern English Letters
	➤ Bilingual Letters
	➤ German
	➤ Spanish language
	➤ History
	➤ Geography
	➤ Educational Sciences
	➤ Philosophy
	➤ Guidance Counsellors

### Major: Science and Technology

Area of specialization	➤ Mathematics
	➤ Information technology
	➤ Physical
	➤ Chemistry
	➤ Biology

## 3.B. Sciences and Technology

### 3.B.1. Technical School Teacher's Certificate Grade 1 (DIPET I)

- ✓ Duration of training: 6 semesters
- ✓ Diploma level at entry: BAC or GCE/AL or equivalent
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: Competitive Entrance Examination

### Major: Human Sciences and Management Techniques

Course	➤ Innovation, Commercial and Industrial Techniques
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### Major: Engineering Sciences and Industrial Techniques

Area of specialization	➤ Electrical Engineering
	➤ Civil Engineering
	➤ Mechanical Engineering
	➤ Wood Engineering
	➤ Computer Engineering
	➤ Tourism and Hotels
	➤ Geomatics
	➤ Maintenance
	➤ Medical Engineering EN and Biomedical

### 3.B.2. Technical School Teacher's Certificate Grade 2 (DIPET II)

- ✓ Duration of training: 4 semesters
- ✓ Diploma level at entry: Bachelor degree or equivalent
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: Competitive Entrance Examination

## Major: Engineering Sciences and Industrial Techniques

Area of specialization	➤ Tourism and Hotels
	➤ Innovation, Commercial and Industrial Techniques
	➤ Computer Engineering
	➤ Educational Sciences
	➤ Wood Engineering
	➤ Electrical Engineering
	➤ Mechanical Engineering
	➤ Computer Engineering
	➤ Agriculture and Agro-Pastoral
	➤ Electrical Engineering

## University of YAOUNDE II

The University of Yaoundé II is an institution which is specialized in social sciences especially in: Economics and Management Sciences, Law and Political Sciences, International Relations, Communication Sciences, and Demography and Population Science. Table 8.1 below shows that the University of Yaoundé II has only two classical faculties and three vocational institutions.

**Table 8.1: Distribution of institutions of the UYII by field of study**

Field of study	Faculties	Schools
Economics and Management Sciences (EMS)	FSEG	
Law and Political Sciences (LPS)	FSJP	
Demography and Population Science		IFORD
International Relations		IRIC
Communication Sciences		ESSTIC

Table 8.2 shows that approximately 59% of certificates issued at the UYII belong to the field of Law and Political Sciences, 33% to Economics and Management Sciences and approximately 15% to Communication Sciences. While focusing on the scope of professionalization within the two classical faculties of this university, it appears from table 8.2 that Bachelor and Master degrees account for about 88% of the certificates issued at the UYII.

**Table 8.2: Distribution of certificates issued at the UYII by field of study**

Certificate	EMS	LPS	CS	DEM	IR	Total
Academic Bachelor Degree	5	4	0	0	0	4
Professional Bachelor Degree	4	27	7	0	0	34
Academic Master Degree	10	4	1	0	1	6
Professional Master Degree	11	29	6	2	7	44
PhD	12	4	1	1	1	7
CAPACITE	0	7	0	0	0	7
Professional Post-graduate Diploma	0	0	4	0	0	4
<b>Total</b>	<b>42</b>	<b>75</b>	<b>19</b>	<b>3</b>	<b>9</b>	<b>126</b>

## Section 1:

### *Certificates issued by Classical Faculties*

#### 1.A. Economics and Management Sciences

##### 1.A.1. Academic Bachelor degree in Economics and Management Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at the entrance: BAC A or equivalent
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: File study

#### Major: Economics

Area of specialization	➤ Administration and Management of Companies
	➤ Engineering of Economics
	➤ Money, Banking and Finance

## Major: Management Sciences

Area of specialization	➤ Accounting, Finance
	➤ Marketing and Organisations

### 1.A.2. Professional degrees in Economics and Management Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at the entrance: BAC A or equivalent
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: File study

## Major: Management Sciences

Area of specialization	➤ Accounting, Control and Audit
	➤ Logistics and Transport
	➤ Marketing, Sales and Marketing
	➤ Entrepreneurship and SME Development

### 1.A.3. Master in Economics and Management Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: File study

## Major: Economics

Area of specialization	➤ Microeconomics of Development
	➤ Economy of the Territory and Decentralization
	➤ University Governance
	➤ Monetary and Banking Microeconomics
	➤ Applied Mathematics in Social Sciences
	➤ Economic and Financial Engineering
	➤ Applied Economics - NPTCI

## Major: Management Sciences

Area of specialization	➤ Finance, Accounting and Control
	➤ Marketing, Strategy and Organization
	➤ Human Resources Management

### 1.A.4. Professional Master in Economics and Management Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: File study

## Major: Economics

Area of specialization	➤ Urban and Community Governance
	➤ Business Intelligence, Entrepreneurship
	➤ Environmental Economics; Development
	➤ Trade Policies and Negotiations
	➤ Economic Policy Management

## Major: Management Sciences

Area of specialization	➤ Banking and Financial Institution Management
	➤ Finance and Financial Engineering
	➤ Accounting, Control and Audit
	➤ Logistics and Transport
	➤ Sales and Marketing Engineering
	➤ Skills and Human Resources Management

### 1.A.5. PhD in Economics and Management Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: Master's degree in Research
- ✓ Diploma level validated at the end of the course: BAC + 8
- ✓ Accessibility: File study

## Major: Economic Sciences

Area of specialization	➤ Currency, Banking and Finance
	➤ Economic Policy and Analysis
	➤ Development and Natural Resources Economics
	➤ Human Resources Economics
	➤ International Economy
	➤ Public Economy
	➤ Mathematical Economics
	➤ PHD Collaborative
	➤ PHD-NPTCI

## Major: Management Sciences

Area of specialization	➤ Finance Accounting and Control
	➤ Marketing, Strategy and Organization
	➤ Human Resources Management

## 1.B. Law and Political Sciences

### 1.B.1 CAPACITE in Law and Political Science

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: BEPC/Probatoire
- ✓ Diploma level validated at the end of the course: BAC
- ✓ Accessibility: File study

## Major: Public Law

Area of specialization	➤ Public Markets and Public Procurement
	➤ Public Administration



### Major: Private Law

Area of specialization	➤ Banking and Microfinance
	➤ Accounting Help
	➤ Legal and Judicial Practice
	➤ Insurance
	➤ Legal Culture and Economy

### 1.B.2 Academic Bachelor degree in Law and Political Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at the entrance: BAC
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: File study

### Major: Law and Political Science

Area of specialization	➤ Public Law
	➤ Basic Private Law
	➤ Political Science
	➤ English Law

### 1.B.3 Professional Bachelor degree in Law and Political Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at the entrance: BAC
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: File study

### Major: Public Law

Area of specialization	➤ Health Law and Hospital Administration
	➤ Public Business Law
	➤ Public Procurement and Public Procurement
	➤ Law and Administration of Territorial Communities D
	➤ Law and Administrative Litigation
	➤ Law and Parliamentary Administration
	➤ Diplomatic and Consular Law
	➤ Environmental and Development Law
	➤ Human Rights and the Rule of Law
	➤ Taxation applied
	➤ Nuclear Law
	➤ Law and Economics of Sport

### Major: English Law

Area of specialization	➤ Alternative Dispute Resolution
	➤ Business Law Management
	➤ Business Banking and Finance Law

### Major: Private Law

Area of specialization	➤ Banking and Micro Finance Law
	➤ Business and International Trade Law
	➤ Transport and Logistics Law
	➤ Law and Practice of Credit Recovery
	➤ Law, Litigation and Labour Practice and
	➤ Wealth Management and Real Estate Law
	➤ Law and Legal and Judicial Practices

### Major: Political Science

Area of specialization	➤ Governance and Policy Evaluations
	➤ Solidarity, International Cooperation and IN
	➤ Institutions and International Relations Co
	➤ International Relations Practice
	➤ Public Sports Policy Strategy

### 1.B.4 Master in Law and Political Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: File study

### Major :

Area of specialization	➤ Private Law
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### Major: Public Law

Area of specialization	➤ Public Law
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### Major: English Law

Area of specialization	➤ English Law
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### Major: Political Science

Area of specialization	➤ Political Science
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### 1.B.4. Professional Master degree in Law and Political Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: File study

### Major: Public Law

Area of specialization	➤ Health Law and Hospital Administration
	➤ Public Business Law
	➤ Public Procurement and Public Procurement
	➤ Law and Administration of Territorial Communities D
	➤ Law and Administrative Litigation
	➤ Law and Parliamentary Administration
	➤ Diplomatic and Consular Law
	➤ Environmental and Development Law
	➤ Human Rights and the Rule of Law
	➤ Taxation applied
	➤ Nuclear Law
	➤ Law and Economics of Sport

### Major: English Law

Area of specialization	➤ Alternative Dispute Resolution
	➤ Business Law Management
	➤ Business Banking and Finance Law

### Major: Private Law

Area of specialization	➤ Basic Private Law
	➤ Banking and Micro Finance Law
	➤ Business and International Trade Law
	➤ Transport and Logistics Law
	➤ Law and Practice of Credit Recovery
	➤ Law, Litigation and Labour Practice and
	➤ Wealth Management and Real Estate Law
	➤ Law and Legal and Judicial Practices

### Major: Political Science

Area of specialization	➤ Governance and Policy Evaluation
	➤ Solidarity, International Cooperation
	➤ Institutions and International Relations Co
	➤ International Relations Practices
	➤ Public Policy Strategy for Sport

### Major: English Law

Area of specialization	➤ English Law
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## 1.B.5 PhD in Law and Political Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: File study

### Major: Private Law

Area of specialization	➤ Public Law
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### Major: Public Law

Area of specialization	➤ Political Science
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### Major: English Law

Area of specialization	➤ English Law
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## Major: Political Science

Area of specialization	➤ Political Science
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## Section 2.

### Certificates issued by Vocational Institutions

#### 2.A. Communication Sciences

##### 2.A.1. Professional Bachelor degree in Communication Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: Baccalaureate (C, D, E, F4) or GCE A/L in Scientific level
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: Competitive Entrance Examination

#### Major: Communication

Area of specialization	➤ Journalism
	➤ Communication from Organisations
	➤ Archiving
	➤ Library
	➤ Advertising
	➤ Background information
	➤ Edition

##### 2.A.2. Professional Post-Graduate Certificate in Communication Sciences

- ✓ Duration of the training: 2 semesters
- ✓ Diploma level at entry: Baccalaureate (C, D, E, F4) or GCE A/L in Scientific level
- ✓ Diploma level validated at the end of the course: BAC + 3
- ✓ Accessibility: Competitive Entrance Examination

#### Major: Communication

Area of specialization	➤ Political Journalism
	➤ Online Agency Journalism
	➤ Communication on Health and Environment
	➤ Advertising Strategies and Creations

##### 2.A.3. Master in Communication Sciences

- ✓ Duration of the training: 2 semesters
- ✓ Diploma level at entry: Design Engineer
- ✓ Diploma level validated at the end of the course: BAC + 6
- ✓ Accessibility: Competitive Entrance Examination

#### Major: Communication

Area of specialization	➤ Information and Communication Sciences
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##### 2.A.4. Professional Master in Communication Sciences

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: File study

## Major: Communication

Area of specialization	➤ Virtual Agency and Multimedia Journalism
	➤ Communication and International Cooperation
	➤ Corporate Communication and Marketing
	➤ Tourism Communication and Sustainable Development
	➤ Archivist specialized in Banking, Finance, Insurance
	➤ Archivistics and documentary engineering

### 2.A.5. PhD in Communication Sciences

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: Master's degree in Research
- ✓ Diploma level validated at the end of the course: BAC + 8
- ✓ Accessibility: Competitive Entrance Examination

## Major: Communication

Area of specialization	➤ Information and Communication Sciences
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## 2.B. Demography and Population Science

### 2.B.1. Professional Master in Demography and Population Science

- ✓ Duration of the training: 4 semesters
- ✓ Diploma level at entry: Bachelor's degree
- ✓ Diploma level validated at the end of the course: BAC + 5
- ✓ Accessibility: File study

## Major: Demography

Area of specialization	➤ Demographics
	➤ Population Sciences

### 2.B. 2 Doctorate – PhD in Demography and Population Science

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: Master's degree in Research
- ✓ Diploma level validated at the end of the course: BAC + 8
- ✓ Accessibility: Competitive Entrance Examination

## Major: Demography

Area of specialization	Population Sciences
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## 3.B. International Relations

### 3.B.1 Master degree in International Relations

- ✓ Duration of the training: 2 semesters
- ✓ Diploma level at entry: Design Engineer
- ✓ Diploma level validated at the end of the course: BAC + 6
- ✓ Accessibility: Competitive Entrance Examination

## Major: International Relations

Area of specialization	➤ Cultural Diversity, Peace and International Cooperation
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### 3.B.2. Professional Master in International Relations

Major: International Relations

Area of specialization	➤ Diplomacy
	➤ Banking, Currency, Finance
	➤ International Communication and Public Action
	➤ Regional Integration and Management of Community Institutions
	➤ International Marketing
	➤ International Cooperation, Humanitarian Action and Sustainable Development
	➤ International Relations

### 3.B.3 PhD in International Relations

- ✓ Duration of the training: 6 semesters
- ✓ Diploma level at entry: Master's degree in Research
- ✓ Diploma level validated at the end of the course: BAC + 8
- ✓ Accessibility: Competitive Entrance Examination

Major: International Relations

Area of specialization	➤ International Relations
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