



ADVENTIST UNIVERSITY OF CENTRAL AFRICA

ACADEMIC BULLETIN 2018-2021

May 2018

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PREAMBLE

"True education means more than the pursual of a certain course of study. It means more than a preparation for the life that now is. It has to do with the whole being, and with the whole period of existence possible to man. It is the harmonious development of the physical, the mental, and the spiritual powers. It prepares the student for the joy of service in this world and for the higher joy of wider service in the world to come."

Ellen G. White, Education, pp. 13.

FOREWORD

Dear student, prospective student, parent, partner and stakeholder,

We are pleased to welcome you to the Adventist University of Central Africa (AUCA). As we expect to undertake together the journey towards a glorious future, we assure you that the choice you have made joining AUCA is a life changing one. We welcome you to both a fulfilling university experience and an academic setting which prepares young minds for a real happiness of service to God and to communities.

Reminiscent of Rwanda's vision and the regional aspirations by respective countries, producing graduate fit for the purpose is at the center stage of AUCA's mandate. You will discover that AUCA is the place where life skills, knowledge and Christian values are nurtured to mould students into citizens fit for God for and for the country.

Since its inception in 1984, AUCA has been at the forefront of private tertiary education locally and in the region. Our Christ-centered mission enabled the unparalleled quality education which has earned AUCA an impressive track record of producing competent and problem-solving graduates on the market in respective areas of specialization

The current bulletin provides detailed information on the programs offered at AUCA. These are strategically designed to address the specific needs of our communities and keep pace with recent trends of the transformation of Africa and the World. They respond to the mental, physical, social, spiritual health, intellectual growth, and service to humanity which constitute core values of the Adventist philosophy of holistic education. With God's guidance and the synergy of our talented and committed staff, alumni, friends and partners; the goals we aspire to accomplish will in time translate in milestones of which we will praise the Almighty.

Today, AUCA has made important strides and grown bigger. We have got three beautiful campuses: two of them easily accessible and located at the heart of Rwandan capital Kigali - the Masoro main campus and a magnificent and state of the art Gishushu campus of Sciences and Technology; and the Ngoma campus located in the west of Rwanda at the shores of Lake Kivu, housing the Adventist School of Nursing and Health Sciences. AUCA is also hosting another exciting project: the Adventist School of Medicine for the East Central Africa Division, of which the construction is underway and opening next year. By investing in AUCA expansion, we are committed to building a better future for Rwanda and the region.

I would like to invite you to join hands with us to help this unique academic institution maintain its culture of excellency, discipline and spiritual values whilst fostering its further development and impact communities' transformation.

I thank you for your interest in AUCA. God bless us together.

Dr Roger Ruterahagusha

Ag Vice/Chancellor.

1. ACADEMIC CALENDAR 2018-2021

Academic Calendar 2018– 2019

SEMESTER I (August 26, 2018 – December 21, 2018)

First Semester	Date
Students' Orientation & Registration	August 26 – 31, 2018
Classes Begin	September 2, 2018
Modification	September 2– 7, 2018
Graduation	September 28 – 30, 2018
Mid– Semester Examinations	October 21– 26, 2018
Week of Prayer	November 18 – 24, 2018
Classes End	December 14, 2018
Final Examinations	December 16 – 28, 2018
Christmas Break	December 30, 2018 – January 4, 2019
Submission of Grades to Registrar's Office	January 3, 2019
Senate	January 4, 2019

SEMESTER II (January 6, 2019 – May 10, 2019)

First Semester	Date
Students' Orientation & Registration	January 6– 11, 2019
Classes Begin	January 13, 2019
Modification	January 13 – 18, 2019
Heroes Day	February 1, 2019
Mid– Semester Examinations	March 3 – 8, 2019
Week of Prayer	March 23– 30, 2019
Memorial Week (Genocide Mourning Week)	April 7– 13, 2019
Labor Day	May 1, 2019
Classes End	May 3, 2019
Final Examinations	May 5– 17, 2019
Submission of Grades to Registrar's Office	May 23, 2019
Senate	May 24, 2019

SUMMER SEMESTER (May 26, 2019 – August 2, 2019)

First Semester	Date
Students' Orientation & Registration	May 26– 31, 2019
Classes Begin	June 2, 2019
Modification	June 2 – 7, 2019
Mid– Semester Examinations	June 23– 28, 2019
Independence Day Liberation Day	July 1, 2019 July 4, 2019
Classes End	July 19, 2019
Final Examinations	July 21– 26, 2019
Submission of Grades to Registrar's Office	August 2, 2019
Senate	August 9, 2019
Holiday	August 11 – 23, 2019

Academic Calendar 2019– 2020

SEMESTER I (August 25, 2019 – December 27, 2019)

First Semester	Date
Students' Orientation & Registration	August 25– 30, 2019
Classes Begin	September 1, 2019
Modification	September 1– 6, 2019
Graduation	September 27– 29, 2019
Mid– Semester Examinations	October 20– 25, 2019
Week of Prayer	November 9– 16, 2019
Classes End	December 13, 2019
Final Examinations	December 15– 27, 2019
Christmas Break	December 29, 2019 – January 3, 2020
Submission of Grades to Registrar's Office	January 3, 2020
Senate	January 6, 2020

SEMESTER II (January 5, 2020 – May 10, 2020)

First Semester	Date
Students' Orientation & Registration	January 5– 10, 2020
Classes Begin	January 12, 2020
Modification	January 12 – 14, 2020
Heroes Day	February 1, 2020
Mid– Semester Examinations	February 23– 28, 2020
Week of Prayer	March 21– 28, 2020
Memorial Week (Genocide Mourning Week)	April 7– 13, 2020
Classes End	May 30, 2020
Labor Day	May 1, 2020
Final Examinations	May 3 – 15, 2020
Submission of Grades to Registrar's Office	May 20, 2020
Senate	May 22, 2020

SUMMER SEMESTER (May 24, 2020 – August 12, 2020)

First Semester	Date
Students' Orientation & Registration	May 24– 29, 2020
Classes Begin	May 31, 2020
Modification	May 31– June 5, 2020
Mid– Semester Examinations	June 21– 26, 2020
Independence Day Liberation Day	July 1, 2020 July 4, 2020
Classes End	July 17, 2020
Final Examinations	July 19– 24, 2020
Submission of Grades to Registrar's Office	July 30, 2020
Senate	July 31, 2020
Holiday	August 2 – 21, 2020

Academic Calendar 2020– 2021

SEMESTER I (August 23, 2020 – December 21, 2020)

First Semester	Date
Students' Orientation & Registration	August 23– 28, 2020
Classes Begin	August 30, 2020
Modification	August 30 – September 4, 2020
Graduation	September 25– 27, 2020
Mid– Semester Examinations	October 18– 23, 2020
Week of Prayer	November 7– 14, 2020
Classes End	December 11, 2020
Final Examinations	December 13– 27, 2020
Christmas Break	December 27, 2020 – January 3, 2021
Submission of Grades to Registrar's Office	December 31, 2020
Senate	January 3, 2021

SEMESTER II (January 3, 2021 – May 7, 2021)

First Semester	Date
Students' Orientation & Registration	January 10– 17, 2021
Classes Begin	January 17, 2021
Modification	January 17 – 25, 2021
Heroes Day	February 1, 2021
Mid– Semester Examinations	February 28– March 5, 2021
Week of Prayer	March 20– 27, 2021
Memorial Week (Genocide Mourning Week)	April 7– 13, 2021
Labor Day	May 1, 2021
Classes End	May 7, 2021
Final Examinations	May 9– 21, 2021
Submission of Grades to Registrar's Office	May 27, 2021
Senate	May 28, 2021

SUMMER SEMESTER (May 23, 2021 – July 23, 2021)

First Semester	Date
Students' Orientation & Registration	May 30– June 4, 2021
Classes Begin	June 6, 2021
Modification	June 5 –11, 2021
Mid– Semester Examinations	June 27–July 2, 2021
Independence Day Liberation Day	July 1, 2021 July 4, 2021
Classes End	July 23, 2021
Final Examinations	July 25– 30, 2021
Submission of Grades to Registrar's Office	August 5, 2021
Senate	August 6, 2021
Holiday	August 8 – 27, 2021

2. GENERAL INFORMATION

University background

The Adventist University of Central Africa (AUCA) was founded in 1978, but the official opening was held on October 15, 1984. The University was located at Mudende, former Mutura Commune, Gisenyi Prefecture, North-East of Rwanda. In 1994, just before the genocide, the University had seven (7) faculties:

- Faculty of Business Administration (Accounting and Information Management)
- Faculty of Sciences (Mathematics and Physics, Biology and Chemistry, Human Biology and Public Health)
- Faculty of Education (Educational Psychology)
- Faculty of Technology
- Faculty of Agriculture
- Faculty of Languages (French and English)
- Faculty of Theology

Following the 1994 genocide against the Tutsi, AUCA temporarily suspended its activities until 7 May 1996, during which time the University reopened a transition Campus at Gishushu, in Kigali City. From that time the University has run only four faculties:

- Faculty of Business Administration, with four departments: Accounting, Management, Marketing and Finance ;
- Faculty of Science in Information Technology, with three departments: Information Management, Networking & Communication Systems, and Software Engineering ;
- Faculty of Education, with six départements: Educational Psychology, English Language and Literature, Accounting, Information Technology, Mathematics and Geography;

- Faculty of Theology

Currently, the university operates on a new campus at Masoro, which is located in Gasabo District, Kigali City. The University is committed to achieve its complete development and expansion.

Philosophy

The Adventist University of Central Africa subscribes to the Philosophy of the Seventh-day Adventist system of Education. The Seventh-day Adventist Philosophy of Education is Christ-centred. Adventists believe that under the guidance of the Holy Spirit, God's character and purposes can be understood as revealed in Jesus Christ, through the Bible and in Nature. The distinctive characteristics of Adventist education—derived from the Bible and the writings of Ellen G. White—point to the redemptive aim of true education: restoring human beings to reflect the image of their Maker.

Seventh-day Adventists believe that God is infinitely loving, wise, and powerful. He relates to human beings on a personal level, presenting His character as the ultimate norm for human conduct and His grace as the means of restoration and redemption. Adventists recognize, however, that human motives, thinking, and behavior have fallen short of God's ideal. Education in its broadest sense is a means of restoring the original relationship between human beings and God. Homes, Schools, and Churches work together and cooperate with the divine agencies to prepare responsible citizens for this world and for the world to come.

Imparting academic knowledge is only part of the Adventist Philosophy of Education. It strives to develop a whole and well-balanced person—spiritually, intellectually, physically, and socially. The Philosophy seeks to build faith in God and respect for all human beings; shape characters in the image of the Creator; nurture thinkers rather than mere reflectors of others' thoughts; promote loving service rather than selfish ambition; ensure maximum development of each individual's potential; and embrace all that is true, good, and beautiful.

Thus, the Adventist University of Central Africa, as a Seventh-day Adventist institution of higher learning, adopted a philosophy that operates on the basis of the Seventh-day Adventist worldview, which holds that God is the Creator and Sustainer of the universe and the source of true knowledge. The entrance of sin caused man's alienation from God, therefore the restoration of the relation between man and his God is the main aim of Adventist Education that leads students to discover and understand the truth through critical thinking.

Vision

The Adventist University of Central Africa is to be a centre of excellence in undergraduate and graduate programmes. Quality shall be the hallmark of all its undertakings including research and service delivery to its students, faculty, staff and the community at large.

Mission

The Adventist University of Central Africa is committed to provide Christ-centred quality education founded on a holistic approach that prepares people for the service of this life and the life to come.

Objectives

The main objectives of AUCA is to promote true education upheld by the SDA Church among individuals through the holistic approach of developing mental, spiritual, physical, and social strengths of the individual until one's highest potential is reached. This can be achieved through:

1. Developing its students to become useful members of the society, empowered not only with intellectual skills but also with a well-developed moral character.
2. Focusing its goals and its objectives on the principles of the Bible preparing students to become good citizens of this world and of the world to come.
3. Inculcating into its students the desire for a life style of a balanced-Bible based diet, principles of hygiene and physical exercises.
4. Motivating students to appreciate art, music, and diversity within the surrounding and develop their social maturity which will enable them to become peace makers their local communities, countries, and regions.
5. Framing individuals to become better researchers with independent critical thinking and judgment so that they become developers of knowledge.
6. Providing a conducive learning environment that gears the students to acquire the knowledge, skills, competencies, and attitudes needed in the labor market nationally and internationally.
7. Instilling in students the appreciation of the dignity of work as a blessing for themselves, the service of AUCA, and the community.

3. ACADEMIC INFORMATION

a) Academic Calendar

AUCA's academic year is made up of two (2) regular semesters of 16 weeks each and a Summer Semester of 8 weeks. The University observes official public holidays which appear on the academic calendar and those which may be announced by the Rwandan Government.

b) Academic Programmes

- Undergraduate Programmes

AUCA is recognized and accredited by the Rwandan Government which is represented by the Ministry of Education and also by the Accrediting Association of Seventh-day Adventist Schools, Colleges and Universities (AAA) and the International Board of Education (IBE). The University offers a Undergraduate and Postgraduate degrees. Currently AUCA has five faculties, which are divided into departments:

- Faculty of Business Administration (Departments of Accounting, Management, Finance and Marketing)
- Faculty of Information Technology (Departments of Information Management, Networks and Communication Systems and Software Engineering)
- Faculty of Education (Departments of Educational Psychology, English Language and Literature, Accounting, Information Technology, Mathematics and Geography)
- Faculty of Theology
- Faculty of Nursing and Midwifery

- Graduate Programmes

AUCA offers three graduate programmes in Education (Master of Education in Educational Administration), Information Technology (Master of Science in Information Technology, Big Data Analytics Major) and Business Administration (Master of Business Administration in Accounting, Finance, Management and Human Resource Management).

In addition, AUCA's sister institution of higher learning, Andrews University (USA, Michigan) offers a degree programme of Masters of Administration in International Development.

- Duration of Programmes

For undergraduate programmes classes are organized into Full-time, Part-time, and In-service programmes. Students of the Full-time programme will be awarded a Bachelor's Degree, normally on completion of four academic years of two semesters each. However, for an accelerated programme a Bachelor's Degree will be awarded on completion of three academic years of three semesters each (two regular and one summer semester).

For part-time and in-service programmes, a Bachelor's Degree is awarded in five years.

Maximum duration for undergraduate studies to be completed is six years for full-time students and seven years for part-time after which the student will not be awarded a degree.

Graduate students will be awarded a Master's Degree on completion of two academic years of four semesters.

- **Graduation Requirements**

Courses are evaluated in terms of semester credits. According to the international convention, 1 semester credit equals 1.5 quarter credits ***Reference**. One semester credit equals 15 hours.

In a regular semester a student is allowed to take a maximum of 18 credits (exceptionally 19 credits) for the full-time programme and 15 credits for the part-time programme each semester.

For the Summer semester, students are allowed to take a maximum of 9 credits (exceptionally 10 credits).

However, a regular student may not go below 9 credits for full-time programme and 6 credits for part-time programme. At least 9 semesters (6 regular and 3 Summer semesters) are required for completing the Bachelor's Degree programme for the full-time programme and 12 semesters for part-time and In-service programmes. A minimum of 136 semester credits are required for the student to be awarded a Bachelor's Degree.

For the graduate programme, students are allowed to take a maximum of 12 credits per semester.

At least 4 semesters of 12 credits each are required for completing the Master's Degree programme. A minimum of 48 semester credits are required for the student to be awarded a Master's Degree. In addition to the 48 credits for Master's students will be required to write a comprehensive exam of 1 credit.

c) Admissions

Students are recruited from A Level secondary school leavers and applicants from other accredited institutions of higher learning. Usually there is an entrance exam for all applicants from secondary school who have passed the A Level National exam.

The applicant must submit the following documents:

1. A fully completed and signed application form, which may be obtained from the Registrar's Office or downloaded from AUCA website.
2. A certified copy of the A Level certificate with two principal passes. (For candidates applying to the Nursing programme, two principal passes are required in Biology and Chemistry and a minimum of a subsidiary pass in Math or Physics)
3. Two recent passport size photographs.
4. A copy of the national ID card or passport.
5. A payment slip of the application fee (non-refundable).
6. A copy of valid health insurance.
7. Medical certificate and police clearance for Nursing and Education

Note: International students start the registration process after fulfilling the requirements from the Rwandan Education Board (REB) requiring them to get the Equivalence of their credentials from REB.

After international students have received admission into the programme they are immediately required to get student visas from Immigration Office.

d) Registration Procedures

Before registration, a one-day orientation programme is organized to allow new students to get acquainted with the academic programmes, library, internet, laboratories facilities, and other matters pertaining to the life of the student at the University.

For a new student:

1. The new students must sign a declaration form stating that he/she will comply with the University rules and regulations governing the academic, social, and spiritual life at AUCA.

2. Get the provisional student identification number from the Registrar's office. Admitted students should present an admission letter. In case a student does not report the admission letter will be valid for two years.

For both the new and returning student:

3. Attend orientation and consult with the faculty Dean or Head of Department for course selection
4. Select courses online considering the prerequisites and advice from Dean or HOD.
5. Print 3 copies of the registration form (the first copy for the finance office, the second for the student him/herself and the third one for the Registrar's office).
6. Present the 3 registration forms to the Faculty for approval
7. Pay the tuition fees at the bank.
8. Present the bank payment slip and the 3 copies of the registration form to the accounting office and get the receipt.
9. Get class cards
10. Attend classes (attendance is mandatory)
11. A student both new and old who has not completed the registration is not an officially registered student of AUCA

- Adding or Withdrawing a Course (Modification)

The addition or withdrawal of a course is permitted in exceptional cases that are approved by the Faculty and, for the period indicated in the academic calendar. Course modification is done by the Faculty.

Note: Registration and Modification forms must bear three stamps that show approval by the Faculty, Finance and the Registrar's Office.

- Change of Faculty

A student is required to remain in the faculty and the programme of his/her initial registration until the completion of his/her studies. However, for a genuine reason and on recommendation of the Faculty, a student wishing to change the programme, completes a change of faculty form to be allowed to change the programme.

The student can be advised by the Faculty to change the faculty or department, if the student shows poor performance. All courses passed that apply to the new major will automatically be transferred. The probation in the former programme is dropped. Major courses done in the previous programme become complementary and do not count for the degree requirement unless they are also in the new programme.

- Change of Programme (Full-time, Part-time and In-service)

For a genuine reason a regular student may change from full-time to part-time programme and vice-versa at the beginning of the semester during registration time. An In-service programme student may also be allowed to change the programme under certain genuine circumstances. The request is done by completing a change of programme form and getting the approval of the Faculty and Registrar's Office.

e) Medium of Instruction

The medium of instruction is English. However, French courses are offered in the French language.

f) Grading and Evaluation System

The grading system of the University is based on a multi-dimensional way of evaluating the performance of students. The grades obtained from the Adventist University of Central Africa are thus based on various methods of continuous assessment:

1. The final grade of a course is the weighted average of the cumulated grades of the quizzes, tests, assignments, research projects, practical work, field trips and examinations of the whole semester.
2. The weighting of the semester assessment totals 100%, which is distributed as follows:

Assessment Item	Weighting in %	Invigilation
Assignments & Quizzes	30	Monitored by the Teacher
Mid-Semester Exam	30	Invigilators
Final Exams	40	Invigilators

3. Each assessment meets the following objectives:
 - To help and motivate the students to study more effectively.
 - To evaluate the progress of the student and the effectiveness of the teacher.
 - To determine if the student meets the minimal requirements of the course;
 - To help the teacher ascertain the achievement of the course objectives.

Teachers submit soft copies and signed hard copies of their grade reports to the Registrar's Office. Before submission of grades to the Registrar's office the hard copies must be approved by the Faculty Dean or Head of Department.

Upon the Faculty acceptance of the grades, the grades are submitted to the Registrar.

The grade reports are kept in a file in the registrar's office vault. The teacher keeps a copy of the grade reports and a detailed copy is handed out to the Dean of the Faculty who files it for further reference. Once all the grades are entered into the computer, the grade transcripts are uploaded online and can be accessed by the students before they can register for the next semester.

The grading system in force at AUCA is a numerical one. The final maximum score is out of 20. The table of conversion indicates the average and the GPA grading as presented below:

Our System (Out of 20)	Class	Class	Letter Grade	Percentage	GPA (Out of 4)
16 – 20	Grand Distinction	First Class Honors	A	80-100%	3.2 - 4.0
14 – 15.9	Distinction	Second Class Honors Upper Division	B	70-79%	2.8 – 3.1
12 – 13.9	Satisfaction	Second Class Honors Lower Division	C	60-69%	2.4 – 3.0

- Incomplete Grade (IG)

If at the end of the semester a student fails to sit for examinations or does not meet all the academic requirements, the teacher gives an incomplete grade (IG). In such a case the student has a maximum period of one semester, provided the course is offered, ahead to complete the requirements of the full grade with financial implications, plus authentic justification. Failure to meet the requirements of the grade by the end of the given period, the grade will be recorded as a zero (0).

In case of sickness and loss of direct family member, the student who missed the exam will be allowed, after presenting required documents, to sit for a special exam upon recommendation from the faculty having studied the case.

In addition, a student who has not successfully completed his/her memoire during an academic session is required to register for a zero credit the following semester or academic year for his/her student's eligibility.

- **Claim on Grades**

- In case of claims, the student will fill a form to be analysed by a team of teachers appointed by the faculty. For a case of non-satisfaction the marked examination booklets should be availed to the students by the Faculty. These booklets will be kept for a period of one year.
- The student who is not satisfied with the awarded grade will start the claim process using the Claim Forms - first with the head of the department then with the Dean if not satisfied. From this level, if the student is still not satisfied, he/she may write an official letter to the academic committee, with a copy to the Dean of the Faculty.

- **Mean/Average**

The University determines two means/averages for the grades of the students:

1. The general (cumulative) mean includes the grades obtained from all the courses of the programme.
2. The major mean is obtained from core and major courses only.
3. If a student repeats a course, the highest grade obtained is considered in the calculation of the mean.
4. To be awarded a degree, the student must have a general cumulative average and a major cumulative average of at least 12/20.

g) Examinations Periods

The periods of examinations are indicated in the academic calendar and must strictly be respected. These are mid-semester and final exams. No other examinations may be conducted unless they are officially approved.

- Missing out on Exams

A student who misses out on examination (finals and mid-semester exams) will be allowed to take the missed exam in the next semester or whenever the course is offered next. The student will be required to complete a form for the make-up exam, provide justification for missing the exam and pay 25% of the cost of the course.

- Course Repetition

The repetition of a course in case of failure is allowed but it must be done during the next semester or when the course is scheduled again. Otherwise, the grade of the failed course is retained. Once the repeated course is successfully passed, the previous grade is retained on the transcript but does not count in the calculation of the mean. What counts in the calculation of the mean is the highest grade. The pass mark in a course is 10/20.

- **Course Audit**

A student can **audit** a course as many times as he/she would like at his/her own discretion but without a grade at a cost of 50% of the course credit. Auditing a course can be done before the student:

- is registered in the course officially
- repeats the failed course

- **Reintegration after Dismissal**

A student who has been dismissed from the University because of his/her poor academic performance, could still apply for reintegration into the University as a fresh student. All courses done before dismissal shall not be considered for graduation.

h) Student Status

- **Regular Student**

A student is considered regular after applying, meeting the requirements for admission, receiving an admission letter (for new students) and then registering and paying for courses in a Semester (all students). The student is allowed to take between 9 and 18 credits (or 19 exceptionally) per semester, for full-time programme, and between 6 and 15 credits, for part-time programme and in-service programme.

- Student on Probation

Any student whose general cumulative grade average and/or option (major) cumulative grade average is less than 12/20 automatically becomes a regular student on probation. Consequently, the student is limited to a maximum of 12 credits per semester for the full-time programme and 9 credits for the part-time programme. The student will be required to repeat failed courses. The following considerations will be applied for a student who is on probation:

1. The student who falls into the first probation has two more semesters to upgrade his/her grade.
2. If the student on probation upgrades his/her general and major cumulative grade—after one or two semesters— he/she is out of probation. If a student falls into probation three consecutive times, he/she has 3 options:
 - a. Change the major (option) if the student wishes and the change will get them out of probation.
 - b. Getting an average of 12 and above in both general and major averages
 - c. Getting a minimum average of 13 out of 20 points in the credits taken during this semester.

For option b and c the student must sign a commitment letter provided by the Registrar's Office.

- Auditee

An auditee is someone (student or not) who is auditing a course. This person is not allowed to do any assignment or examination. The auditee receives no academic grade nor document at the end of the course. The auditee pays half the cost of credit. In Information Technology such a student must have his/her own laptop. The auditee is allowed to register only with the approval of the Dean of the Faculty and the teacher of the course responsible for the course.

- Credit Transfer

A student may request to transfer credits obtained from other accredited institutions of higher education to AUCA, provided that such credits are not more than four years old, starting from the last year of enrollment. A student cannot transfer more than 50% of the Credits for the course.

Credits that have led the student to a certain degree in his/her former school are acceptable even if they are more than four years old. This also applies to the case of validation of the credits obtained from AUCA.

A student who has a transcript from another academic institution must present an official document from the government proving that the institution is chartered.

If an applicant has not yet obtained a transcript, his/her transcript should be mailed from the former University's Registrar to AUCA Registrar's office. Transferable credits shall be only those passed with 12/20 or above. However, for a graduate from AUCA who changes faculty, courses passed with 10/20 may be transferred. The grades transferred are not included in the calculation of the mean.

A transferring student shall be admitted after the examination of his/her application and transferrable credits shall be written on his/her transcripts.

- Official List of Enrolled Students

The provisional list of students enrolled in each course is made definite by the end of the first week of classes in the semester. The student whose name is not on the list is not allowed to attend the course and should suspend.

- Suspension

Students wishing to suspend the semester must complete a suspension form obtainable from the Registrar's office and fulfill the requirements as specified in Rwanda High Education general academic regulations. If the suspension is carried out during the first month of the current semester, the student receives a refund of tuition. There is no refund if the suspension occurs after the first month of the semester and all academic work previously carried out no longer counts.

A student who does not follow the official procedures for suspension is considered as having abandoned the course. He/she automatically receives the score of 0/20. No student shall suspend once the final exams have started. If a student suspends classes from the University, he/she must, prior to his/her departure, settle all the accounts and return all University property in his/her possession, including the student ID card. The suspension period is limited to two years. For a student who abandons/drops out, the course, readmission is possible under the following conditions:

1. The student who chooses to drop out must not exceed 2 years out of University.
2. On return, he/she pays a penalty fee set by the Administration.
3. A student who would wish to return after a drop out period of more than two years shall be considered as a dismissed student and may be readmitted as a new student.

i) Research Project Writing

The student is required to finish his/her studies with project writing. The project writing is taken towards the completion of the programme. The minimum period of writing is one semester and maximum is one academic year, except for some exceptional circumstances that are permitted by the Dean of the Faculty. If the student fails to comply with the project writing guidelines or thesis writing regulations, his/her topic will be cancelled. He/she will restart the project with a new topic. As previously mentioned, a student who has not successfully completed his/her research project during an academic session is required to register for a zero credit the following semester or academic year for his/her student's eligibility.

j) Internship

A student who undertakes internship can register for internship in the same semester in which he/she is taking it or a semester after. He/she should make sure that the Dean of the Faculty has given him/her written permission to go for internship. This permission is given only to the student who has an acceptance letter from the internship work place and has completed a minimum of 100 credits. At the end of the internship, the student has to make sure that he/she submits the internship report within two weeks after the registration period.

However, a student in the Faculty of Education is required to undertake internship considering the secondary school academic calendar and serve the chosen school for a period of three months. Upon completion, the student submits his/her internship report to the faculty for evaluation after two weeks of internship completion. Failure to do so would lead to a course failure and hence will repeat the internship.

After completion of 100 credits a student in the faculty of theology is given the whole semester for internship in a church.

k) Completion of Undergraduate Programme

The student of AUCA is required to complete his/her undergraduate studies in 4 years for full-time, 3 years for full-time accelerated programme and 5 years for part-time students and in-service programmes. Due to some circumstances, a student who does not finish in 4 or 5 years, will be allowed to continue her/his studies at AUCA for only 2 more academic years maximum.

4. GENERAL ACADEMIC REGULATIONS

Class Attendance and Academic Chapel

The student whose absences in a course are 25% of the maximum class hours will be suspended from the course. Any grade the student has obtained in this course will be cancelled. Coming late for more than 15 minutes automatically excludes the student from the class. Attendance at the academic chapel of the University is compulsory for all students. More than 3 absences a semester will result in a sanction.

Academic Honesty

There are guidelines and principles which govern the University excellence and integrity. The first principle is honesty—a fundamental principle governing the life of a Christian. Any deviation from this standard, however small, is a serious compromise of Christian standards. The second principle is the value that the University places on the academic excellence of its students. When students leave the university, AUCA wants the world to know they are Adventist University graduates. This is only possible if students are completely honest and do all the assignments to the best of their ability while at the University. For this reason, the University disciplines students who show academic dishonesty in any form. Thus, the following measures have been put in place:

1. Any grade obtained in a fraudulent manner is not recognised. Thus, the student gets 0 in the course he/she cheated. A student may be withdrawn from the course. A student may be suspended from all the courses for one semester or more. Each case will be examined individually.
2. Serious cases of cheating or fraud involve a dismissal of the student by the administrative committee, on recommendations of the disciplinary committee.
3. Other measures may be applied according to individual cases. For more information on student indiscipline, see the student handbook.
4. Any student who is caught in plagiarism, he/she will be suspended or dismissed from the University according to individual cases.

Academic Resources

The University provides the student with four major academic resources: library, computer laboratory, language laboratory, and Internet café.

The Library

AUCA library is a growing organism managed with profound professionalism to serve the academic and research needs of all users. It offers an ideal one stop Knowledge and Information centre known to be a heart of academics that aims at providing vital information for Teaching and Research purposes as well as highly conducive atmosphere for private reading whose tasks are to accomplish the functions and objectives as pertains the University Strategic Plan. The basic functions of acquiring, organizing and disseminating information are in accordance to the Library's Vision and Mission statement. More specifically it is to provide reading, reference, research materials and other library services to the students, faculty, academic and non-academic staff as well as a limited number of qualified outsiders/community.

The Library in the day to day interactions is guided by the Core Values of **KRISQC** (Knowledge, Respect, Integrity, Service, Quality and Communication).

Vision statement

A centre of excellence in delivery of distinctive Library and Information services essential for the pursuit of cutting-edge academic research, teaching, and lifelong faith-directed learners.

Mission statement

To provide wholistic Students, Faculty, Staff and Community based Library and Information Services aiming at study, teaching and research services necessary for lifelong learners and knowledge enhancement.

Library Sections

The current Library sections are: Silent Reading ZONE, Cloak Room, Periodicals and Reference (for borrowing old magazines, newspapers, and other reference collections), Current Awareness Service (CAS), Staff and graduate Section (Only for staff and graduate students), The Laptop Section (Only for Laptop users), Open Shelves, the Library Computer Lab/Research Section and the Circulation Section.

Library Services

Providing library users with point-of-use instructions, professional personal assistance in conducting literature search and other services, conducive to reading environment, Current Awareness Services (CAS), Selective Dissemination of Information (SDI), Reference Services, Researched works (Dissertations, Thesis, as well as staff Publications), Text books (in all subject disciplines), CDs and DVDs in all the above mentioned subjects, National and Internal Magazines and Journals, Official government publications, Internet services (for browsing the online resources), E-resources (online journals, magazines, and other textual information resources), Photocopying and Printing Services.

Physical Collections

Currently, the library has over 24,000 books covering various subjects' disciplines and over 70 titles of serials publications majority of whom are subscribed for. It is regularly equipped by purchasing up-to-date books. Publications are revised upwards and according to specialties.

E-collections/Services

AUCA physical library is also supported by E-Library Resources. These are electronic databases to which AUCA library users can have access to. Anyone who is at AUCA's computer can access these databases available in the website at www.auca.ac.rw

The library has a collection of CDs and DVDs available for research among the students and staff. These cover all subject disciplines, including educative religious movies.

The Library has 20 computers are intended for research and other academic purposes by users. Only one Computer is allowed per person at a time. Facebook, Twitter, Games, Music, and non-academic based activities are strictly prohibited.

Operational Hours Including Examination Periods (Subject to Change with Due Notice)

Day	Time
Monday - Thursday	8:00 am – 9:00 pm
Friday	8:00 am – 1:00 pm
Saturday (Sabbath)	Closed
Sunday	8:00 am – 9:00 pm

Accessibility

The library is open to students, alumni, and university staff during working hours as well as a limited number of qualified outsiders/community. Regular students and/or returning students have to get a free Library User Card at the beginning of an Academic year or every year. First year students are advised to register with the Library within the first three weeks. One will be required to present recent colored pass port size photograph and registration credentials. All home leanings are ONLY allowed to those with Library User Cards and MUST be presented at the entrance to the security upon entry. Students are to use their University IDs when borrowing Dissertations and other books for internal use only. All External Users MUST be registered with the Chief Librarian's Office before accessing any Library resource upon presentation of valid ID cards or student card of institutions they affiliated to.

Borrowing of Books

All present *members of the University are entitled to use the Library as Readers and Borrowers*. Former students who have completed a regular course of study may read in the Library and may apply for the Borrowing privileges as External borrowers through the Chief Librarian.

Academic staff of the University may borrow up to **10 (TEN)** volumes at a time for a period of **15 days** from the date of issue and renewable only once. The borrowed book may be taken again by the same person after two weeks from the date of renewal. This is with exception of reserved books. Students of AUCA may borrow up to **3 (THREE)** volumes at a time for the Period of **5 (FIVE)** days from the date of issue and renewable only once.

Administrative and the Technical staff of AUCA may borrow up to **2 (TWO)** Volumes at a time for the period of **1 (ONE)** week renewable once.

An external borrower from institutions that have connection with AUCA and that reside in Rwanda may have up to **2 (Two)** volumes at any working time for the period of not more than 12 hours from the hour and date of issue and non-renewable.

A staff member who is a defaulter shall pay a non-refundable reasonable fee of **500 RWF** per day from the date of overdue of each book.

In the case of students, a fine of **300 RWF** only is payable on overdue of each book in his/her possession each day until the reader reports that the book is lost.

All students who are not returning to AUCA must have a clearance form signed by the University Chief Librarian. Staff members who also wish to leave or terminate their services with the University must do likewise.

Research Projects/Dissertations and/or Theses are regarded as Reference Books (Reference Section). They may be borrowed during working days only for specific hours. These are not taken out of the Library building and must not be photocopied. Borrowing is only allowed for a maximum of 1 (one) hour.

Materials Not Allowed for Loan

Some library materials cannot be taken out of the library. They must be used within the library only. These materials are marked “FOR ROOM USE ONLY: NOT FOR LOANING”. These materials include reference books, periodicals, reserved materials, and other materials decided upon by the Library Committee.

Reserved Books

Books on reserve as may be specified by the library staff are for use by academic staff and students. Reserved books may be borrowed by students and staff for a maximum period of 2 (two) hours only or less with special permission from the library staff at the issue counter. Students must leave their original identity cards behind when borrowing reserved books and dissertations/theses. If a requested book is in use, reservation may be made for the person who needs it. Borrowers must return this category of books to the library issue counter before the loan period and must make sure that the loan has been cancelled out on the form. A teacher may reserve books and other library materials (handouts, pictures, CD's, DVD, etc) for a specific course. These reserved materials are also marked "FOR ROOM USE ONLY: NOT FOR LOANING". Those materials can be used only for one hour but may be extended if no one else has reserved them for its use.

General Rules and Regulations

Silence: Silence is to be observed in the Library all the time. Non-compliance to this is an offence and liable to punishment upon withdrawal of the Library card(s).

Mobile Phone: Mobile phones are not allowed in the library. Users MUST switch off their mobile phones or set them in a silent tone. Usage of cell phones as well as ringing Cell phones will be confiscated and withdrawal of the Library card.

Personal Belongings: Readers must leave their bags, brief cases, paper bags, etc to the Cloak Room with the Staff at the library entrance. Do not to keep valuable items in the bags. The Library Management accepts NO RESPONSIBILITY for personal belongings left in the Library.

Consumption of Food and Drinks: Food items and drinks are strictly prohibited in the library.

Reservation of Seats: the reservation of seats in the Library is not permitted. Books and other materials left for any length of time on chairs and tables may be removed by the Library staff. Items left in the Library will be cleared away during the closing time. Removal and or shifting of chairs and tables is not allowed in the Library.

Books picked and consulted: from the OPEN shelves should be left on the desk/table after use. Such books are not taken out of the library without proper charging and discharging procedures by Library Staff on duty.

Reading between the Shelves: Reading between shelves is prohibited because it interferes with the shelving and retrieval processes.

Before the Closing Time: of the Library the readers shall be informed by the Library staff by RINGING THE BELL 30 MINUTES before the closing time. All readers will be expected to vacate the Library by the Closing time.

Registration: No person shall borrow books from the Library until he or she has signed and renewed a Library User Card agreeing to abide by the Library Regulations. It is the responsibility of the borrower to ensure that the address given on his or her registration/Library card is up to-date.

Library Cards: Library cards are for entry into the Library and access to Library services. A separate form/card must be filled in for each book borrowed. Completed forms/cards and books must be handed over to the Library Assistants at the issue desk for verifications before the books are taken out of the Library. Library User Cards are to remain whenever a book is being taken from the circulation.

Borrowing/Library Cards: Library cards are completely not interchangeable among Library users. Lost cards should be reported in writing to the Chief Librarian. The replacement of lost cards shall be done at the cost of 500Frw.

All Laptops Owners: All laptops must be in one designated place (Laptops Section). No user shall be allowed in the Library with a laptop outside the designated Laptop Section

Computer Laboratory

The computer laboratory is designed to facilitate student access to various resources across the University system. The laboratory provides tools to reconcile theory and practice of computer science courses such as the use of word processing, spreadsheet and some software that can be used in the other courses the student takes at AUCA. A special handbook about the use of the computer laboratory is in the Faculty of Information Technology.

Internet Café

The University has a full-time internet connection that allows teachers and students' access to the academic community worldwide.

Language Laboratory

It consists of basic language equipment, computers with accessories, CDs, DVDs, radio-cassettes and tapes, lids, overhead projectors, screens, and other materials.

5. UNIVERSITY FEE STRUCTURE

Every year the University reviews the fee structure and announces it to the students and also makes it available on the AUCA website and notice boards.

The fee structure includes the following:

- Admission fee
- Registration fee
- Tuition fee per credit
- Facility fee
- Research Project/Thesis supervision fee
- Graduation fee
- Late registration fee

6. ACADEMIC PROGRAMMES

COURSE CODES

All the courses are labeled by a code of four letters, followed by a three digit number. The acronym of four letters identifies the faculty/course and the three digit number gives the domain/specification of the course. Three digit number stands as follows:

- The 1st digit indicates the year the course should be offered. All the courses which start with 1 and 2 are respectively taken in the 1st and 2nd year. Those which start with 3 and 4 are respectively taken in the 3rd and 4th years.
- The 2nd digit indicates the semester the course is taken. All the courses of which the number is 1 are taken in the 1st semester and those of which is 2 are taken in the 2nd semester.
- The 3rd number indicates the unique order or sequence in which the courses are to be taken in a semester.

This rule does not apply to "level courses" such as English Level, French Level, Math Level and Keyboarding.

The acronyms of four letters are defined as follows:

Acronym	Meaning
ACCT	Accounting
BIBL	Biblical language
BIOL	Biology
BSAD	Business Administration
ECON	Economics

EDUC	Education
EDPC	Psychology
ENGL	English
FNCE	Finance
FREN	French
GEOG	Geography
HIST	History
INSY	Information Technology
MATH	Mathematics
MKTG	Marketing
RELB	Old/New Testament books
RELG	General Theology
RELH	Church History
RELP	Practical Theology
RELT	Systematic Theology
SOCI	Sociology/Anthropology
STAT	Statistics
HELT	Health
MGMT	Management
COSC	Computer Science
SPEC	Special Methodology of Teaching
EDRE	Research in Education
EDTE	Teaching Methodology

EDAD	Educational Administration
SOPC	Social Psychology

DEFINITION OF TERMS

General Education Courses

General education courses are courses taken by every student at AUCA. The contents of these courses convey general knowledge that the student who graduates from AUCA should have. In general, the contents of some of these general courses reflect the philosophy of Education of the Adventist University of Central Africa.

Core (Professional) Courses

The core or professional courses provide basic skills and knowledge needed for better understanding for one's respective field of study. For example, every student who is in a certain faculty at AUCA (say, Business Administration, Education, IT, Theology, etc.) must take all the core or professional courses that are programmed in his/her faculty.

Concentration (Major) Courses

The concentration courses are those that define the specialization area of the student who is in a certain faculty at AUCA. These are added courses to the general and core (or professional) courses in AUCA.

Minor Courses

Minor courses represent a second area, besides the major, with which the student can perform other type of work or activities at the workplace. A very student who takes a major must also take a minor. Briefly, three main groups of courses, that is, general, core (professional), concentration (major) are courses taken by every student at AUCA. With regard to major and minor, notice that the performance of someone who has a minor in a certain area is less performing than one who has a major in the same area.

Internship

Internship (industrial attachment) is a practice that the student of AUCA uses to match theoretical knowledge with practical before graduation. In this practice the students are expected to practice with acquired skills and knowledge that are learned from their respective field of concentration (majors or areas of emphasis at AUCA). Comprehensively, internship is a general term which refers to the practical experience gained before graduation and is an equivalent name such as or teaching practice in case of education.

Research Project

A research project or memoire deals with a research problem that a student develops while taking classes at AUCA. The research project is done within the area of the faculty the student is registered. In order to help AUCA students to write their Research Project well, AUCA Research Manual is available and contains important writing rules and regulations that guide AUCA students in writing a research project.

Career Opportunities

The programme of Bachelor Degree at AUCA primarily produces qualified Administrators and Teachers, Accountants, Managers, IT professionals, and Theologians. Students from some of these areas are also capable of handling some management and leadership duties. Further, the programme trains the students to be capable of pursuing further studies in their respective subject areas.

GENERAL EDUCATION COURSES

The General Education Programme is designed to give the student a broad view of knowledge and the acquisition of relevant and useful skills in their respective areas of study. General education aims at fulfilling the objective of the Adventist Education through the wholistic approach of training individuals mentally, spiritually, physically and socially. Every student, unless exempted, is required to take the following General Courses in addition to the major or concentration and minor courses.

General/ Education Courses: 32 Credits

Course Code	Name of the Course	Credits	Prerequisite
ACCT 112	Principles of Accounting I	3	None
EDRM 113	Study and Research Methods	2	None
ENGL 114	English Grammar	3	None
RELB 116	Introduction to Bible Study	2	None
STAT 122	Descriptive Statistics	3	None
ENGL 128	English Writing Skills	3	English Grammar
INSY 116	Micro Computer Application	3	None
RELT 123	Bible Doctrines	3	Introduction to Bible Study
ENGL 219	English Speaking Skills	3	English Writing Skills
HELT 213	Health Principles	2	None
RELT 221	Philosophy, Science and Religion	2	None
ENGL 227	English Phonology	3	English Speaking Skills
TOTAL		32	

DESCRIPTION OF GENERAL EDUCATION COURSES

ACCT112

Principles of Accounting I

3 credits

This course is a study of basic accounting terminology, concepts, conventions, principles and procedures; the purpose of accounting information and its communication; users of financial information and their requirements; nature and scope of financial accounting and its limitations; the role of the accountant and ethical requirements; accounting cycle(identification and analysis of business transactions, recording in journals, posting in ledgers, preparation of unadjusted trial balance, preparation of basic financial statements, merchandizing operations, inventory management ; cash accounts and bank reconciliation; adjustments, preparation of final accounts/reports and closing the accounting period).

INSY116

Micro Computer Application

3 credits

This course is an application of all the theories and skills that the student majoring in Information Technology has learned. It acquaints the student with theoretical and practical skills and knowledge in Microsoft Word, Excel and Power Point, application of these are mostly done in a classroom and school setting. Through this course, the student (future teacher in secondary school) knows how to manage all school and classroom documents, presentations, and accounting using these applications.

ENGL 114

English Grammar

3 credits

This general course uses a traditional grammar approach to the study of parts of speech and the principal elements of the sentence structure: common sentence patterns, form and function of specific word classes, phrases and clauses, expression of morphological categories of number, person, gender, tense, mood, etc.

ENGL 128 English Writing Skills

3 credits

This course is a general education requirement for all students. It is designed to help students develop basic writing skills. Emphasis will be on sentence construction, paragraph development using methods, punctuation and capitalization, and essay writing. Four main kinds of approaches to composition will be taught: narrative, descriptive, epistolary and argumentative. The student will also practice writing précis, summary, reading reports, and letters. *Prerequisite: ENGL 114.*

ENGL 219 English Speaking Skills

3 Credits

The course is a study of human communication process that focuses on the individual interaction with another person in small groups and in the public communication situations. The course provides students with practice in speech preparation and presentation, both as individuals and as a team. Students also have an opportunity to do oral and written critical evaluations of fellow students' speeches. *Prerequisite: ENGL 128.*

STAT 122 Descriptive Statistics

3 credits

This is the study of basic descriptive, including meaning and role of statistics, data gathering, organization and presentation, measures of central tendency and dispersion, and measures of shape, probability sampling and distribution, point and interval estimate, confidence intervals and levels, statistical inferences involving the binominal, normal, Poisson and the Chi-square distribution, simple linear regression and correlation.

EDRM113 Study and Research Methods

2 credits

The course of Methods of Study and Research introduces a student to academic studies while teaching him/her the material to learn, time management, note taking and use of the library.

HELT 213**Health Principles****2 credits**

The course provides an introduction to important concepts of health which are composed of Physical, Psychological, Social, Spiritual and Philosophical dimensions. Students are assisted to identify unhealthy behavior and measures to correct them.

RELT 123**Bible Doctrines****3 credits**

Systematic study of general Doctrines of the Christian Church Adventist perspective: the Doctrines of God (revelation, inspiration, creation, the Sabbath), the Doctrines of man (from the image of God, the fall, the ethical / moral destiny), and the Doctrines of Christ (incarnation, nature, and office).

RELT 221**Philosophy, Science and Religion****2 credits**

Comparison of goals and methods of philosophy, science and theology. Assessment of the relationship between science and religion over the centuries. Notion of truth in philosophy, science, and religion. Working methods and scientific results that contribute to a better understanding of God. Study of some philosophies which have challenged the belief in God, rationalism, positivism, Marxism, existentialism, and evolutionism.

RELB116**Introduction to Bible Study****2 credits**

This course aims at teaching students of Adventist University of AUCA how to read the Bible by themselves. During this course, the following topics will be discussed: the definition of the Bible, learning about Bible authors and their periods of writing the Old and New Testament; the birth of the gospels, and Acts of the Apostles. The discussion of different methods/principles of reading and even interpreting the Bible with practical exercises from the Bible is the integral part of this course.

ENGL 227**English Phonology****3 credits**

This course gives a broad definition of phonetics and phonology of English. It focuses on articulatory phonetics and the technical terms required for the description and classification of speech sounds, speech production mechanisms and speech sound symbols. It also deals with the manner in which vowels and consonants are produced and the parameters used in their description. The main thrust of the course is on the application of phonetic science to the teaching of proper pronunciation. Practical exercises in phonetic transcription and articulation will be emphasized. Familiarity with the IPA chart and the IPA system of transcription is stressed. *Prerequisite: ENGL 219*

FACULTY OF BUSINESS ADMINISTRATION

7. FACULTY OF BUSINESS ADMINISTRATION

Introduction

The Faculty of Business Administration at Adventist University of Central Africa (AUCA) is aiming at fulfilling the requirements of the Seventh-day Adventist Church teachers' certification and the Rwandan Ministry of Education. The introduction of general, core (professional), and concentration courses is designed to broaden the skills, knowledge and the competencies of the student to make them compete worldwide.

Philosophy

The Faculty of Business Administration subscribes to the philosophy of the Seventh-day Adventist Church as enshrined in the teachings of White, E. G. It also believes that integrity, honesty and moral values are needed in the character of human characters our humanity pursues the knowledge and philosophies of this world.

Mission

AUCA's Faculty of Business Administration aims to train, equip and produce competent and high quality Christian educators, business practitioners, researchers, accountants, managers and financial analyst for service in the public and private sector.

Vision

The Faculty of Business Administration envisions itself of becoming a world-class centre of excellence in accounting, finance, management and other professional studies.

Objectives

The objectives of the faculty are:

- To equip students with the necessary skills, knowledge, and attitudes to understand, interpret and communicate financial matters.
- To train students as effective servant-leaders in accounting, management and financial controlling aspect in business administration.
- To inculcate in students' Christian values and ethics in accounting and other related professions.
- To prepare students for advanced studies and research in accounting, finance and management.
- To prepare students for ATC, CMT, IST, CPA, CPS, ACCA and other professional examinations.

COMPETENCIES FOR BACHELOR'S DEGREE

Faculty of Business Administration competencies are based upon Seventh-day Adventist Church philosophy, Adventist University of Central Africa (AUCA) Philosophy and Rwanda High Education Council Framework. As a result, the following AUCA learning outcomes are threaded throughout the AUCA Competency-Based BBA program with a strong foundation built into the general education domain:

- **Applied Learning:** Design a project, paper, performance, or other appropriate task linking knowledge skills from work, experiential learning, or community activities with knowledge acquired in academic disciplines.
- **Innovation and Creativity:** Construct a novel or unique idea, question, format, or product.
- **Civic Engagement:** Describe insights gained from engaging physically and/or intellectually with activities of personal and public concern that are both individually life enriching and socially beneficial to the community.
- **Global Cultures:** Explain the relationship between a global issue and the history, values, politics, economy, communication styles, or beliefs and practices of one or more cultures affected by that issue.
- **Integrated Learning:** Devise connections among experiences inside and outside the formal classroom, or connections among multiple fields of study.

COMPETENCES FOR DIPLOMA IN HIGHER EDUCATION (A1)

The Diploma of Business Administration qualification is suited to roles where there is the requirement for specialist knowledge in administration management. The Diploma of Business Administration qualification allows a wide range of subject options to enable organisations to select the skills and knowledge that their staff would benefit from. This flexibility with subject choice makes this qualification an extremely flexible one that can be tailored for most financial services organisations and job roles

EXIT PROFILE/CAREER OPPORTUNITIES FOR BACHELOR'S DEGREE

- **Bachelor Degree with a major in accountant**

Accounting is a field that will always be in demand and it is a field that you can continue to grow and move up inside your company. Careers in Accounting are: accountant, accounting Assistant, accounting clerk, accounting manager, accounts payable clerk, accounts receivable clerk, bookkeeping, budget analyst, Internal Auditor, Chief Financial Officer (CFO), comptroller/controller, a public accountant, Forensic Accountant, government Accountant, payroll clerk, staff accountant, tax accountant, etc...

- **Bachelor Degree with a major in Management**

Management is a field that will always be in demand and it is a field that you can continue to grow and move up inside your company. Careers of a manager are: project manager, Plant/construction manager, human resources officer, logistics and distribution manager, Marketing executive, retail manager, sales executive, systems analyst. Manager may also become a monitor vendor invoices and look for ways to reduce product costs, hire and maintain an active and productive sales force, Work with human resources to create accurate sales professional job descriptions, Collaborate with our marketing team to implement effective sales floor promotions, Create scheduling policies that keep the sales floor properly staffed based on historical sales volume data, you can become also an accountant for medium business.

- **Bachelor Degree with a major in Finance**

Management is a field that will always be in demand and it is a field that you can continue to grow and move up inside your company. Careers of someone who has a degree in business administration with a major in finance are: financial planner, financial analyst, investor relations associate, budget analyst, actuary, accountant for medium business, credit analyst, attorney, etc...

- **Bachelor Degree with a major in Marketing**

Management is a field that will always be in demand and it is a field that you can continue to grow and move up inside your company. Careers of someone who has a degree in business administration with a major in marketing are: marketing manager, brand marketing manager, Marketing copywriter, Search engine marketing specialist, Social media marketing specialist, User experience designer, Charity sector marketing specialist. They may become also advertising account executive, advertising account planner, advertising art director, market researcher, marketing executive, media buyer, media planner, public relations account executive, accountant for medium business etc...

Majors

The bachelor of Business Administration is made of the following Majors:

- **Accounting**
- **Finance**
- **Management**
- **Marketing**

Summary of Courses

The bachelor of Business Administration is made of the following subdivisions:

General Education	32
Core (Professional) Courses in Business Administration	74
Major (Concentration)	<u>30</u>
TOTAL OF CREDITS	136

List of Core (Professional) Courses in Business Administration

Course Code	Course Name	Credits	Prerequisite
MATH 110	General Mathematics	3	None
MGMT124	Principles of Management	3	None
MATH 111	Business Mathematics	3	None
ACCT 125	Principles of Accounting II	3	Principles of Accounting I
ECON 126	Microeconomics	3	None
BSAD 213	Business Law I	3	None
STAT 215	Inferential Statistics	3	Descriptive Statistics
ACCT 214	Intermediate Accounting I	3	Principles of Accounting II
ECON 216	Macroeconomics	3	Microeconomics

MKTG 225	Principles of Marketing	3	Principles of Management
INSY 226	Management Information System	3	Microcomputer application and Principles of Management
BSAD 228	Business Communication	3	English Writing Skills
BSAD 227	Business Law II	3	Business Law I
ACCT 314	Managerial Accounting	3	Intermediate Accounting I
BSAD 314	Entrepreneurship	3	None
BSAD 315	Human Resource Management	3	Principles of Management
BSAD 322	Business Research Methods	3	Inferential Statistics and Intermediate Accounting I
BSAD 324	Financial Management	3	Managerial Accounting
INAT 413	Internship (Industrial Attachment)	3	100 credits
BSAD 415	Production and Operation Management	3	Managerial Accounting
MGMT 418	Procurement management	3	Business Law II
BSAD 420	Business Ethics	2	100 credits
BSAD 423	Strategic Management	3	Production and Operation Management
BSAD 427	Research Project	6	Business Research Methods and Internship (Industrial Attachment)
Total		74	

7.1. DESCRIPTION OF CORE COURSES

MATH 110 General Mathematics 3 credits

Since mathematics is the foundation of many sciences, students should have basic fundamental notions in mathematics, high mathematics and statistics and probability theory and in other fields where mathematic knowledge is required. The subject is of theoretical and practical nature and is intended to provide students with the basic concepts of mathematical language, processes and procedures that enable students to develop the skills in the application of mathematics to problems related to their profession. The course includes: Fundamental review of algebra, Set Theory, Real numbers, Functions and Graphs, Matrices and Determinants, limits, the derivative, ant derivatives and its applications.

MGMT124 Principles of Management 3 credits

Study of different phases of the development of enterprises; study of the management process: planning, organization leading, controlling and the prospects for the future management and decision-making process.

MATH 111 Business Mathematics 3 credits

This is an essential foundation Mathematics subject for professional in business. It develops Mathematical topics such as: Exponential and logarithmic functions and their applications in business area (simple and compound interest, annual percentage rate (APR), Depreciation , discounting), Progressions and its application in business area such as: present and future value of money and investment appraisal techniques, annuities, mortgages, amortization, business applications of linear and quadratic equations, indices numbers, introduction about linear programming such as: simple linear programming and simplex, transportation and assignments problems ***Prerequisite: MATH 110***

ACCT 123 Principles of Accounting II

3 credits

As a continuation of principles of accounting I, the course deals with accounting of the following items using GAAPs, IAS'S and IFRS: receivables, notes and payables; plant assets and intangibles; cash-flows statement basics; long term liabilities; partnership and corporate forms of business ownerships and the accounting associated with such ownership. *Prerequisite: ACCT 112.*

ECON 126 Microeconomics

3 credits

This the first course of introductory courses in economic theory. It covers the basic concepts in microeconomics and their analysis. The market mechanism: demand, supply and market equilibrium, elasticity, consumer choice and demand, firms and production, costs of production, profit maximization, market structures, and the factor markets, market imperfection and government intervention.

ACCT 214 Intermediate Accounting I

3 credits

This course is a review of the basic accounting concepts and principles with the objective of acquiring broader perspective in the area of financial statements preparation, interpretation and analysis of financial statements (using ratios and trend analysis); accounting for revenue in construction contracts; events after the balance sheet date; current assets and their related revenue accounts and time value of money. *Prerequisite: ACCT 125.*

MKTG 225 Principles of Marketing

3 credits

A study reports; marketing/ production, marketing/consumer, marketing/ intermediary. Study methods to improve the consumer inventory of the most conducive to market and ways to achieve this; study the behaviour of a consumer. The major marketing institutions, programmes strategies, and practices examined from the viewpoint of their effects on the exchange process involved in moving goods from producers to ultimate consumers. *Prerequisite: MGMT124*

BSAD 315 Human Resource Management

3 credits

A study of the role and nature of the human resource management forms of capital, history and the main functions: human resource planning, staffing, training, education, evaluation, compensation, labour relations etc. *Prerequisite: MGMT124.*

ECON 216

Macroeconomics

3 credits

This is a course which introduces the students to economic theory covering basic concepts and analysis in macroeconomics. It covers macroeconomic aggregates and their measurements, gross domestic product and economic growth, unemployment and employment, price levels and inflation, national income accounts, national income as an indication of social welfare, aggregate demand and aggregate supply models, the classic model, the Keynesian model of income determination, fiscal policy, economic growth and development. *Prerequisite: ECON 126*

BSAD 213

Business Law I

3 credits

The concept of law in general, including the definition of law in general and the importance of law in society, purpose of the rule of law, comparing the rule of law from other rules. The right perfect and imperfect law; character of the rule of law, sources of law, interpretation of the rule of law, the right and the right goal; acquisition, transfer and extinguishment. Particular attention will be given to key areas of law: national law and international law, public law and private law and the judicial law.

BSAD 227

Business Law II

3 credits

Definition of commercial law, the sources of commercial law, the acts of trade, and incompatibilities with the profession of the trader, and the effects of trade; corporations: Definition of the legal person of a corporation, the legal nature of corporate personality, commercial company, processing, splitting and merging of a commercial or industrial, various kinds of companies (companies of people and companies of the capital). The bankruptcy of a company. *Prerequisite: BSAD 213*

BSAD 228 Business Communications 3 credits

Development of effective communication for business and management through written letters, memoranda, and short reports. Analytical skills and effective expression are developed through applying communication principles to case situations. *Prerequisite: ENGL 128*

STAT 215 Inferential Statistics 3 credits

Review of the simple regression and correlation theory, multiple and partial correlation, multiple regression, significance of the correlation ratios, ANOVA (One, two and three way classification), post hoc multiple comparison tests (Tukey, Newman Keuls, Tukey/Kramer and Scheffé's methods), chi square test and non-parametric tests (Sign, Wilcoxon's Matched Pairs Signed Ranks, Wilcoxon Rank Sum, Median, Mann Whitney U, Wald Wolfowitz Runs, Kruskal Wallis H, Friedman, Fr, Spearman's rho McNemar and Cohran Q tests). And Statistic software (SPSS). *Prerequisite: STAT 122.*

INSY 226 Management Information System 3 credits

The course covers the use and effect of computer information processing in a business environment with emphasis on management; computer system theory; business computing equipments; management concerns such as decision support system, computer security, and data base management information system; systems life cycle and systems analysis and design. Includes use of business software such as network systems, data base implementations, statistic packages, forecasting programmes, and simulations. *Prerequisite: INSY 116 and MGMT 124*

BSAD 322 Business Research Method 3 credits

This course deals with Science and the scientific approach, problems and hypotheses, designs or research, sampling, methods of observation and data collection measurement/scaling methods, multiple regression analysis or data and presentation of research reports, any other topical issue. *Prerequisites: STAT 215 and ACCT 214.*

INAT 413 Internship (Industrial Attachment)

3 credits

Practical experience in a recognized in various fields of management accounting. A written report will be prepared by students under the direction of his/her supervisor. *Prerequisite: 100 credits*

ACCT 313 Managerial Accounting

3 credits

This course is a study of nature, scope of management accounting; the relationship between management and financial accounting; cost classifications, the role of the management accountant; cost behavior patterns and identification of fixed and variable elements; break-even analysis; cost-volume profit analysis; relevant costs principles and decision making; qualitative factors for decision making; the role of budgeting and budgeting systems; budgetary process; functional and subsidiary budgets; standard costing and variance analysis. *Prerequisite: ACCT 214.*

BSAD 324 Financial Management

3 credits

This course aims to develop knowledge and thorough understanding in the field of financial management practices to assess the benefits of various sources of financing and investment opportunities and the application of technical accounting manager in planning and control business. It contains mainly the implementation of the standard cost method, preparation of budgets and their use for monitoring and evaluating the performance of an organization, explaining the role and purpose of financial management and evaluation of management of working capital, the study of sources of funding, evaluating investments using the appropriate methods. *Prerequisite: ACCT 214.*

BSAD 314 Entrepreneurship

3 credits

This is the aims to develop the capacity for innovation, investment and expansion in a new markets, products, and techniques. At the end of this course student should elaborate and present a business plan of his/her own choice.

BSAD 415 Production and Operation Management 3 credits

Analysis of problems and issues faced by production/operations managers in manufacturing, merchandising, and service businesses. Concepts and techniques covered include: scheduling, quality control, plant layout, facility location, line balancing, queue analysis, production and inventory controls, forecasting, decision theories and linear Programming. *Prerequisite: BSAD 314.*

MGMT 418 Procurement Management 3 credits

This subject will include different topics such as an introduction to the best practice in purchasing and procurement management, Basics of procurement, Bid and Tender Management, Strategic procurement, purchasing personnel, advanced negotiation for purchasing personnel, advanced procurement, contract management and effective negotiation, What buyer need to know, buying from abroad, Financial tools in procurement, stock management, demand planning and forecasting, international procurement finally procurement and supply operations. *Prerequisite: 227*

BSAD 417 Business Ethics 2 credits

This course aims to teach students the professional code of ethics and the importance of ethical behavior in business and outside professionals. It mainly contains: The professional code of ethics, classical philosophies, moral development stages, and international ethics and organizational behavior, corporate 5 responsibility, ethics and culture, ethics and science. *Prerequisite: 100 credits*

BSAD 423 Strategic Management 3 credits

The course aims to teach student the process of specifying the organization's mission, vision and objectives, developing policies and plans, often in terms of projects and programmes, which are designed to achieve these objectives, and then allocating resources to implement the policies and plans, projects and programmes. *Prerequisite: BSAD 324.*

BSAD 423**Strategic Management****3 credits**

The course aims to teach student the process of specifying the organization's mission, vision and objectives, developing policies and plans, often in terms of projects and programmes, which are designed to achieve these objectives, and then allocating resources to implement the policies and plans, projects and programmes. *Prerequisite: BSAD 324.*

BSAD 427**Research Project (Memoire)****6 credits**

This is a course which was proposed by the students and approved by the faculty. It is a detailed study of given problem to put into practice the knowledge acquired by students during their training. The project is before the panel members. *Prerequisite: 118 credits*

7.2. MAJOR COURSES IN ACCOUNTING

DEGREE: BACHELOR OF BUSINESS ADMINISTRATION IN ACCOUNTING

Summary of Courses

General Education	32
Core (Professional) Courses in Business Administration	74
Major (Concentration)	<u>30</u>
TOTAL OF CREDITS	136

Structure and Degree Requirements for Graduation

In order for AUCA student to graduate with the degree of Bachelor of Business Administration (Major: Accounting), he/she should complete the requirements as outlined in the table above and as described below.

General Education Courses

For the general education courses, check the section of general education requirements for details.

Core (Professional) Courses

For the core (professional courses) in Business Administration, check in the section of core courses. Major Courses (check in the following Table)

List of Major (Concentration) Courses in Accounting

Course Code	Course Name	Credits	Prerequisite
ACCT 224	Intermediate Accounting II	3	Intermediate Accounting I
INSY 313	Accounting Software Application	3	Intermediate Accounting II
ACCT 312	Advanced Accounting I	3	Intermediate Accounting II
FNCE 316	Money and Banking	3	Macroeconomics
ACCT 319	Taxation	3	Business Law II
ACCT 321	Advanced Accounting II	3	Advanced Accounting I
ACCT 324	Cost Accounting	3	Managerial Accounting
ACCT 411	Auditing I	3	Advanced Accounting I
ACCT 416	Public Accounting	3	Intermediate Accounting II
ACCT 421	Auditing II	3	Auditing I
Total		30	

7.3.DESRIPTION OF MAJOR COURSES IN ACCOUNTING

ACCT 224 Intermediate Accounting II 3 credits

As a continuation of Intermediate Accounting I, this course deals with a study of accounting concepts and principles; inventory management; accounting policies and changes in accounting estimates and errors; plant, property and equipment; intangibles assets; investments and financial instruments; leases; provisions and contingencies; earning per share; income taxes; accounting for receivables; accounting for pension and post-retirement benefits. *Prerequisite: ACCT 214.*

ACCT 324 Cost Accounting 3 credits

This course is a study of cost determination, accumulation systems (accounting for materials' labor and overheads, and preparation integrated accounts) allocation procedures. Costing methods (job and batch costing); process costing, costing in non- manufacturing sectors; marginal and absorption costing approaches. *Prerequisite: ACCT 126*

ACCT 312 Advanced Accounting I 3 credits

This course deals with advanced financial accounting theory with problems in preparation and presentation of financial statements for corporations; joint ventures; branch accounts; consignments and other agency selling; investment in securities (equity); preparation of consolidated financial statements; (group accounts and business combination); interpretation and analysis of financial statements. *Prerequisite: ACCT 224.*

ACCT 321 Advanced Accounting II 3 credits

This is a continuation of Advanced Accounting I. A study of multinational accounting, bankruptcies and liquidation; world wide diversity and adoption of IFRS; Interim and segment reporting; accounting for non-profit organizations (clubs, charities, hospitals, schools, etc.); insurance companies. *Prerequisite: ACCT 312.*

INSY 313 Accounting Software Application 3 credits

This course deals with application software that records and processes accounting transactions within functional modules such as accounts payable, accounts receivable, payroll, trial balance, and preparation of financial statements. It functions as an accounting information system. *Prerequisite: ACCT 224.*

ACCT 319 Taxation 3 credits

This course is a study of the general principles of income taxation as it applies to individuals, proprietorships and corporations, and the tax structures in Rwanda. Students are required to prepare income tax returns for individuals and corporations. Value added tax, transfer tax, and other related topics are also covered in this course. *Prerequisite: BSAD 227.*

FNCE 316 Money and Banking 3 credits

The course features the nature and qualities of money, commercial banking, operation and controls of central banks such as the National Bank of Rwanda. The course also focuses on the U.S. Federal Reserve System, money and credit circulation, and effects of monetary policies. *Prerequisite: ECON216*

ACCT 411 Auditing I 3 credits

This course is an examination of financial statements as applied by internal and external auditors. It deals with auditing theory, audit standards and professional ethics. *Prerequisite: ACCT 312.*

ACCT 421 Auditing II 3 credits

As a continuation of auditing I, the course covers the detailed audit of the balance sheet accounts and the related revenue and expense accounts. Principles of internal control are emphasized. It also includes topics in operational and governmental audit. Practical audit problems and auditing in an electronic data processing environment are incorporated in this course. *Prerequisite: ACCT 411.*

ACCT 416

Public Accounting

3 credits

This course focuses on current standards, practices, operations, analysis of transactions, and other accounting concepts involved in financial accounting of governmental and non-profit organization. *Prerequisite: ACCT 224.*

7.4. DISTRIBUTION OF COURSES BY SEMESTER IN A PROGRAMME OF 4 YEARS AND 3 YEARS AND 5 YEARS

7.4.1. Accounting - 4 Years Full Time Programme

DEGREE: BACHELOR OF BUSINESS ADMINISTRATION IN ACCOUNTING

YEAR ONE SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
MATH 110	General Mathematics	3	30	15	90	135
MGMT 124	Principle of Management	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
EDRM 113	Study and Research Methods	2	20	10	60	90
ENGL 114	English Grammar	3	30	15	90	135
RELB 115	Introduction to Bible Study	2	20	10	60	90
INSY 116	Microcomputer Application	3	30	15	90	135
	Total	19	190	95	570	855

YEAR ONE SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
STAT 122	Descriptive Statistics	3	30	15	90	135
RELT 123	Bible Doctrines	3	30	15	90	135
ACCT 125	Principles of Accounting II	3	30	15	90	135
ECON 126	Microeconomics	3	30	15	90	135
MATH 111	Business Mathematics	3	30	15	90	135
ENGL 128	English Writing Skills	3	30	15	90	135
	Total	18	180	90	540	810

YEAR TWO SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
ACCT 214	Intermediate Accounting I	3	30	15	90	135
STAT 215	Inferential Statistics	3	30	15	90	135
ECON 216	Macroeconomics	3	30	15	90	135

HELT 213	Health Principles	2	10	20	60	90
BSAD 213	Business Law I	3	30	15	90	135
ENGL 218	English Speaking Skills	3	30	15	90	135
	Total	17	160	95	510	765

YEAR TWO SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
ACCT 224	Intermediate Accounting II	3	30	15	90	135
MKTG 225	Principles of Marketing	3	30	15	90	135
BSAD 228	Business Communication	3	30	15	90	135
INSY 226	Management Information System	3	30	15	90	135
ENGL 227	English Phonology	3	30	15	90	135
BSAD 227	Business Law II	3	30	15	90	135
	Total	18	180	90	540	810

YEAR THREE SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
RELT 221	Philosophy, Science and Religion	2	10	20	60	90

ACCT 312	Advanced Accounting I	3	30	15	90	135
INSY 313	Accounting Software Application	3	30	15	90	135
ACCT 313	Managerial Accounting	3	30	15	90	135
BSAD 314	Entrepreneurship	3	30	15	90	135
BSAD 315	Human Resource Management	3	30	15	90	135
	Total	17	160	95	510	765

YEAR THREE SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
FNCE 316	Money and Banking	3	30	15	90	135
ACCT 321	Advanced Accounting II	3	30	15	90	135
BSAD 322	Business Research Method	3	30	15	90	135
BSAD 324	Financial Management	3	30	15	90	135
ACCT 324	Cost Accounting	3	30	15	90	135
INAT 413	Internship (Industrial Attachment)	3	30	15	90	135
	Total	18	180	90	540	810

YEAR FOUR SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
ACCT 329	Taxation	3	30	15	90	135
ACCT 411	Auditing I	3	30	15	90	135
BSAD 417	Business Ethics	2	10	20	60	90
MGMT 418	Procurement management	3	30	15	90	135
BSAD 415	Productions Operation Management	3	30	15	90	135
ACCT 416	Public Accounting	3	30	15	90	135
	Total	17	160	95	510	765

YEAR FOUR SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
ACCT 421	Auditing II	3	30	15	90	135
BSAD 423	Strategic Management	3	30	15	90	135
BSAD 427	Research Project (Memoire)	6	30	60	180	270
	Total	12	120	60	360	540

7.4.2. Accounting - 3 Years with Summer Full Time Programme

DEGREE: BACHELOR OF BUSINESS ADMINISTRATION IN ACCOUNTING

YEAR ONE SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
MATH 110	General Mathematics	3	30	15	90	135
MGMT 124	Principle of Management	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
EDRM 113	Study and Research Methods	2	20	10	60	90
ENGL 114	English Grammar	3	30	15	90	135
RELB 115	Introduction to Bible Study	2	20	10	60	90
INSY 116	Microcomputer Application	3	30	15	90	135
	Total	19	190	95	570	855

YEAR ONE SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
STAT 122	Descriptive Statistics	3	30	15	90	135
RELT 123	Bible Doctrines	3	30	15	90	135

ACCT 125	Principles of Accounting II	3	30	15	90	135
ECON 126	Microeconomics	3	30	15	90	135
MATH 111	Business Mathematics	3	30	15	90	135
ENGL 128	English Writing Skills	3	30	15	90	135
	Total	18	180	90	540	810

YEAR ONE SUMMER SEMESTER

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
ACCT 214	Intermediate Accounting I	3	30	15	90	135
STAT 215	Inferential Statistics	3	30	15	90	135
ECON 216	Macroeconomics	3	30	15	90	135
	Total	9	90	45	270	405

YEAR TWO SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
HELT 213	Health Principles	2	10	20	60	90
BSAD 213	Business Law I	3	30	15	90	135
ENGL 218	English Speaking Skills	3	30	15	90	135

ACCT 224	Intermediate Accounting II	3	30	15	90	135
MKTG 225	Principles of Marketing	3	30	15	90	135
BSAD 228	Business Communication	3	30	15	90	135
	Total	17	160	95	510	765

YEAR TWO SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
RELT 221	Philosophy, Science and Religion	2	10	20	60	90
INSY 226	Management Information System	3	30	15	90	135
ENGL 227	English Phonology	3	30	15	90	135
BSAD 227	Business Law II	3	30	15	90	135
ACCT 312	Advanced Accounting I	3	30	15	90	135
INSY 313	Accounting Software Application	3	30	15	90	135
	Total	17	160	95	510	765

YEAR TWO SUMMER SEMESTER

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
ACCT 321	Advanced Accounting II	3	30	15	90	135
ACCT 313	Managerial Accounting	3	30	15	90	135
INAT 413	Internship (Industrial Attachment)	3	30	15	90	135
	Total	9	90	45	270	405

YEAR THREE SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
BSAD 315	Human Resource Management	3	30	15	90	135
FNCE 316	Money and Banking	3	30	15	90	135
BSAD 322	Business Research Method	3	30	15	90	135
BSAD 324	Financial Management	3	30	15	90	135
ACCT 324	Cost Accounting	3	30	15	90	135
ACCT 329	Taxation	3	30	15	90	135
	Total	18	180	90	540	810

YEAR THREE SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
BSAD 314	Entrepreneurship	3	30	15	90	135
ACCT 411	Auditing I	3	30	15	90	135
BSAD 417	Business Ethics	2	10	20	60	90
MGMT 418	Procurement management	3	30	15	90	135
BSAD 415	Productions Operation Management	3	30	15	90	135
ACCT 416	Public Accounting	3	30	15	90	135
	Total	17	160	95	510	765

YEAR THREE SUMMER SEMESTER

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
ACCT 421	Auditing II	3	30	15	90	135
BSAD 423	Strategic Management	3	30	15	90	135
BSAD 427	Research Project (Memoire)	6	30	60	180	270
	Total	12	120	60	360	540

7.4.3. Accounting - 5 Years Part Time Programme

DEGREE: BACHELOR OF BUSINESS ADMINISTRATION IN ACCOUNTING

YEAR ONE SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
MATH 110	General Mathematics	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
EDRM 113	Study and Research Methods	2	20	10	60	90
ENGL 114	English Grammar	3	30	15	90	135
INSY 116	Microcomputer Application	3	30	15	90	135
	Total	14	140	70	420	630

YEAR ONE SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
MATH 111	Business Mathematics	3	30	15	90	135
MGMT 124	Principle of Management	3	30	15	90	135
RELB 115	Introduction to Bible Study	2	20	10	60	90
ACCT 125	Principles of Accounting II	3	30	15	90	135
ENGL 128	English Writing Skills	3	30	15	90	135
	Total	14	140	70	420	630

YEAR TWO SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
STAT 122	Descriptive Statistics	3	30	15	90	135
RELT 123	Bible Doctrines	3	30	15	90	135
ECON 126	Microeconomics	3	30	15	90	135
ACCT 214	Intermediate Accounting I	3	30	15	90	135
ENGL 218	English Speaking Skills	3	30	15	90	135
	Total	15	150	75	450	675

YEAR TWO SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
STAT 215	Inferential Statistics	3	30	15	90	135
ECON 216	Macroeconomics	3	30	15	90	135
HELT 213	Health Principles	2	10	20	60	90
BSAD 213	Business Law I	3	30	15	90	135
ACCT 224	Intermediate Accounting II	3	30	15	90	135
	Total	14	130	80	420	630

YEAR THREE SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
MKTG 225	Principles of Marketing	3	30	15	90	135
BSAD 228	Business Communication	3	30	15	90	135
INSY 226	Management Information System	3	30	15	90	135
ENGL 227	English Phonology	3	30	15	90	135
BSAD 227	Business Law II	3	30	15	90	135
	Total	15	150	75	450	675

YEAR THREE SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
RELT 221	Philosophy, Science and Religion	2	10	20	60	90
ACCT 312	Advanced Accounting I	3	30	15	90	135
INSY 313	Accounting Software Application	3	30	15	90	135
ACCT 313	Managerial Accounting	3	30	15	90	135
BSAD 314	Entrepreneurship	3	30	15	90	135
	Total	14	130	80	420	630

YEAR FOUR SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
BSAD 315	Human Resource Management	3	30	15	90	135
FNCE 316	Money and Banking	3	30	15	90	135
ACCT 321	Advanced Accounting II	3	30	15	90	135
BSAD 324	Financial Management	3	30	15	90	135
ACCT 324	Cost Accounting	3	30	15	90	135
	Total	15	150	75	450	675

YEAR FOUR SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
ACCT 329	Taxation	3	30	15	90	135
BSAD 322	Business Research Method	3	30	15	90	135
ACCT 411	Auditing I	3	30	15	90	135
BSAD 417	Business Ethics	2	10	20	60	90
MGMT 418	Procurement management	3	30	15	90	135
	Total	14	130	80	420	630

YEAR FIVE SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
BSAD 415	Productions Operation Management	3	30	15	90	135
ACCT 416	Public Accounting	3	30	15	90	135
INAT 413	Internship (Industrial Attachment)	3	30	15	90	135
ACCT 421	Auditing II	3	30	15	90	135
BSAD 423	Strategic Management	3	30	15	90	135
	Total	15	150	75	450	675

YEAR FIVE SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
BSAD 427	Research Project	6	30	60	180	270
	Total	6	30	60	180	270

7.5. MAJOR COURSES IN MANAGEMENT

DEGREE: BACHELOR OF BUSINESS ADMINISTRATION IN MANAGEMENT

Summary of Courses

General Education	32
Core (Professional) Courses in Business Administration	74
Major (Concentration)	<u>30</u>
TOTAL OF CREDITS	136

Structure and Degree Requirements for Graduation

In order for AUCA student to graduate with the degree of Bachelor of Business Administration (Major: Management), he/she should complete the requirements as outlined in the table below and as described.

General Education Courses

For the general education courses, check the section of general education requirements for details.

Core (Professional) Courses

For the core (professional courses) in Business Administration, check the section of core or professional courses.

Major Courses (check in the following Table)

Course Code	Course Name	Credits	Theory
MGMT 224	Legal and Social Environment of Business	3	Business Law I
FNCE 311	Investment Analysis and Portfolio Management	3	Inferential statistics and principles of Accounting II
MGMT 317	Insurance Institutions Management	3	Inferential statistics and principles of Management
FNCE 429	Bank Management and Financial Services	3	Macroeconomics
MGMT 323	Change and Innovation Management	3	Entrepreneurship
MGMT 326	International Business Management	3	Business Law I
MGMT 327	Performance Management	3	Managerial Accounting
MGMT 411	Business Organization and Management	3	Principles of Management
BSAD 414	Organizational Behaviour	3	Human Resource Management
MGMT 421	Leadership	3	Human Resource Management
Total		30	

DESCRIPTION OF MAJOR COURSES IN MANAGEMENT

MGMT 224 Legal and Social Environment of Business 3 credits

This course is a study of how a business operates within the political, legal, social, cultural, economic, and technological environment. It also explains relationship of a Business to government agencies and government controls, and how business relates its activities to various problems and ethical issues.

Prerequisite: ACCT 214.

MGMT 317 **Insurance Institutions Management** **3 credits**

This course is a study of different types, sources and causes of risks to both business and persons. It studies how to eliminate/minimize/transfer or avoid risk. It covers topics like risk sharing, risk passing in insurance companies and other agencies. The importance of sound management of insurance plans/ risk management and the government regulations of the insurance/risk management industry are also of primary importance. It will also cover topics such as: insurance claims management, life, health, motor, agricultural, marine and Goods-in-transit insurance management: *Prerequisite: STAT 215 and MGMT 214.*

MGMT 323 **Investment Analysis and Portfolio Management** **3 credits**

The course will introduce students to the investment management process. The coverage will include the investment settings, the asset allocation decision, selecting investments in a global market, organization and function of securities markets, security market indexes, efficient capital market, and introduction to portfolio management, an introduction to asset pricing models, multifactor models of risks and return, Analysis of financial Statement and an introduction to security valuation. The course will deal also with macroanalysis and microvaluation of the stock market, industry analysis, company analysis and stock valuation, technical analysis, equity portfolio management strategies, Bond Fundamentals, The analysis and valuation of Bonds, Bond portfolio Management Strategies, an introduction to Derivative market and securities, Forward and future contracts, options contracts, Swap contracts, convertible securities, and other embedded derivatives, professional money management, alternatives Assets, and industry ethics and Evaluation of portfolio performance

Prerequisite: STAT 215 and ACCT 125.

MGMT 327 Performance Management

3 credits

This course deals with activities that ensure that goals are consistently being met in an effective and efficient manner. Performance management can focus on performance of the organization, a department, processes to build a product or service, and employees. Information in this course gives students some sense of the overall activities involved in performance management. In this course the following is also discussed: the IT Performance Management, which refers to the monitoring and measurement of relevant metrics to assess the performance of IT resources that can be used in business context. *Prerequisite: ACCT 313*

MGMT 326 International Business Management

3 credits

This course deals with special problems encountered by executives in the management of international business operations. Among the subjects considered are the decision process in making investments abroad, relationships with host governments, and organizational and operating problems of the multinational corporation. Topics such as setting strategic goals, human resources management, planning, communications, and control are also discussed in the perspective of the latter. *Prerequisite: BSAD 213.*

MGMT 323 Change and Innovation Management

3 credits

This course focuses on how to lead a change management and stimulating creativity and innovation within the team. It also deals with how to inspire others and become a role model for innovation and how to maintain a competitive advantage in the business world. *Prerequisite: BSAD 314.*

MGMT 411 Business Organization and Management

3 credits

This course deals with Business management and discusses classical management duties for planning, direction, reporting, and control. More importantly it focuses on the need to organize and manage capital development as an integral part of the business. *Prerequisite: MGMT 124.*

MGMT 421 Leadership 3 credits

The course deals with the process of social influence in which one person can enlist the aid and support of others in the accomplishment of a common task. Students learn how to create a way for people to contribute in making something extraordinary happen. The course discusses several important aspects of leadership including a description of what leadership is and a description of several popular theories and styles of leadership. It will discuss topics such as the role of emotions and vision, as well as leadership effectiveness and performance, leadership in different contexts, how it may differ from related concepts (i.e. management), and some critiques of leadership as generally conceived. *Prerequisite: MGMT 315.*

FNCE 429 Bank Management and Financial Services 3 credit

The course deals with introduction to banking and financial services, financial Statements and Financial Firms performance, Tools for managing and Hedging against Risk, Managing Investment portfolios and liquidity positions for financial firms, managing sources of funds for financial firms and providing loans to business and consumers. *Prerequisite: MGMT 216*

BSAD 414 Organizational Behavior 3 credits

The study of organizational behavior is essential for anyone who seeks professional success in the workplace today. It aims to help managers and all those who follow to improve their understanding of the human dimension of the organization and act more effectively in the workplace. It includes the organizational environment, management of individual, group management, organizational management, process management. *Prerequisite: BSAD 315.*

7.5.1. Management - 4 years Full Time Programme

DEGREE: BACHELOR OF BUSINESS ADMINISTRATION IN MANAGEMENT

YEAR ONE SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
MATH 110	General Mathematics	3	30	15	90	135
MGMT 124	Principles of Management	3	30	15	90	135
ACCT 112	Principles of Accounting I	2	10	20	60	90
EDRM 113	Study and Research Methods	3	30	15	90	135
ENGL 114	English Grammar	3	30	15	90	135
RELB 116	Introduction to the Bible Study	2	10	20	60	90
INSY 116	Microcomputer Application	3	30	15	90	135
	Total	19	170	115	570	855

YEAR ONE SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
Code	Course	Credits	Theory	Practice	SDL	Tot
STAT 122	Descriptive Statistics	3	30	15	90	135
RELT 123	Bible Doctrines	3	30	15	90	135
ACCT 125	Principles of Accounting II	3	30	15	90	135
ECON 126	Microeconomics	3	30	15	90	135
MATH 111	Business Mathematics	3	30	15	90	135
ENGL 128	English Writing Skills	3	30	15	90	135
	Total	18	180	90	540	810

YEAR TWO SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
ACCT 214	Intermediate Accounting I	3	30	15	90	135
STAT 215	Inferential Statistics	3	30	15	90	135
ECON 216	Macroeconomics	3	30	15	90	135
HELT 213	Health Principles	2	10	20	60	90

BSAD 213	Business Law I	3	30	15	90	135
ENGL 219	English Speaking Skills	3	30	15	90	135
	Total	17	160	95	510	765

YEAR TWO SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
MGMT 224	Legal and Social Environment of Business	3	30	15	90	135
MKTG 225	Principles of Marketing	3	30	15	90	135
BSAD 228	Business Communication	3	30	15	90	135
BSAD 227	Business Law II	3	30	15	90	135
INSY 226	Management Information System	3	30	15	90	135
ENGL 227	English Phonology	3	30	15	90	135
	Total	18	180	90	540	810

YEAR THREE SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
RELT 221	Philosophy Science and Religion	2	10	20	60	90
FNCE 311	Investment Analysis and Portfolio Management	3	30	15	90	135
MGMT 317	Insurance Institutions Management	3	30	15	90	135
ACCT 313	Managerial Accounting	3	30	15	90	135
BSAD 314	Entrepreneurship	3	30	15	90	135
BSAD 315	Human Resource Management	3	30	15	90	135
	Total	17	160	95	510	765

YEAR THREE SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
MGMT 323	Change and Innovation Management	3	30	15	90	135
BSAD 322	Business Research Method	3	30	15	90	135
BSAD 324	Financial Management	3	30	15	90	135
MGMT 326	International Business Management	3	30	15	90	135
MGMT 327	Performance Management	3	30	15	90	135
INAT 413	Internship (Industrial Attachment)	3	30	15	90	135
	Total	18	180	90	540	810

YEAR FOUR SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
MGMT 411	Business Organization and Management	3	30	15	90	135
BSAD 414	Organizational Behavior	3	30	15	90	135
BSAD 415	Production & Operation Management	3	30	15	90	135
BSAD 417	Business Ethics	2	30	15	90	135
FNCE 429	Bank Management and Financial Services	3	30	15	90	135
MGMT 418	Procurement Management	3	30	15	90	135
	Total	17	180	90	540	810

YEAR FOUR SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
MGMT 421	Leadership	3	30	15	90	135
BSAD 423	Strategic Management	3	30	15	90	135
BSAD 427	Research Project (Memoire)	6	30	60	180	270
	Total	12	90	90	360	540

7.5.2. Management - 3 years with Summer Full Time Programme

DEGREE: BACHELOR OF BUSINESS ADMINISTRATION IN MANAGEMENT

YEAR ONE SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
MATH 110	General Mathematics	3	30	15	90	135
MGMT 124	Principles of Management	3	30	15	90	135
ACCT 112	Principles of Accounting I	2	10	20	60	90
EDRM 113	Study and Research Methods	3	30	15	90	135
ENGL 114	English Grammar	3	30	15	90	135
RELB 116	Introduction to the Bible Study	2	10	20	60	90
INSY 116	Microcomputer Application	3	30	15	90	135
	Total	19	170	115	570	855

YEAR ONE SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
STAT 122	Descriptive Statistics	3	30	15	90	135
RELT 123	Bible Doctrines	3	30	15	90	135

ACCT 125	Principles of Accounting II	3	30	15	90	135
ECON 126	Microeconomics	3	30	15	90	135
MATH 111	Business Mathematics	3	30	15	90	135
ENGL 128	English Writing Skills	3	30	15	90	135
	Total	18	180	90	540	810

YEAR ONE SUMMER SEMESTER

Code	Course	Credits	Theory	Practice	SDL	Tot
ACCT 214	Intermediate Accounting I	3	30	15	90	135
STAT 215	Inferential Statistics	3	30	15	90	135
ECON 216	Macroeconomics	3	30	15	90	135
	Total	18	90	45	270	405

YEAR TWO SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
HELT 213	Health Principles	2	10	20	60	90
BSAD 213	Business Law I	3	30	15	90	135
ENGL 219	English Speaking Skills	3	30	15	90	135
MGMT 224	Legal and Social Environment of Business	3	30	15	90	135
MKTG 225	Principles of Marketing	3	30	15	90	135
BSAD 228	Business Communication	3	30	15	90	135
	Total	17	160	95	510	765

YEAR TWO SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
RELT 221	Philosophy Science and Religion	2	10	20	60	90
BSAD 227	Business Law II	3	30	15	90	135
INSY 226	Management Information System	3	30	15	90	135
ENGL 227	English Phonology	3	30	15	90	135
FNCE 311	Investment Analysis and Portfolio Management	3	30	15	90	135
MGMT 317	Insurance Institutions Management	3	30	15	90	135
	Total	17	160	95	510	765

YEAR TWO SUMMER SEMESTER

Code	Course	Credits	Theory	Practice	SDL	Tot
MGMT 323	Change and Innovation Management	3	30	15	90	135
ACCT 313	Managerial Accounting	3	30	15	90	135
BSAD 314	Entrepreneurship	3	30	15	90	135
	Total	9	90	45	270	405

YEAR THREE SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
BSAD 315	Human Resource Management	3	30	15	90	135
BSAD 322	Business Research Method	3	30	15	90	135
BSAD 324	Financial Management	3	30	15	90	135
MGMT 326	International Business Management	3	30	15	90	135
MGMT 327	Performance Management	3	30	15	90	135
INAT 413	Internship (Industrial Attachment)	3	30	15	90	135
	Total	18	180	90	540	810

YEAR THREE SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
MGMT 411	Business Organization and Management	3	30	15	90	135
BSAD 414	Organizational Behaviour	3	30	15	90	135
BSAD 415	Production & Operation Management	3	30	15	90	135
BSAD 417	Business Ethics	2	30	15	90	135
FNCE 429	Bank Management and Financial Services	3	30	15	90	135
MGMT 418	Procurement Management	3	30	15	90	135
	Total	17	180	90	540	810

YEAR THREE SUMMER SEMESTER

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
MGMT 421	Leadership	3	30	15	90	135
BSAD 423	Strategic Management	3	30	15	90	135
BSAD 427	Research Project (Memoire)	6	30	60	180	270
	Total	12	90	90	360	540

7.5.3. Management - 5 years Part Time Programme

DEGREE: BACHELOR OF BUSINESS ADMINISTRATION IN MANAGEMENT

YEAR ONE SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
MATH 110	General Mathematics	3	30	15	90	135
ACCT 112	Principles of Accounting I	2	10	20	60	90
EDRM 113	Study and Research Methods	3	30	15	90	135
ENGL 114	English Grammar	3	30	15	90	135
INSY 116	Microcomputer Application	3	30	15	90	135
	Total	14	130	80	420	630

YEAR ONE SEMESTER II

Course Code	Course Name	Credit	Theory	Practice	SD	Tot
MATH 111	Business Mathematics	3	30	15	90	135
RELB 116	Introduction to the Bible Study	2	10	20	60	90
MGMT 124	Principles of Management	3	30	15	90	135
ACCT 125	Principles of Accounting II	3	30	15	90	135
ENGL 128	English Writing Skills	3	30	15	90	135
	Total	14	130	80	420	630

YEAR TWO SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
STAT 122	Descriptive Statistics	3	30	15	90	135
RELT 123	Bible Doctrines	3	30	15	90	135
ECON 126	Microeconomics	3	30	15	90	135
ACCT 214	Intermediate Accounting I	3	30	15	90	135
ENGL 219	English Speaking Skills	3	30	15	90	135
	Total	15	150	75	450	675

YEAR TWO SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
STAT 215	Inferential Statistics	3	30	15	90	135
ECON 216	Macroeconomics	3	30	15	90	135
HELT 213	Health Principles	2	10	20	60	90
BSAD 213	Business Law I	3	30	15	90	135
MGMT 224	Legal and Social Environment of Business	3	30	15	90	135
	Total	14	130	80	420	630

YEAR THREE SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
MKTG 225	Principles of Marketing	3	30	15	90	135
BSAD 228	Business Communication	3	30	15	90	135
BSAD 227	Business Law II	3	30	15	90	135
INSY 226	Management Information System	3	30	15	90	135
ENGL 227	English Phonology	3	30	15	90	135
	Total	15	150	75	450	675

YEAR THREE SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
RELT 221	Philosophy Science and Religion	2	10	20	60	90
FNCE 311	Investment Analysis and Portfolio Management	3	30	15	90	135
MGMT 317	Insurance Institutions Management	3	30	15	90	135
ACCT 313	Managerial Accounting	3	30	15	90	135
BSAD 314	Entrepreneurship	3	30	15	90	135
	Total	14	130	80	420	630

YEAR FOUR SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
BSAD 315	Human Resource Management	3	30	15	90	135
MGMT 323	Change and Innovation Management	3	30	15	90	135
BSAD 322	Business Research Method	3	30	15	90	135
BSAD 324	Financial Management	3	30	15	90	135
MGMT 326	International Business Management	3	30	15	90	135
	Total	15	150	75	450	675

YEAR FOUR SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
MGMT 327	Performance Management	3	30	15	90	135
MGMT 411	Business Organization and Management	3	30	15	90	135
BSAD 414	Organizational Behaviour	3	30	15	90	135
BSAD 415	Production & Operation Management	3	30	15	90	135
MGMT 418	Procurement Management	3	30	15	90	135
	Total	15	150	75	450	675

YEAR FIVE SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
INAT 413	Internship (Industrial Attachment)	3	30	15	90	135
BSAD 417	Business Ethics	2	30	15	90	135
FNCE 429	Bank Management and Financial Services	3	30	15	90	135
MGMT 421	Leadership	3	30	15	90	135
BSAD 423	Strategic Management	3	30	15	90	135
	Total	12	150	75	450	675

YEAR FIVE SEMESTER II

Course Code	Course Name	Credit	Theory	Practice	SDL	Tot
BSAD 427	Research Project (Memoire)	6	30	60	180	270
	Total	6	30	60	180	270

7.6.MAJOR COURSES IN FINANCE

DEGREE: BACHELOR OF BUSINESS ADMINISTRATION IN FINANCE

Summary of Courses

General Education	32
Core (Professional) Courses in Business Administration	74
Major (Concentration)	<u>30</u>
TOTAL OF CREDITS	136

Structure and Degree Requirements for Graduation

In order for AUCA student to graduate with the degree of Bachelor of Business Administration (Major: Finance), he/she should complete the requirements as outlined in the table below and as described.

General Education Courses

For the general education courses, check the section of general education requirements for details.

Core (Professional) Courses

For the core (professional courses) in Business Administration, check the section of core or professional courses.

Major Courses (check in the following Table)

List of Major (Concentration) Courses in Finance

Course Code	Name of the Course	Credits	Prerequisite
ACCT 224	Intermediate Accounting II	3	Intermediate Accounting II
FNCE 318	Business Finance	3	Intermediate Accounting I
FNCE 312	Financial Market Institution	3	Macroeconomics
FNCE 316	Money and Banking	3	Macroeconomics
FNCE 321	Investment Analysis and Portfolio Management	3	Inferential Statistics and Principles of Accounting II
FNCE 324	International Finance	3	Macroeconomics
ACCT 329	Taxation	3	Business Law II
FNCE 414	Corporate Finance	3	Business Finance
MGMT 317	Insurance Institutions Management	3	Inferential statistics and principles of Management
FNCE 429	Bank Management and Financial Services	3	Macroeconomics
Total		30	

DESCRIPTION OF MAJOR/CONCENTRATION COURSES IN FINANCE

ACCT 214 Intermediate Accounting I 3 credits

A review of the basic accounting concepts and principles with the objective of acquiring broader perspective in the area of financial statement preparation, current assets and their related revenue accounts. The course includes accounting concepts and principles in the area of non-current assets, current and non-current liabilities, stockholder's equity and the related revenue and expense accounts and also the statement of changes in financial position. *Prerequisite: ACCT 125.*

ACCT 224 **Intermediate Accounting II** **3 credits**

As a continuation of Intermediate Accounting I, this course deals with a study of accounting concepts and principles in miscellaneous topics such as accounting for pension and post-retirement benefits. Also covered in this course are accounting changes and error analysis, basic financial analysis and full disclosures in financial statements. *Prerequisite: ACCT 214.*

ACCT 329 **Taxation I** **3 credits**

A study of the general principles of income taxation as it applies to individuals, proprietorships and corporations, and the tax structures in Rwanda. Students are required to prepare income tax returns for individuals and corporations. Value added tax, transfer tax, and other related topics are also covered in this course. *Prerequisite: BSAD 227.*

FNCE 318 **Business of Finance** **3 credits**

This course concentrates on individuals and partnership business. It is an introduction to financial management techniques. Topics include: forms of business organizations, time value of money, valuation of stocks and bonds, cost of capital, capital budgeting analysis, flow of funds, ratio analysis, working capital, various sources of corporate funds, international financial management, and other topics associated with successful business finance decisions in an

internationally competitive environment. The course will familiarize **students with accounting methodologies, investing strategies and effective debt management.** *Prerequisite: ACCT 215.*

FNCE 312 Financial Market Institution 3 credits

The course covers investigation and analysis of organization, structure and performance of money, capitalmarket and institutions. It also covers the impact of financial institutions on the allocation of funds to various sectors of the economy, analysis of the intermediary process, determination of interest rates in the financial markets, regulation of the financial industry, and the role of financial instruments. The students are expected to become familiar with current events in the financial news. *Prerequisite: ECON 216.*

FNCE 324 International Finance 3 credits

The subject examines the financial operations of the firm from the international point of view. Topics include exchange rate determination, foreign exchange risk management (hedging techniques B forward/ futures, options and swaps), international financial markets (bond & equity and foreign exchange rate), and balance of payment, trade documentation and international budgeting. This course is set up so as to enable the learner to be able to well integrate themselves with the recent trends as far as globalization and finance is concerned. International finance as a course attempts to provide a comprehensive introduction to issues related to the recent integration of financial institutions on the global platform. *Prerequisite: ECON 216.*

FNCE 321 Investment Analysis and Portfolio Management 3 credits

The course will introduce students to the investment management process. The coverage will include the investment settings, the asset allocation decision, selecting investments in a global market, organization and function of securities markets, security market indexes, efficient capital market, and introduction to portfolio management, an introduction to asset pricing models, multifactor models of risks and return, Analysis of financial Statement and an introduction to security valuation. The course will deal also with macroanalysis and microvaluation of the stock market, industry analysis, company analysis and stock valuation, technical analysis, equity portofolio management strategies, Bond Fundamentals, The analysis and valuation of Bonds, Bond portifolio Management Strategies, an introduction to Derivative market and securities, Forward and future contracts, options contracts, Swap contracts, convertible securities, and other embedded

derivatives, professional money management, alternatives Assets, and industry ethics and Evaluation of portfolio performance. *Prerequisite: STAT 215 and ACCT 125.*

FNCE 414 Corporate Finance 3 credits

This course concentrates on corporate companies. It provides an in depth treatment of working capital analysis, cash budgeting, receivable management, credit policy, Inventory management, long term financing decisions including sources of long term funds and financial leverage. The course familiarizes students with most important tools, concepts and topics in the areas of corporate finance. It provides in depth treatment of working capital analysis, long term financing decisions including sources of long-term funds, financial leverage, measurement of cost of capital, capital budgeting decision methods, projects cash flow analysis, risks in capital budgeting, optimal capital budget, and lease financing. *Prerequisite: FNCE 318.*

FNCE 316 Money and Banking 3 credits

The nature and qualities of money, commercial banking, operation and controls of central banks such as the National Bank of Rwanda, the U.S. Federal Reserve System, money and credit circulation, and effects of monetary policies. *Prerequisite: ECON216.*

MGMT 317 Insurance Institutions Management 3 credits

This course is a study of different types, sources and causes of risks to both business and persons. It studies how to eliminate/minimize/transfer or avoid risk. It covers topics like risk sharing, risk passing in insurance companies and other agencies. The importance of sound management of insurance plans/ risk management and the government regulations of the insurance/risk management industry are also of primary importance. It will also cover topics such as: insurance claims management, life, health, motor, agricultural, marine and Goods-in-transit insurance management: *Prerequisite: STAT 215 and MGMT 124.*

FNCE 429 Bank Management and Financial Services 3 credits

The course deals with introduction to banking and financial services, financial Statements and Financial Firms performance, Tools for managing and Hedging against Risk, Managing Investment portfolios and liquidity positions for financial firms, managing sources of funds for financial firms and providing loans to business and consumers. *Prerequisite: ECON 216*

7.6.1. Finance - 4 Years Full Time Programme

DEGREE: BACHELOR OF BUSINESS ADMINISTRATION IN FINANCE

YEAR ONE SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
MATH 110	General Mathematics	3	30	15	90	135
MGMT 124	Principle of Management	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
EDRM 113	Study and Research Methods	2	10	20	60	90
ENGL 114	English Grammar	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	10	20	60	90
INSY 116	Microcomputer Application	3	30	15	90	135
	Total	19	170	115	570	855

YEAR ONE SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
STAT 112	Descriptive Statistics	3	30	15	90	135
ENGL 128	English Writing Skills	3	30	15	90	135

RELT 123	Bible Doctrines	3	30	15	90	135
ACCT 125	Principles of Accounting II	3	30	15	90	135
ECON 126	Microeconomics	3	30	15	90	135
MATH 111	Business Mathematics	3	30	15	90	135
	Total	18	180	90	540	810

YEAR TWO SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
ACCT 214	Intermediate Accounting I	3	30	15	90	135
STAT 215	Inferential Statistics	3	30	15	90	135
ECON 216	Macroeconomics	3	30	15	90	135
ENGL 219	English Speaking Skills	3	30	15	90	135
HELT 213	Health Principles	2	10	20	60	90
BSAD 213	Business Law I	3	30	15	90	135
	Total	17	160	95	510	765

YEAR TWO SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
ACCT 224	Intermediate Accounting II	3	30	15	90	135
MKTG 225	Principles of Marketing	3	30	15	90	135
BSAD 228	Business Communication	3	30	15	90	135
INSY 226	Management Information System	3	30	15	90	135
ENGL 227	English Phonology	3	30	15	90	135
BSAD 227	Business Law II	3	30	15	90	135
	Total	18	180	90	540	810

YEAR THREE SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
RELT 221	Philosophy, Science and Religion	2	10	20	60	90
FNCE 318	Business Finance	3	30	15	90	135
FNCE 312	Financial Market Institution	3	30	15	90	135
ACCT 313	Managerial Accounting	3	30	15	90	135
BSAD 314	Entrepreneurship	3	30	15	90	135
BSAD 315	Human Resource Management	3	30	15	90	135
	Total	17	160	95	510	765

YEAR THREE SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
FNCE 316	Money and Banking	3	30	15	90	135
MGMT 317	Insurance Institutions Management	3	30	15	90	135
FNCE 324	International Finance	3	30	15	90	135
BSAD 322	Business Research Method	3	30	15	90	135
BSAD 324	Financial Management	3	30	15	90	135
ACCT 329	Taxation	3	30	15	90	135
	Total	18	180	90	540	810

YEAR FOUR SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
FNCE 321	Investment Analysis and Portfolio Management	3	30	15	90	135
INAT 413	Internship (Industrial Attachment)	3	30	15	90	135
FNCE 414	Corporate Finance	3	30	15	90	135
MGMT 418	Procurement Management	3	30	15	90	135
BSAD 415	Production & Operation Management	3	30	15	90	135
BSAD 417	Business Ethics	2	10	20	60	90
	Total	17	160	95	510	765

YEAR FOUR SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
FNCE 429	Bank Management and Financial Services	3	30	15	90	135
BSAD 423	Strategic Management	3	30	15	90	135
BSAD 427	Research Project (Memoire)	6	30	60	180	270
	Total	12	90	90	360	540

7.6.2. Finance - 3 Years with Summer Full Time Programme

DEGREE: BACHELOR OF BUSINESS ADMINISTRATION IN FINANCE

YEAR ONE SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
MATH 110	General Mathematics	3	30	15	90	135
MGMT 124	Principle of Management	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
EDRM 113	Study and Research Methods	2	10	20	60	90
ENGL 114	English Grammar	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	10	20	60	90
INSY 116	Microcomputer Application	3	30	15	90	135
	Total	19	170	115	570	855

YEAR ONE SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
STAT 112	Descriptive Statistics	3	30	15	90	135
ENGL 128	English Writing Skills	3	30	15	90	135
RELT 123	Bible Doctrines	3	30	15	90	135
ACCT 125	Principles of Accounting II	3	30	15	90	135
ECON 126	Microeconomics	3	30	15	90	135
MATH 111	Business Mathematics	3	30	15	90	135
	Total	18	180	90	540	810

YEAR ONE SUMMER SEMESTER

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
ACCT 214	Intermediate Accounting I	3	30	15	90	135
STAT 215	Inferential Statistics	3	30	15	90	135
ECON 216	Macroeconomics	3	30	15	90	135
	Total	9	90	45	270	405

YEAR TWO SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
ENGL 219	English Speaking Skills	3	30	15	90	135
HELT 213	Health Principles	2	10	20	60	90
BSAD 213	Business Law I	3	30	15	90	135
ACCT 224	Intermediate Accounting II	3	30	15	90	135
MKTG 225	Principles of Marketing	3	30	15	90	135
BSAD 228	Business Communication	3	30	15	90	135
	Total	17	160	95	510	765

YEAR TWO SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
RELT 221	Philosophy, Science and Religion	2	10	20	60	90
INSY 226	Management Information System	3	30	15	90	135
ENGL 227	English Phonology	3	30	15	90	135
BSAD 227	Business Law II	3	30	15	90	135
FNCE 318	Business Finance	3	30	15	90	135
FNCE 312	Financial Market Institution	3	30	15	90	135
	Total	17	160	95	510	765

YEAR TWO SUMMER SEMESTER

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
FNCE 324	International Finance	3	30	15	90	135
ACCT 313	Managerial Accounting	3	30	15	90	135
BSAD 314	Entrepreneurship	3	30	15	90	135
	Total	9	90	45	270	405

YEAR THREE SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
BSAD 315	Human Resource Management	3	30	15	90	135
FNCE 316	Money and Banking	3	30	15	90	135
INAT 413	Internship (Industrial Attachment)	3	30	15	90	135
BSAD 322	Business Research Method	3	30	15	90	135
BSAD 324	Financial Management	3	30	15	90	135
ACCT 329	Taxation	3	30	15	90	135
	Total	18	180	90	540	810

YEAR THREE SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
FNCE 414	Corporate Finance	3	30	15	90	135
FNCE 321	Investment Analysis and Portfolio Management	3	30	15	90	135
MGMT 418	Procurement Management	3	30	15	90	135
BSAD 415	Production & Operation Management	3	30	15	90	135
FNCE 429	Bank Management and Financial Services	3	30	15	90	135
BSAD 417	Business Ethics	2	10	20	60	90
	Total	17	160	95	510	765

YEAR THREE SUMMER SEMESTER

Code	Course	Credits	Theory	Practice	SDL	Tot
MGMT 317	Insurance Institutions Management	3	30	15	90	135
BSAD 423	Strategic Management	3	30	15	90	135
BSAD 427	Research Project (Memoire)	6	30	60	180	270
	Total	12	120	60	360	540

7.6.3. Finance - 5 Years Part Time Programme

DEGREE: BACHELOR OF BUSINESS ADMINISTRATION IN FINANCE

YEAR ONE SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
MATH 110	General Mathematics	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
EDRM 113	Study and Research Methods	2	10	20	60	90
ENGL 114	English Grammar	3	30	15	90	135
INSY 116	Microcomputer Application	3	30	15	90	135
	Total	14	130	80	420	630

YEAR ONE SEMESTER II

Course Code	Course Name	Credit	Theory	Practice	SD	Tot
MATH 111	Business Mathematics	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	10	20	60	90
MGMT 124	Principle of Management	3	30	15	90	135
ENGL 128	English Writing Skills	3	30	15	90	135
ACCT 125	Principles of Accounting II	3	30	15	90	135
	Total	14	130	80	420	630

YEAR TWO SEMESTER I

Course Code	Course Name	Credit	Theory	Practice	SD	Tot
STAT 112	Descriptive Statistics	3	30	15	90	135
RELT 123	Bible Doctrines	3	30	15	90	135
ECON 126	Microeconomics	3	30	15	90	135
ACCT 214	Intermediate Accounting I	3	30	15	90	135
ENGL 219	English Speaking Skills	3	30	15	90	135
	Total	15	150	75	450	675

YEAR TWO SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
STAT 215	Inferential Statistics	3	30	15	90	135
ECON 216	Macroeconomics	3	30	15	90	135
HELT 213	Health Principles	2	10	20	60	90
BSAD 213	Business Law I	3	30	15	90	135
ACCT 224	Intermediate Accounting II	3	30	15	90	135
	Total	14	130	80	420	630

YEAR THREE SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
MKTG 225	Principles of Marketing	3	30	15	90	135
BSAD 228	Business Communication	3	30	15	90	135
INSY 226	Management Information System	3	30	15	90	135
ENGL 227	English Phonology	3	30	15	90	135
BSAD 227	Business Law II	3	30	15	90	135
	Total	15	150	75	450	675

YEAR THREE SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
RELT 221	Philosophy, Science and Religion	2	10	20	60	90
FNCE 318	Business Finance	3	30	15	90	135
FNCE 312	Financial Market Institution	3	30	15	90	135
ACCT 313	Managerial Accounting	3	30	15	90	135
BSAD 314	Entrepreneurship	3	30	15	90	135
	Total	14	130	80	420	630

YEAR FOUR SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
BSAD 315	Human Resource Management	3	30	15	90	135
FNCE 316	Money and Banking	3	30	15	90	135
MGMT 317	Insurance Institutions Management	3	30	15	90	135
FNCE 324	International Finance	3	30	15	90	135
ACCT 329	Taxation	3	30	15	90	135
	Total	15	150	75	450	675

YEAR FOUR SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
FNCE 321	Investment Analysis and Portfolio Management	3	30	15	90	135
BSAD 322	Business Research Method	3	30	15	90	135
BSAD 324	Financial Management	3	30	15	90	135
FNCE 414	Corporate Finance	3	30	15	90	135
BSAD 417	Business Ethics	2	10	20	60	90
	Total	14	130	80	420	630

YEAR FIVE SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
INAT 413	Internship (Industrial Attachment)	3	30	15	90	135
MGMT 418	Procurement Management	3	30	15	90	135
BSAD 415	Production & Operation Management	3	30	15	90	135
FNCE 429	Bank Management and Financial Services	3	30	15	90	135
BSAD 423	Strategic Management	3	30	15	90	135
	Total	15	150	75	450	675

YEAR FIVE SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
BSAD 427	Research Project (Memoire)	6	30	60	180	270
	Total	6	30	60	180	270

7.7.MAJOR COURSES IN MARKETING

DEGREE: BACHELOR OF BUSINESS ADMINISTRATION IN MARKETING

Summary of Courses

General Education	32
Core (Professional) Courses in Business Administration	74
Major (Concentration)	<u>30</u>
TOTAL OF CREDITS	136

Structure and Degree Requirements for Graduation

In order for AUCA student to graduate with the degree of Bachelor of Business Administration (Major: Marketing), he/she should complete the requirements as outlined in the table below and as described.

General Education Courses

For the general education courses, check the section of general education requirements for details.

Core (Professional) Courses

For the core (Professional Courses) in Business Administration, check the section of core or professional courses.

Major Courses (check in the following Table)

List of Major (Concentration) Courses in Marketing

Course	Code	Name of the Course	Credits	Prerequisite
MKTG	226	Consumer Behaviour	3	Principles of Marketing
FNCE	312	Financial Market Institutions	3	Principles of Accounting I
MKTG	316	E-Commerce	2	Principles of Marketing
MKTG	325	International Marketing	3	Principles of Marketing
MKTG	326	Sales Management	3	Principles of Marketing
MKTG	327	Industrial Marketing	3	Principles of Marketing
MKTG	416	Strategic Marketing	3	Principles of Marketing
BSAD	414	Organizational Behavior	3	Human Resource Management
COSC	414	Web Design	2	Principles of Marketing and Microcomputer application
MKTG	417	Advertising and Promotion	2	Principles of Marketing
MKTG	424	Distribution, Logistics, and Pricing Management	3	Principles of Marketing
Total			30	

DESCRIPTION OF MAJOR/CONCENTRATION COURSES IN MARKETING

MKTG 317

E-Commerce

2 Credits

Focus on key issues and concerns relating to e-commerce and equips students to respond to its many challenges from an informed perspective. Areas covered include: Foundations of Electronic Commerce, Benefits, Driving Forces, Impact, Retailing in Electronic Commerce, Direct Marketing, Online Customer Service, Internet Consumers and Market Research, Consumer Behavior Model, Decision Making, Advertisement in electronic commerce, Web advertisement, ad methods/Z Travel Job Market, Real Estate, Trading, Business -to-Business E-commerce, Procurement, B2B EC, JIT, Auctions, Services, Internet and extranet, Architectures, Software, considerations, Electronic payment System, Protocols, Security, Fund Transfers, EC Strategy and Implementation, Strategies, Competitiveness, Plan & Execution, Economics, Global and other issues in EC, Stored-Value and E-cash, Public Policy; and Legal issues to privacy. Students learn to analyze existing e-business and e-marketing projects and recognize their strengths and weakness taking lessons learned into account when formulating their own plans for new and expanding e-commerce. The student is expected to do a small project. *Prerequisite: MKTG 225.*

MKTG 226

Consumer Behavior

3 Credits

The topic covered will include: consumer needs assessment, motives and motivation process, psychological perspectives such as psychoanalysis, reinforcement, the influence process, life style analysis, and how it affects purchase behavior. Sociological factors such as social class, family, religion and their influence on purchase behavior, learning, perception and theories of cognitive dissonance. *Prerequisite: MKTG 225*

MKTG 418

Advertising and Promotion

2 Credits

The areas covered in this course will include: the role of marketing communication in the advertising, promotion, media planning and selection, sales promotion techniques and procedures, direct marketing and product placement, packaging, and its role in advertising, planning and implementing successful advertising

and campaigns, evaluation-of advertng effectiveness, advertising and promotion budgeting, public relations, creative strategies, appeals, legal and technical issues, in advertising and managing advertising agencies. *Prerequisite: MKTG 225.*

MKTG 325 International Marketing 3 Credits

The areas covered' will include: export/import trade, policies and procedures, entry strategies for international market, international product, price, advertising, packaging, promotion and labeling policies andprocedures, international distribution and logistics management, the legal issues m-international marketing. *Prerequisite: MKTG225.*

MKTG 326 Sales Management 3 Credits

The topics covered will include: fundamentals of selling, salesmanship, designing, and holding sales meetings, sales forecasting; sales force management including motivation, recruitment and placement; designing and managing the sales territory, sales promotions, accounts management and e-marketing. The course covers also issues such as locational decisions, choice of type of retail type, inshore management, legal and ethical issues in retailing and wholesaling, pricing techniques and strategies, in-store layout, stocking procedures and policies, customer service policy, relevant accounting, product assortment procedure, inventory management and decisions, telemarketing, and marketing through the internet. *Prerequisite: MKTG 225.*

MKTG 327 Industrial Marketing 3 Credits

Areas to be covered include: the distinction between industrial and consumer marketing, market analysis, selection and segmentation strategies, product, pricing, distribution promotion, and packaging policies and strategies. *Prerequisite: MKTG 225.*

MKTG 416 Strategic Marketing 3 Credits

Areas covered in the course will include strategies such as tactical retreat, flanking, guerilla tactics, cyber strategies, strategic implementations and evaluation, relational marketing, positioning, segmentation strategies, pricing strategies, promotional, distributional, and product strategies. *Prerequisite: MKTG 317.*

MKTG 424 Distribution, Logistics, and Pricing Management 3 Credits

Areas covered will include supply chain choice and management, channels of distribution, their choice, motivation, compensation and management, physical distribution, transportation models, packaging, storing and warehousing, materials management, purchases and location choice, customer order processing, documentation and carrier liabilities, pricing strategies and policies. *Prerequisite: MKTG 317*

COSC 414 Web design 2 Credits

This self-paced course is designed to provide the necessary skills and training for an entry-level position in the field of Web design. The student learns to develop and maintain Web sites for a corporation or one's small business. The class focuses on Web page planning, basic design, layout and construction, and setup and maintenance of a web site. The course also deals with HTML/XHTML, Cascading Style Sheets, Dreamweaver, Fireworks, Flash, Photoshop, Illustrator, In Design, PHP, MySQL and various other Web page and image creation tools. This course is taught in a PC environment, but all skills are transferable to the Macintosh and a Mac is available for testing student web sites. Student further develops a portfolio of sites during the training. *Prerequisite: INSY 226.*

FNCE 312 Financial Market Institution 3 credits

The course covers investigation and analysis of organization, structure and performance of money, capital market and institutions. It also covers the impact of financial institutions on the allocation of funds to various sectors of the economy, analysis of the intermediary process, determination of interest rates in the financial markets, regulation of the financial industry, and the role of financial instruments. The students are expected to become familiar with current events in the financial news. *Prerequisite: ECON 216.*

BSAD 414 Organizational Behavior 3 credits

The study of organizational behavior is essential for anyone who seeks professional success in the workplace today. It aims to help managers and all those who follow to improve their understanding of the human dimension of the organization and act more effectively in the workplace. It includes the organizational environment, management of individual, group management, organizational management, process management. *Prerequisite: BSAD 315.*

7.7.1. Marketing - 4 Years Full Time Programme

DEGREE: BACHELOR OF BUSINESS ADMINISTRATION IN MARKETING

YEAR ONE SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
MATH 110	General Mathematics	3	30	15	90	135
MGMT 124	Principles of Management	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
EDRM 113	Study and Research Methods	2	10	20	60	90
ENGL 114	English Grammar	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	10	20	60	90
INSY 116	Microcomputer Application	3	30	15	90	135
	Total	19	170	115	570	855

YEAR ONE SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
STAT122	Descriptive Statistics	3	30	15	90	135
RELT 123	Bible Doctrines	3	30	15	90	135

ACCT 125	Principles of Accounting II	3	30	15	90	135
ECON 126	Microeconomics	3	30	15	90	135
MATH 111	Business Mathematics	3	30	15	90	135
ENGL 128	English Writing Skills	3	30	15	90	135
	Total	18	180	90	540	810

YEAR TWO SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
ACCT 214	Intermediate Accounting I	3	30	15	90	135
STAT 215	Inferential Statistics	3	30	15	90	135
ECON 216	Macroeconomics	3	30	15	90	135
HELT 213	Health Principles	2	10	20	60	90
BSAD 213	Business Law I	3	30	15	90	135
ENGL 219	English Speaking Skills	3	30	15	90	135
	Total	17	160	95	510	765

YEAR TWO SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
MKTG 226	Consumer Behaviour	3	30	15	90	135
MKTG 225	Principles of Marketing	3	30	15	90	135
BSAD 228	Business Communication	3	30	15	90	135
BSAD 227	Business Law II	3	30	15	90	135
INSY 226	Management Information System	3	30	15	90	135
ENGL 227	English Phonology	3	30	15	90	135
	Total	18	180	90	540	810

YEAR THREE SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
RELT 221	Philosophy Science and Religion	2	10	20	60	90
MKTG 316	E-Marketing	2	10	20	60	90
FNCE 312	Financial Market Institutions	3	30	15	90	135
ACCT 313	Managerial Accounting	3	30	15	90	135
BSAD 314	Entrepreneurship	3	30	15	90	135
BSAD 315	Human Resource Management	3	30	15	90	135
	Total	16	140	100	480	720

YEAR THREE SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
MKTG 326	Sales Management	3	30	15	90	135
BSAD 322	Business Research Methods	3	30	15	90	135
MKTG 325	International Marketing	3	30	15	90	135
BSAD 324	Financial Management	3	30	15	90	135
MKTG 327	Industrial Marketing	3	30	15	90	135
MKTG 416	Strategic marketing	3	30	15	90	135
	Total	18	180	90	540	810

FOURTH YEAR SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
INAT 413	Internship (industrial attachment)	3	30	15	90	135
BSAD 414	Organizational behaviour	3	30	15	90	135
BSAD 415	Production & operation management	3	30	15	90	135
MKTG 418	Advertising and promotion	2	30	15	90	135
BSAD 417	Business ethics	2	30	15	90	135
MGMT 418	Procurement Management	3	30	15	90	135
	Total	16	180	90	540	810

FOURTH YEAR SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
COSC 414	Web Design	2	10	20	60	90
BSAD 423	Strategic Management	3	30	15	90	135
MKTG 424	Distribution, Logistics, and Pricing Management	3	30	15	90	135
BSAD 427	Research Project (Memoire)	6	60	30	180	270
	Total	14	130	80	420	630

7.7.2. Marketing - 3 Years with Summer Full Time Programme

DEGREE: BACHELOR OF BUSINESS ADMINISTRATION IN MARKETING

YEAR ONE SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
MATH 110	General Mathematics	3	30	15	90	135
MGMT 124	Principles of Management	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
EDRM 113	Study and Research Methods	2	10	20	60	90
ENGL 114	English Grammar	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	10	20	60	90
INSY 116	Microcomputer Application	3	30	15	90	135
	Total	19	170	115	570	855

YEAR ONE SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
STAT122	Descriptive Statistics	3	30	15	90	135
RELT 123	Bible Doctrines	3	30	15	90	135

ACCT 125	Principles of Accounting II	3	30	15	90	135
ECON 126	Microeconomics	3	30	15	90	135
MATH 111	Business Mathematics	3	30	15	90	135
ENGL 128	English Writing Skills	3	30	15	90	135
	Total	18	180	90	540	810

YEAR ONE SUMMER SEMETSER

Code	Course	Credits	Theory	Practice	SDL	Tot
ACCT 214	Intermediate Accounting I	3	30	15	90	135
STAT 215	Inferential Statistics	3	30	15	90	135
ECON 216	Macroeconomics	3	30	15	90	135
	Total	9	90	45	270	405

YEAR TWO SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
HELT 213	Health Principles	2	10	20	60	90
BSAD 213	Business Law I	3	30	15	90	135
ENGL 219	English Speaking Skills	3	30	15	90	135
MKTG 226	Consumer Behaviour	3	30	15	90	135

MKTG 225	Principles of Marketing	3	30	15	90	135
BSAD 228	Business Communication	3	30	15	90	135
	Total	17	160	95	510	765

SECOND YEAR SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
RELT 221	Philosophy Science and Religion	2	10	20	60	90
BSAD 227	Business Law II	3	30	15	90	135
INSY 226	Management Information System	3	30	15	90	135
ENGL 227	English Phonology	3	30	15	90	135
MKTG 316	E-Marketing	2	10	20	60	90
ACCT 313	Managerial Accounting	3	30	15	90	135
BSAD 314	Entrepreneurship	3	30	15	90	135
	Total	19	170	115	570	855

YEAR TWO SUMMER SEMESTER

Code	Course	Credits	Theory	Practice	SDL	Tot
FNCE 312	Financial Market Institutions	3	30	15	90	135
BSAD 315	Human Resource Management	3	30	15	90	135
MKTG 325	International Marketing	3	30	15	90	135
	Total	9	90	45	270	405

YEAR THREE SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
BSAD 322	Business Research Methods	3	30	15	90	135
BSAD 324	Financial Management	3	30	15	90	135
MKTG 327	Industrial Marketing	3	30	15	90	135
MKTG 326	Sales Management	3	30	15	90	135
INAT 413	Internship (industrial attachment)	3	30	15	90	135
MKTG 416	Strategic marketing	3	30	15	90	135
	Total	18	180	90	540	810

YEAR THREE SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
BSAD 414	Organizational behaviour	3	30	15	90	135
COSC 414	Web Design	2	10	20	60	90
BSAD 415	Production & operation management	3	30	15	90	135
MKTG 418	Advertising and promotion	2	30	15	90	135
BSAD 417	Business ethics	2	30	15	90	135
MGMT 418	Procurement Management	3	30	15	90	135
	Total	16	160	95	510	765

YEAR THREE SUMMERS SEMESTER

Code	Course	Credits	Theory	Practice	SDL	Tot
BSAD 423	Strategic Management	3	30	15	90	135
MKTG 424	Distribution, Logistics, and Pricing Management	3	30	15	90	135
BSAD 427	Research Project (Memoire)	6	60	30	180	270
	Total	12	120	60	360	540

7.7.3. Marketing - 5 Years Part Time Programme

DEGREE: BACHELOR OF BUSINESS ADMINISTRATION IN MARKETING

YEAR ONE SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
MATH 110	General Mathematics	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
EDRM 113	Study and Research Methods	2	10	20	60	90
ENGL 114	English Grammar	3	30	15	90	135
INSY 116	Microcomputer Application	3	30	15	90	135
	Total	14	130	80	420	630

YEAR ONE SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
MGMT 124	Principles of Management	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	10	20	60	90
ACCT 125	Principles of Accounting II	3	30	15	90	135
MATH 111	Business Mathematics	3	30	15	90	135
ENGL 128	English Writing Skills	3	30	15	90	135
	Total	14	130	80	420	630

YEAR TWO SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
STAT122	Descriptive Statistics	3	30	15	90	135
RELT 123	Bible Doctrines	3	30	15	90	135
ECON 126	Microeconomics	3	30	15	90	135
ACCT 214	Intermediate Accounting I	3	30	15	90	135
ENGL 219	English Speaking Skills	3	30	15	90	135
	Total	15	150	75	450	675

YEAR TWO SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
STAT 215	Inferential Statistics	3	30	15	90	135
ECON 216	Macroeconomics	3	30	15	90	135
HELT 213	Health Principles	2	10	20	60	90
BSAD 213	Business Law I	3	30	15	90	135
MKTG 225	Principles of Marketing	3	30	15	90	135
	Total	14	130	80	420	630

YEAR THREE SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
MKTG 226	Consumer Behaviour	3	30	15	90	135
BSAD 227	Business Law II	3	30	15	90	135
BSAD 228	Business Communication	3	30	15	90	135
INSY 226	Management Information System	3	30	15	90	135
ENGL 227	English Phonology	3	30	15	90	135
	Total	15	150	75	450	675

YEAR THREE SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
RELT 221	Philosophy Science and Religion	2	10	20	60	90
FNCE 312	Financial Market Institutions	3	30	15	90	135
ACCT 313	Managerial Accounting	3	30	15	90	135
BSAD 314	Entrepreneurship	3	30	15	90	135
BSAD 315	Human Resource Management	3	30	15	90	135
	Total	14	130	80	420	630

YEAR FOUR SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
MKTG 316	E-Marketing	2	10	20	60	90
BSAD 322	Business Research Methods	3	30	15	90	135
BSAD 324	Financial Management	3	30	15	90	135
MKTG 325	International Marketing	3	30	15	90	135
MKTG 326	Sales Management	3	30	15	90	135
	Total	14	130	80	420	630

YEAR FOUR SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
MKTG 327	Industrial Marketing	3	30	15	90	135
BSAD 414	Organizational behaviour	3	30	15	90	135
BSAD 415	Production & operation management	3	30	15	90	135
MKTG 416	Strategic marketing	3	30	15	90	135
MKTG 418	Advertising and promotion	2	10	20	60	90
	Total	14	130	80	420	630

YEAR FIVE SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
COSC 414	Web Design	2	10	20	60	90
INAT 413	Internship (industrial attachment)	3	30	15	90	135
MGMT 418	Procurement Management	3	30	15	90	135
BSAD 423	Strategic Management	3	30	15	90	135
MKTG 424	Distribution, Logistics, and Pricing Management	3	30	15	90	135
	Total	14	130	80	420	630

YEAR FIVE SEMESTER II

Code	Course	Credit	Theory	Practice	SD	Tot
BSAD 417	Business ethics	2	30	15	90	135
BSAD 427	Research Project (Memoire)	6	60	30	180	270
	Total	8	90	45	270	405

FACULTY OF EDUCATION

8. FACULTY OF EDUCATION

DEGREES
Bachelor of Education in Accounting
Bachelor of Education in Economics
Bachelor of Education in Educational Psychology
Bachelor of Education in English Language and Literature
Bachelor of Education in French Language and Literature
Bachelor of Education in Geography
Bachelor of Education in History
Bachelor of Education in Mathematics
Bachelor of Education in Religious Studies
Bachelor of Education in Information Technology
Master of Educational Administration
Master of Curriculum and Instruction

Introduction

The curriculum of the Faculty of Education at the Adventist University of Central Africa (AUCA) aims at fulfilling the requirements of the Seventh-day Adventist Church teachers' certification and the Rwandan Ministry of Education requirements of teaching in the Secondary Schools. On this note, the University has introduced the concepts of general, core (professional), concentration, and minor courses. Concentrations courses are those major or secondary school teaching subjects that students in the Faculty of Education would specialize in. The introduction of general, core (professional), concentration, and minor courses is designed in comparison with other international standards of the Faculty of Education degree programme requirements and those of the SDA Universities around the world.

Philosophy

The Faculty of Education subscribes to the philosophy that man was created in the image of God but as a result of willful disobedience, sin has marred his God given attributes and divine likeness. This philosophy recognizes that the objective of Education is also that of redemption which is “to restore in man the image of his maker and bring him back to the perfection in which he was created” (White, 1952. p. 11). Therefore, the work of redemption is the work of Education, which involves the development of the whole person physically, mentally, spiritually and socially.

Vision

The Faculty of Education at AUCA envisions to persistently prepare students who after acquiring true education—the harmonious development of the physical, intellectual, social and spiritual dimension that AUCA inculcates in them—will stand out as dynamic instruments for delivery of quality Christian service to the society.

Mission

The mission of the Faculty of Education at AUCA is to prepare professional secondary school teachers and educational administrators who can function effectively in a culturally pluralistic society and who are dedicated to assist individuals in reaching their potentials in the service to God and humanity.

Objectives

The objectives of the Faculty of Education are:

To develop competent and professional God-fearing teachers and school administrators to serve effectively in public, private and the Seventh-day Adventist Schools in and outside the Republic of Rwanda,

To provide opportunities for graduates to seek further Education in their areas of specialization.

To instill in students the love for their fellow human beings whether educated or non-educated by being to them exemplary and moral and spiritual models and apostles of peace in service to God humanity.

Career Opportunities

The student who graduates with a Bachelor degree of Education will have two teaching subjects, one as a major and another one as a minor or both as majors. The Bachelor of Education has the following concentration (majors or teaching subjects) areas: **Accounting, Information Technology, Educational Psychology, English Language and Literature, Mathematics and Geography.**

General Education Courses

For the general education courses, check the section of general education requirements for details.

Core (Professional) Courses in Education

The core (professional) courses are taken by the students of the Faculty of Education taking up the degree of Bachelor of Education majoring in Business Accounting, Information Technology, Economics, English, French, Mathematics, Religion, Psychology, Geography and History. These courses give the student a wider knowledge in Education and it is the responsibility of the student to diligently master the contents of the core courses so that the students gets a professional qualification in the field of Education and is able to confidently teach in Rwandan secondary schools or elsewhere and at the same time, be a qualified educational administrator.

Major/Concentrations (First teaching subject)

The concentration or major subject empowers the student of AUCA who graduates from the Faculty of Education to be able to teach in the secondary schools. Mastery of the contents of the concentration subject should be higher than the level of the contents that is prepared by Rwandan Ministry of Education for secondary school students. The following are the teaching subjects (concentration or majors) of the Faculty of Education at AUCA. The concentration courses are **Accounting, Information Technology, English Language and Literature, Mathematics, Educational Psychology, and Geography.**

Minor (Second teaching subject)

Every student in the faculty of education is supposed to have a major and a minor. While the major is the main teaching subject that the student will teach in the secondary school, a minor is a second teaching subject but with a lesser weight than the major in terms of the contents of the course. A minor is taken from a different major than what the student is taking.

8.1. DESCRIPTION OF COURSES

General Education Courses

ACCT 112 Principles of Accounting I 3 credits

This is an introductory course that deals with the history and development of accounting. Other spheres of this course are: the role of accounting in starting a business; establishing a business and the balance sheet; operating a business, the income statement; completing the accounting cycle; accounting systems; merchandising operations; inventories; internal control and cash; receivables and long-lived tangible and intangible assets.

INSY 116 Micro Computer Application 3 credits

This course is an application of all the theories and skills that the student majoring in Information Technology has learned. It acquaints the student with theoretical and practical skills and knowledge in Microsoft Word, Excel and Power Point. application of these are mostly done in a classroom and school setting. Through this course, the student (future teacher in secondary school) knows how to manage all school and classroom documents, presentations, and accounting using these applications.

ENGL 114 English Grammar 3 credits

The general course uses a traditional grammar approach to the study of parts of speech and the principal elements of the sentence structure: common sentence patterns, form and function of specific word classes, phrases and clauses, expression of morphological categories of number, person, gender, tense, mood, etc.

ENGL 122 English Writing Skills 3 credits

This course is a general education requirement for all students. It is designed to help students develop basic writing skills. Emphasis will be on sentence construction, paragraph development using methods, punctuation and capitalization, and essay writing. Four main kinds of approaches to composition will be taught: narrative, descriptive, epistolary and argumentative. The student will also practice writing précis, summary, reading reports, and letters.

Prerequisite: ENGL 114.

ENGL 219 English Speaking Skills**3 credits**

The course is a study of human communication process that focuses on the individual interaction with another person in small groups and in the public communication situations. The course provides students with practice in speech preparation and presentation, both as individuals and as a team. Students also have an opportunity to do oral and written critical evaluations of fellow students' speeches. *Prerequisite: ENGL*

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ENGL 227 English Phonology**3 credits**

This course gives a broad definition of phonetics and phonology of English. It focuses on articulatory phonetics and the technical terms required for the description and classification of speech sounds, speech production mechanisms and speech sound symbols. It also deals with the manner in which vowels and consonants are produced and the parameters used in their description. The main thrust of the course is on the application of phonetic science to the teaching of proper pronunciation. Practical exercises in phonetic transcription and articulation will be emphasized. Familiarity with the IPA chart and the IPA system of transcription is stressed.

STAT 121 Descriptive Statistics**3 credits**

This is the study of basic descriptive, including meaning and role of statistics, data gathering, organization and presentation, measures of central tendency and dispersion, and measures of shape, probability sampling and distribution, point and interval estimate, confidence intervals and levels, statistical inferences involving the binominal, normal, Poisson and the Chi-square distribution, simple linear regression and correlation. *Prerequisite: MATH 1104. This prerequisite concerns Business Administration students only. And Prerequisite: MATH 1101 concerns Information Technology students.*

EDRM 113 Study and Research Methods**2 credits**

The course of methods of study and research introduces a student to academic studies while teaching him/her the material to learn, time management, note taking and use of the library.

HELT 213 Health Principles**2 credits**

The course provides an introduction to important concepts of health which are composed of Physical, Psychological, Social, Spiritual and Philosophical dimensions. Students are assisted to identify unhealthy behavior and measures to correct them.

RELT 123 Bible Doctrines**3 credits**

Systematic study of general Doctrines of the Christian Church Adventist perspective: the Doctrines of God (revelation, inspiration, creation, the Sabbath), the Doctrines of man (from the image of God, the fall, the ethical / moral destiny), and the Doctrines of Christ (incarnation, nature, and office).

RELT 221 Philosophy, Science and Religion**2 credits**

Comparison of goals and methods of philosophy, science and theology. Assessment of the relationship between science and religion over the centuries. Notion of truth in philosophy, science, and religion. Working methods and scientific results that contribute to a better understanding of God. Study of some philosophies which have challenged the belief in God, rationalism, positivism, Marxism, existentialism, and evolutionism.

RELB 116 Introduction to Bible Study**2 credits**

This course aims at teaching students of Adventist University of AUCA how to read the Bible by themselves. During this course, the following topics will be discussed: the definition of the Bible, learning about Bible authors and their periods of writing the Old and New Testament; the birth of the gospels, and Acts of the Apostles. The discussion of different methods/principles of reading and even interpreting the Bible with practical exercises from the Bible is the integral part of this course.

Education Core Courses**EDAD 116 Philosophy of Education****2 credits**

The course discusses the background to the study of philosophy. Topics covered include Adventist Philosophy of Education as explained in the Bible and the Spirit of Prophecy, history and practice of world philosophers of education including idealism, realism, naturalism, pragmatism, existentialism and African

philosophical thoughts. The course also looks at the thoughts of world philosophers such as Socrates, Plato, Aristotle, St. Augustine, Kant, John Dewey, John Locke, Ignatius Loyola, etc. Further discussion takes into account the aspects of the teaching learning process for each of the philosophies and philosophers studied. The course then defines concepts such as philosophy, education, metaphysics (reality), epistemology (knowledge), and axiology (aesthetics [value and beauty], ethics). The study of man, school, learner, teacher, aims of teaching, curriculum, and methods of teaching will also be stressed.

EDAD 313 Entrepreneurship & Project Management

3 credits

The course of Entrepreneurship and Project Management helps the student of education to understand the contributions made by investments and development projects in various areas and specifically in education. This course aims to develop the capacity of students for innovation, investment and expansion in new markets, products and techniques. The course covers topics like: the concept of entrepreneurship and investment; business plan design; the concept of project management; project planning and estimation; project design; business or project implementation; organizing and staffing business or project; business or project budgeting; project schedule; project coordination and control; project monitoring and evaluation; enterprise resource planning; project closeout and termination. At the end of this course, student should elaborate and present a business plan of his/her own choice; plan, design and implement a development project; manage and evaluate a business and/or a development project and make a budget and the timeline for a development project or business activities.

EDAD 325 Pedagogy and History of Education

2 credits

This course outlines the highlights of the historical accounts of Education from known antiquities (Aden, Greek, and Roman Societies) to the present East African Educational System. Topics covered include: definition of history, education and history of education and significance of the study of the history of education to the teaching profession. The biblical account of education such as education in Eden, education of the patriarchs, the school in the wilderness, the school of the prophets and the school of Jesus Christ and His disciples will be discussed. Ancient secular historical accounts such as African indigenous education, education in Egypt, education in Mesopotamia, Greek education, Roman education, early Christian education, education of the period of renaissance to the age of humanism, education of missionaries in Africa, post-colonial education in Rwanda and current issues in Education such as liberalization of education, globalization of education and foreign aid in education also constitute the discussion in this course.

EDAD 322 Sociology of Education

2 credits

The course explains the impact of education and society on each other. Topics covered include definition of Education, Society, Sociology, Sociology of Education, systems process, and the nature, roots and types of education. Education and schooling in a contemporary society and teaching as a profession. The role of the teacher in society as understood by the Christian Church and the secular world.

EDAD 312 Economics of Education

2 credits

The course discusses ways by which schools are funded. The utilization of school finance in order to achieve maximum results is stressed. The language and implementation of various ways of controlling finance in the school system is discussed. The role of auditing of schoolbooks is stressed. Other topics include: the use and misuse of graphs and their deprivations, economic problems or scarcity and choice, supply, demand and market equilibrium.

EDAD 313 Comparative Education

2 credits

This course is an introduction to the study of Comparative Education. The focus centres on the definitions of Education and Comparative Education, aspects of Education, Nature of Education, significance of the study of comparative Education, factors influencing world systems of Education, the study of systems of education including Rwanda education system as comparable to those of Burundi, Democratic Republic of Congo (DRC), Tanzania, Uganda, Kenya, France, Belgium, United States of America, and United Kingdom.

EDAD 311 Educational Planning

2 credits

The course provides a process of planning for either a school system or its activities in an educational system. It includes the formulation of philosophy, vision, mission, and strategies in planning an institution. It builds on planning for society, school buildings, personnel, and targeted students. The evaluation procedures of either a school or an educational system will be stressed. Overall, it takes into account the input, process and output aspects of planning for a school system.

EDAD 324 Foundation of School Administration

3 credits

The course provides the student with an orientation towards selected theories of administration, school organization and school finance management. Focus on topics such as administration and supervision of a school system, formal and informal organization in a school setting, managerial function of a head teacher, leadership and leadership styles, administrative theories, analysis of school administration and financial structure of a school system in Rwanda.

EDPC 124 Educational Psychology**2 credits**

This course studies the ways in which psychological knowledge can be applied to teaching and learning. Course contents include: scope and functions of psychology and learning, the meaning and significance of educational psychology, individual differences, intelligence and mental ability, nature and types of learning, theories of learning, motivation and learning, the teacher personality and the student learning, handling students with disability, evaluation of student learning and classroom management.

EDPC 215 Human Developmental Psychology**3 credits**

The course presents an overview of life span of human development. Topics covered include: determination of human development, beginning of life, birth, early childhood and the later years are discussed within a system perspective of human development.

EDTE 224 Principles of Teaching**2 credits**

The course focuses on effective teaching and includes an examination of student involvement in the classroom and application of the principles of teaching. The topics include concepts of teaching, teacher, teaching effectiveness, planning and preparation to teaching which include the general principles of schemes of work and lesson planning, classroom management and other professional responsibilities. It highlights also the different models of teaching and general methods of teaching such as inductive and deductive methods.

EDTE 222 Instructional Technology**2 credits**

The course examines instructional technology aids (audiovisual technologies) in the theory and practice. This involves the design, media usage, instructional strategies, resources management and psychological principles of teaching/learning, and evaluation of these processes.

EDTE 312 Foundations and Curriculum Development**3 credits**

The course looks into the Philosophical, historical, psychological and sociological foundations that shape curriculum practices. This course looks at the introduction to the literature, theories, and designs of curriculum. Much emphasis is put on connecting theory and practice. Topics to be discussed include: the patterns of curriculum design, development, implementation and evaluation and the relationship of educational objectives to the educational goals. The course also looks into the functions (roles) of National Curriculum Development Centre and other agencies of curriculum development in the Republic of

Rwanda. A focus on curriculum design and construction, seeking to aid educators concerned with the creation and revision of curriculum for elementary, secondary, or tertiary levels. Attention is given to the application of theoretical foundations and principles to curriculum design, construction, implementation, and evaluation. Course participants will engage in the development of significant curricular products.

EDTE 223 Introduction of the Teaching Profession

2 credits

The course provides a basic orientation to the Teaching Profession, starting from basic classroom skills and concepts about effective teaching and learning to the wider issues of Psychology and history of current patterns in African Education. This course involves the student to observe Secondary School classroom teaching/learning activities.

EDTE 311 Classroom Testing, Measurement and Evaluation

2 credits

This course provides student teachers with the skills of evaluating the learners' achievement in the prescribed curriculum and instruction. The topics to be covered include the definition of terms such as assessment, test, measurement and evaluation, the importance of assessment in educational process, characteristics of an effective assessment, and types of assessment. This course enables the students to construct teaching objectives under cognitive, affective and psychomotor domains. It assists the students with the skills of preparing question items such as essay, objective, structured or true and false items. Other topics to be discussed include reliability, validity and item analysis for the teacher made tests, test administration, grading, reporting and the interpretation of data from standardized tests. Further grading systems are stressed using mean, mode, median and standard deviation, and reporting of test items' results to the relevant educational stakeholders. Practical knowledge of statistical concepts will also be stressed. Characteristics of an effective assessment, and types of assessment. This course enables the students to construct teaching objectives under cognitive, affective and psychomotor domains. It assists the students with the skills of preparing question items such as essay, objective, structured or true and false items. Other topics to be discussed include reliability, validity and item analysis for the teacher made tests, test administration, grading, reporting and the interpretation of data from standardized tests. Further grading systems are stressed using mean, mode, median and standard deviation, and reporting of test items' results to the relevant educational stakeholders. Practical knowledge of statistical concepts will also be stressed.

EDTE 323 Educational Research Methods

3 credits

Research is given to students as an avenue of growth and self-actualization. This makes them become great thinkers through conducting research projects. In this course, definitions and the following concepts are elaborated to the students: research, types of research, research designs, research questions and hypothesis, methods of conducting research, theory and role of theory and conceptual framework in research, population and sampling techniques, statistical tools of

analyzing and interpreting data. These skills will provide the students with the ability to conduct their final year research project to culminate their undergraduate studies at AUCA.

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STAT 215 Inferential Statistics in Education

3 credits

The course focuses on the difference between descriptive and inference statistics. Topics to be discussed are probability sampling, estimation of parameters, comparisons of parameters of samples, standard deviation and standard error, comparisons of averages, variance and proportion, correlation, correlation and linear regression, multiple (partial serial, contingency coefficient), chi-square test and analysis of variance (ANOVA), analysis of the interpretation of scores, fidelity and validity testing of a statistical point of view. The course is applied in the evaluation of academic performance and applications of elements of statistics in school situations. For application of this course, a project should be designed in which students will choose a topic, collect data, analyze and interpret the results. Prior to this, SPSS software application would be taught.

EDTE 327 Teaching Practice

4 credits

Teaching practice is an internship exercise that the student-teacher needs to be involved in before graduation. In this exercise the student-teacher is expected to practice the skills that he/she will use in Secondary Schools after graduation for example preparing and develop the schemes of work, lesson plans and other relevant classroom teaching/learning activities and materials. While in this exercise the student teacher is supervised by the Lecturers of the Faculty of Education of AUCA and where possible the student teacher could also be examined by external examiners to ascertain the required standards that

is expected from the student-teacher in the profession. At the end of the teaching practice (after 12 or 13 weeks), the Faculty of Education of AUCA will have come up with the relevant grade assigned to the student teacher based on his/her performance. The grade is made up of the reports from the Faculty of Education, and the report (portfolio) from the student-teacher about all what he/she has been doing in the field and other Administrative reports from the teaching practice school.

8.2. EDUCATIONAL PSYCHOLOGY MAJOR

General Education Courses:	32 cr
Major Courses:	47 cr
Core Courses:	44 cr
<u>Minor Courses:</u>	<u>15 cr</u>
Total:	138 cr

BIOL 117 Anatomy and Physiology of Nervous System

3 credits

This course is an introductory study to the Central Nervous System and Hormonal System control of the human body homeostasis. The topics covered include: The Anatomy and Physiology of the Nervous System; the functions of peripheral nervous system; the cooperation of neuron; Central Nervous System and sense organs in the control of the human body; the anatomy and physiology of endocrine system and the functions of the nervous tissue and the diseases that are linked to the disruption of the hormonal system.

BIOL 126 Genetics

3 credits

The course is a study of the mechanisms of transmission of hereditary characteristics. The course covers the definition and purpose of the history of genetics, Mendel and the laws of heredity, the lethality and the interaction of genes, the physical basis of heredity, the cell nucleus and chromosomes, the theories of the chromosomal heredity, the linkage and crossing-over, genetic determination of sex, and gender heredity. The discussion will also include the inheritance of blood groups, rhesus factor, hemophilia and color blindness and cases of mutations, gene expression, protein synthesis and the genetic code.

EDPC 125 Detailed Study of Developmental Psychology

3 credits

The course covers the study of the psychology of adolescent development and psychological adulthood

to old age. It also handles adolescent psychology by analyzing puberty and the physical, emotional, intellectual, sexual, social, moral and religious development to adulthood.

EDPC 212 Great Trends in History of Psychology

3 credits

The course traces and explains the routes of psychology in the philosophy of separating and identifying the main ideas of each current psychological idea. It also discusses the evolution of scientific ideas, philosophical currents of scientific psychology within which the following are dealt with: Wundt, structuralism movement, functionalist movement, current behaviourism, neo-behaviourist movement reflexology, current psychoanalytic clinical course and current cognitivist.

SMTC 317 Special Methodology of Teaching in Teacher Training Colleges 2 credits

The course focuses on effective teaching and also an examination of students' involvement in the teaching and learning process. The topics to cover include concepts of teaching, the teacher, teaching effectiveness, planning and preparation of teaching which include schemes of work and lesson planning, classroom management and other professional responsibilities. The course highlights different models of teaching and general methods of teaching such as inductive and deductive methods.

SOPC 214 Social Psychology

3 credits

This course deals with the definition, history, methods of social psychology and relationship of social psychology with other sciences. The course also describes the notion of groups, concept of dynamic groups, sociometrics, creative groups, decisions groups, technical meeting and communication skills.

EDTE 316 Introduction to Abnormal Psychology

3 credits

The course focuses on the development of psychopathology and mental health issues. The course also looks at the psychological disorders of individuals, life-span developmental disorders and the like. With abnormal psychology, students and lecturer discuss some of the interventions and legal and ethical issues that pertain to abnormal psychology.

EDUC 321 Foundations of Early Childhood Education**3 credits**

The course provides an understanding of the nature of early childhood education, practice and organization. It also unveils to give students, the psychological tools, educational plan, as managed, supervised and taught in the preschool education centres. The course introduces the importance, objective and organization of early childhood education in Rwanda.

EDTE 314 Methods of Teaching in Primary Schools**3 credits**

The course gives the student teacher of educational psychology, the theories of teaching arts, social sciences, mathematics, sciences and technology. It also provides skills on how to design lesson plans. Practically, the student attends some type of lessons taught in primary schools and analyzes them. In the process, the student is required to give trial lessons in primary schools.

EDTE 324 Education of the Exceptional People**3 credits**

This course describes the general types of disabilities in the perspective of psychology and education. The description includes the mental, physical and social impairments in reference to blindness, deafness, dumbness, substance abuse, the child with epilepsy, dyslexia, dyscalculia, and difficulty of concentrating.

EDTE 326 Psychometric Methods**3 credits**

The course provides the student with conceptual tools essential to the analysis of psychometric methods, examines the various methods used for the measurement of psychic phenomena, presents techniques for the construction and administration of tests and the repertoire of different types of test.

EDPC 327 Foundations of Guidance and Counseling**3 credits**

This course centres on the definition of counseling concepts, procedures, methods, and problems in the collection of personal data in a professional interview situation. The course also elaborates theories and techniques of academic, vocational, and therapeutic counseling in various settings. It is designed to improve intra and interpersonal behavioral patterns for a more effective living. Further consideration is given to clinical, educational, and crisis intervention in counseling applications.

FREN 325 Introduction to Psycholinguistics**2 credits**

This course involves the study of the psychology of language. Particular attention is given to language acquisition in children, the mental lexicon, behaviorism and mentalism in linguistics, the formal architecture of grammar, the relationship between language and thought.

EDTE 317 School Orientation**3 credits**

This course focuses on school and professional orientation in the educational institutions. The discussed topics include the meaning of orientation, educational, vocational, professional, and school orientations; the professional needs of school orientation of new members of the teaching profession and the new intake of the students; the Principals agents of school orientation; the school and professional orientation in the Republic of Rwanda and the relevant limits and problems of school orientation in general and particularly in Rwanda.

EDRE 321 Research Project (Memoire)**6 credits**

This course deals with a research problem that a student develops while taking classes at AUCA. The problem is approved by the Faculty of Education. After approval, the student writes the introduction, reviews the literature related to the topic, writes the methodology in which the student shows how the data will be collected, collects the data, analyzes and interprets results and then gives appropriate conclusions and recommendations. This course is taken towards the end of the study.

GEOGRAPHY MINOR

GEOG 217 General Introduction to Geography

2 credits

The course focuses on the concepts and approaches used in geography, the importance of teaching geography and its intervention in understanding our environment and other sciences. This meaning, concepts, origins and evolution of geography. Different schools of geography, current trends of geography; main branches of geography, the purpose of teaching geography and its role in society; interaction between man and environment (determinism, possibilism and their criticisms); relationship between geography and other sciences; importance of quantification in geography.

GEOG 227 Climatology I

2 credits

This course aims to help the students to understand earth movement and their consequences, atmosphere, the factors and elements of climate. The contents of this course comprise the following aspects: Generalities of climatology. Earth's movements and their consequences: rotation, revolution and their consequences); atmosphere (meaning, structure, composition and importance). Climatic/weather elements (precipitation, temperature, atmospheric humidity, atmospheric pressure, wind speed and direction, cloud cover, solar radiation).

Factors of climate/weather (latitudes, altitudes, presence or absence of water bodies, ocean currents, wind circulation, vegetation, exposition, dissection of topography, etc). This course is composed by two theoretical credits and one practical credit. Practical activities comprise calculation of local and international time; drawing the main layers of atmosphere by showing the change of temperature with altitude; field trip to international airport in meteorological centre to see how climatic data are collected and analyzed; preparation of climatic charts and diagrams; field trip report.

GEOG 317 Geography of Rwanda

3 credits

This course targets to study physical features, human and economic aspects of Rwanda. The contents of this course comprise the following aspects; physical features of Rwanda: rocks, formation of landforms, topography, climate, soil, vegetation and drainage; human and economic aspects of Rwanda: population, settlement, agriculture, livestock, fishing, forestry, mining, industrialization, commerce and trade, energy and power, regional and international integration, hindrances and prospects for development of Rwanda. N.B: This course is composed by two theoretical credits and one practical credit. Practical activities: reading and interpreting various maps of Rwanda; identification of various physical features of Rwanda in the field; visit of various economic activities and discussing their roles in development of the country; report of field trips.

GEOG 225 Dynamic Geomorphology**2 credits**

The course aims to give to the student enough knowledge of internal and external geodynamics. The contents of this course comprise the following aspects: Internal geodynamic: internal structure and composition of the earth, theories of formation and distribution of continents, theory of continental drift and their evidences, theory of plate tectonics and their effects, orogenesis. Landforms associated with internal processes: warping (meaning, features formed by warping, influence of warping on drainage and human activities, impact of warping to landscape, distribution of landform associated with warping), folding (meaning, features formed by folding, impacts of folding on drainage and landscape, distribution of folding world ward).

Vulcanicity and volcanicity (meaning, types of volcanoes, materials of volcanism, volcanic features, effects of volcanic eruption, world distribution of volcanoes). Earthquakes (meaning of basic concepts, causes and consequences, measurement, world distribution and precaution measures to be taken). Weathering (chemical, physical and biological). This course is composed by two theoretical credits and one practical credit. Practical activities: Identification of folding and faulting in the field. Differentiate the mountain from volcano. Differentiate the effects of earthquake from erosional effects in the field. Field trip report should be given by students.

GEOG 226 Soil Science**2 credits**

This course targets to cover the processes of soil formation, types, properties, location and erosion of soils. The course will also look at the generalities of soil sciences (basic concepts), soil genetic factors and processes, soil composition and properties; types, classification and taxonomy of soils; localization of main types of soils in world; soil erosion (types, causes and effects); soil conservation measures; economic importance of soils.

GEOG 314 Hydrology**2credits**

The course aims to study the rivers, lakes, seas, oceans and determination of the hydrological balance. The contents of the module will consist of the points described below: Rivers: characteristics, components, drainage patters and economic importance of a river; lakes: types of lakes, mode of formation and importance of lakes; seas and oceans: distribution, composition, relief of ocean floors, movements of ocean water; components of the hydrological balance; Methods and techniques of the hydrological balance calculation; N.B: This module is composed by two theoretical credits and one practical credit. **Practical activities:** Calculation of hydrological balance of Rwanda.

GEOG 318 Cartography**2 credits**

This course aims at giving to the students the capacity of map reading, making and interpretation. The contents of this course will include the following aspects: Cartography: mathematical, semi logical and graphic processes of the representation of the earth; remote sensing: aerial photographs and their interpretation; basic principles and applications of GIS; making different types of maps by using for example Arc View, MapInfo. software. N.B: This course is composed by two theoretical credits and one practical credit. Practical activities: reading physical, human and economic features on a map and interpret them and making a map manually or/and by using appropriate software like Arc View, MapInfo.

8.3. DISTRIBUTION OF COURSES BY SEMESTER IN A PROGRAMME OF 4 YEARS, 3 YEARS WITH SUMMER

8.3.1. Educational Psychology Major - 4 Years Full Time Programme

YEAR ONE SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 114	English Grammar	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
BIOL 117	Anatomy and Physiology of Nervous System	3	30	15	90	135
EDRM 113	Study and Research Methods	2	20	10	60	90
EDAD 116	Philosophy of Education	2	20	10	60	90
INSY 1116	Micro Computer Application	3	30	15	90	90
	Total	18	180	90	540	810

YEAR ONE SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
BIOL 126	Genetics	3	30	15	90	135
HELT 213	Health Principles	3	30	15	90	135

ENGL 122	English Writing Skills	2	20	10	60	90
EDTE 222	Instructional Technology	2	20	10	60	90
EDPC 124	Educational Psychology	2	20	10	60	90
RELT 123	Bible Doctrines	3	30	15	90	135
STAT 121	Descriptive Statistics	3	30	15	90	135
	Total	18	180	90	540	810

YEAR TWO SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 219	English Speaking Skills	3	30	15	90	135
EDAD 322	Sociology of Education	2	20	10	60	90
EDTE 223	Introduction of the Teaching Professional	2	20	10	60	90
EDTE 311	Classroom Test, Measurement and Evaluation	2	20	10	60	90
EDTE 224	Principles of Teaching	2	20	10	60	90
EDAD 325	Pedagogy and History of Education	2	20	10	60	90
FREN 325	Introduction to Psycholinguistics	2	20	10	60	90
EDPC 215	Human Developmental Psychology	3	30	15	90	135
	Total	18	180	90	540	810

YEAR TWO SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
EDPC 212	Great Trend in History of Psychology	3	30	15	90	135
EDTE 316	Introduction to Abnormal Psychology	3	30	15	90	135
EDAD 313	Entrepreneurship & Project Management	3	30	15	90	135
EDPC 125	Detailed Study of Developmental Psychology	3	30	15	90	135
ENGL 227	English Phonology	3	30	15	45	135
EDTE 323	Educational Research Methods	3	30	15	90	135
	Total	18	180	90	540	810

Issuance of A1 (Exit Award) on request

YEAR THREE SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 314	Methods of Teaching Primary Schools	3	30	15	90	135
EDTE 312	Foundations and Curriculum Development	3	30	15	90	135
EDUC 327	Foundations of Early Childhood Education	3	30	15	90	135

EDTE 326	Psychometric Methods	3	30	15	45	135
SOPC 214	Social Psychology	3	30	15	90	135
STAT 215	Inferential Statistics in Education	3	30	15	90	135
	Total	18	180	90	540	810

YEAR THREE SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
GEOG 227	Climatology I	2	20	10	60	90
EDTE 324	Education of the Exceptional People	3	30	15	45	135
EDAD 324	Foundations of School Administration	3	30	15	45	135
GEOG 318	Cartography	2	20	10	60	90
EDAD 413	Comparative Education	2	20	10	60	90
EDAD 412	Economics of Education	2	20	10	60	90
GEOG 217	General Introduction to Geography	2	20	10	60	90
SMTC 317	Special Methodology of Teaching TTC	2	20	10	60	90
		18	180	90	540	810

YEAR FOUR SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 317	School Orientation	2	20	10	60	90
GEOG 314	Hydrology	2	20	10	60	90
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
GEOG 226	Soil Science	2	20	10	60	90
GEOG 225	Dynamic Geomorphology	2	20	10	60	90
EDAD 311	Educational Planning	2	20	10	60	90
GEOG 317	Geography of Rwanda	3	30	15	45	90
EDPC 327	Foundations of Guidance and Counseling	3	30	15	45	135
	Total	18	180	90	540	810

YEAR FOUR SEMESTER 2

Code	Course Name	Credits	Theory	Practice	SDL	Total
GEOG 317	Geography of Rwanda	3	30	15	45	90
EDTE 327	Teaching Practice	4	40	20	120	180

EDRE 321	Research Project	6	60	30	180	270
	Total	13	130	65	405	540

8.3.2. Educational Psychology Major - 3 Years with Summer Full Time Programme

YEAR ONE SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 114	English Grammar	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
BIOL 117	Anatomy and Physiology of Nervous System	3	30	15	90	135
EDRM 113	Study and Research Methods	2	20	10	60	90
EDAD 116	Philosophy of Education	2	20	10	60	90
INSY 1116	Micro Computer Application	3	30	15	90	90
	Total	18	180	90	540	810

YEAR ONE SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
BIOL 126	Genetics	3	30	15	90	135
HELT 213	Health Principles	2	20	10	60	90
ENGL 128	English Writing Skills	3	30	15	90	135

EDPC 124	Educational Psychology	3	30	15	90	135
RELT 123	Bible Doctrines	3	30	15	90	135
STAT 122	Descriptive Statistics	3	30	15	90	135
	Total	18	180	90	540	810

YEAR ONE SUMMER SEMESTER

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 219	English Speaking Skills	3	30	15	90	135
EDPC 215	Human Developmental Psychology	3	30	15	90	135
EDPC 125	Detailed Study of Developmental Psychology	3	30	15	90	135
	Total	9	90	45	270	405

YEAR TWO SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 227	English Phonology	3	30	15	45	135
EDTE 222	Instructional Technology	2	20	10	60	90
EDTE 223	Introduction of the Teaching Professional	2	20	10	60	90

EDTE 311	Classroom Test, Measurement and Evaluation	2	20	10	60	90
EDTE 224	Principles of Teaching	2	20	10	60	90
EDAD 325	Pedagogy and History of Education	2	20	10	60	90
FREN 325	Introduction to Psycholinguistics	2	20	10	60	90
STAT 215	Inferential Statistics in Education	3	30	15	45	135
	Total	18	180	90	450	810

YEAR TWO SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
EDPC 212	Great Trend in History of Psychology	3	30	15	90	135
EDTE 316	Introduction to Abnormal Psychology	3	30	15	90	135
EDAD 213	Entrepreneurship & Project Management	3	30	15	90	135
EDUC 327	Foundations of Early Childhood Education	3	30	15	90	135
SOPC 214	Social Psychology	3	30	15	90	135
EDTE 323	Educational Research Methods	3	30	15	90	135
	Total	18	180	90	540	810

Issuance of A1 (Exit Award) on request

YEAR TWO SUMMER SEMESTER

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 314	Methods of Teaching Primary Schools	3	30	15	90	135
EDTE 312	Foundations and Curriculum Development	3	30	15	90	135
SMTTC 317	Special Methodology of Teaching TTC	3	30	15	90	135
	Total	9	90	45	270	405

YEAR THREE SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
EDAD 322	Sociology of Education	2	20	10	60	90
EDAD 212	Economics of Education	2	20	10	60	90
EDAD 313	Comparative Education	2	20	10	60	90
GEOG 217	General Introduction to Geography	2	20	10	60	90
EDTE 326	Psychometric Methods	3	30	15	45	135
EDTE 324	Education of the Exceptional People	3	30	15	45	135
EDAD 324	Foundations of School Administration	3	30	15	45	135
GEOG 318	Cartography	2	20	10	60	90
	Total	19	190	95	435	855

YEAR THREE SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
EDPC 327	Foundations of Guidance and Counseling	3	30	15	45	135
EDAD 311	Educational Planning	2	20	10	60	90
GEOG 317	Geography of Rwanda	3	30	15	45	90
GEOG 227	Climatology I	2	20	10	60	90
GEOG 314	Hydrology	2	20	10	60	90
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
GEOG 226	Soil Science	2	20	10	60	90
GEOG 225	Dynamic Geomorphology	2	20	10	60	90
	Total	18	180	90	540	810

YEAR THREE SUMMER SEMESTER

Code	Course	Credits	Theory	Practice	SDL	
EDTE 317	School Orientation	2	20	10	60	90
EDTE 327	Teaching Practice	4	40	20	120	180
EDRE 321	Research Project (Memoire)	6	60	30	180	270
	Total	12	60	120	180	675

8.4. ENGLISH LANGUAGE AND LITERATURE MAJOR

General Education Courses:	32 cr
Major Courses:	47 cr
Core Courses:	44 cr
<u>Minor Courses:</u>	<u>15 cr</u>
Total:	138 cr

ENGL 218 Structure of English Language 3 credits

The course involves a detailed study of selected areas of English grammar and usage. It will cover topics as infinitives and clauses; adverbials, prepositional phrases, the verb and its completion, the complex noun phrase, adjuncts, disjuncts and conjuncts; coordination and apposition, in their practical usage in the English language. The course will also pay attention to some grammatical categories such as number, tense, aspect, mood, etc.

ENGL 127 Introduction to the Literary Genres 2 credits

Introduction to major genres of literature such as orature (oral literature), prose fiction (the novel and short story), biography, autobiography, drama and poetry from various cultures and epochs of the world. Course texts will be selected from works by a cross section of authors.

ENGL 117 Introduction to English Phonetics and Phonology 3 credits

This course gives a broad definition of English phonetics and phonology and the differences between the two disciplines. It focuses on articulatory phonetics and the technical terms required for the description and classification of speech sounds, speech production mechanisms and speech sound symbols. It also deals with the manner in which vowels and consonants are produced and the parameters used in their description. The main thrust of the course is on the application

of phonetic science to the teaching of proper pronunciation. Practical exercises in phonetic transcription and articulation will be emphasized. Familiarity with the IPA chart and the IPA system of transcription is stressed.

ENGL 226 Genres of Oral Literature

2 credits

Classification of oral literature material into sub-genres, in depth examination of the sub-genres such as folktales, myths, legends, epics, songs, chants, oral poetry, proverbs, riddles etc. Fieldwork in the study of orator, short fieldwork trips to study/research on Rwanda's oral literature in performance; a final written report by the students on the field excursion is a requirement.

ENGL 214 Stylistics and Literary Techniques

3 credits

Different approaches to the criticism of Literature, technical devices of literary art, imaginative use of language in Literature and varieties of creative experiments; evaluation of current theories in stylistic analysis and interpretation.

ENGL 328 English Literature

3 credits

This course is a survey of English literature from Beowulf through the renaissance, the restoration and the romantic periods. It employs a variety of critical perspectives to explore the poetry, prose and drama of such influential figures as Chaucer, Shakespeare, Donne, Milton, Dryden, Pope, Swift, Blake, Wordsworth, Coleridge, Shelley, and Keats.

ENGL 225 History of English Language

3 credits

This course is an enquiry into the origins, development, and spread of the English language. It looks at the major periods of English development namely Old English, Middle English and Modern English. Major topics to be examined will include source and nature of English vocabulary, discrepancy between spelling and pronunciation, the spread of English to the world, varieties of English to the world, varieties of English such as British, American, Canadian, West African, Australian and New Zealand. Other topics will include English as an international language, English as a global language, the future of English and Standard English.

ENGL 314 African Novel**3 credits**

The course introduces characteristic features of the African Novel, its thematic concerns and its evolution over the years. More specifically, the course explores the development of the novel from authentic and indigenous African forms to contemporary forms; it also examines the blending of African themes and Western language to create the contemporary African novel. In addition, the course conveys the role of the African novelist and includes the novels of Achebe, Ekwensi, Armah, Ngugi, Ousmane, Abrahams, etc.

ENGL 318 Special Methodology of Teaching English**2 credits**

This course deals with methods of teaching English in the secondary schools. Concepts such as teaching strategies, teaching and learning materials (use of charts, images, life experiences, etc.) are discussed. Under the leadership of the main teacher in this course, students are expected to design a lesson plan of English and all the teaching and learning materials that illustrate the lesson. Micro teachings or onsite teaching could be organized by the teacher.

ENGL 327 Children's Literature**3 credits**

Focus on theories of children's literature, studies on children's literature, children literary interests in both oral and written literature, and aspects of children's literature including themes, characterization, language and style, illustrations and general presentation of children in of children's texts.

ENGL 325 Research and Creative Writing**3 credits**

An exploration of the creative process through a practical approach, categories of creative writing compositions, research for/in creative writing; an original final project in any of the genres of creative writing developed under the supervision of the course lecturer to be submitted by each student.

ENGL 326 Introduction to Theatre Arts**2 credits**

Introduction to the rudiments of stage theatre: training the natural talent, the geography of the stage, identifying a suitable play for performance, improvisation in the theatre, acting (auditioning, casting, rehearsing the play), and basics of play directing; as part of final assessment students select a play and perform.

ENGL 225 Poetry**2 credits**

The creative use of language in poetry within its oral context; advantages and disadvantages of poetry in print; special categories of poetry like the sonnet, religious, love, social, political, private and public; the role of poetry in African communities; global sample of some poets to be studied.

ENGL 316 Modern World Prose**2 credits**

Major writers and significant literary movements in the 20th Century to the contemporary period are focused on; texts are selected from authors like Laurence, Foster, Joyce, Conrad, Baldwin, Ellison, Faulkner, Hemingway, Achebe, Soyinka, Orwell, Fitzgerald, Huxley, Koeztler, Golding, etc. for study materials, etc. Prerequisite: ENGL 117

ENGL 226 Prose Fiction**2 credits**

A study of the basic generic characteristics of prose fiction including the novel and the short story; various types of novels and short stories; analysis of sample novels and short stories across regions and cultures of the world.

ENGL 319 African–American Literature**3 credits**

A wide sampling of African-American writing from slave narratives to contemporary prose fiction, drama and poetry; authors such as Du Bois, Dunbar, Baraka, Whitley, Huston, Wright, Baldwin, Morrison, Walker, Maya, Hunsberry, Hughes, etc. are studied.

EDRE 321 Research Project (Memoire)**6 credits**

This course deals with a research problem in the area of English that a student develops while taking classes at AUCA. The problem is approved by the Faculty of Education. After approval, the student writes the introduction, reviews the literature related to the topic, writes the methodology in which the student shows how the data will be collected, collects the data, analyzes and interprets results and then gives appropriate conclusions and recommendations. This course is taken towards the end of the study.

FRENCH MINOR

FREN 217 Introduction to General Linguistics I

3 credits

This course involves a brief overview of linguistic studies of the French language, the areas and branches of contemporary French linguistics, their basic concepts and principles. The course specifically covers the following areas: definition of linguistics, introduction to descriptive linguistics, its major sub division, levels of linguistic analysis, the speech community, language and dialect, bilingualism and multilingualism, standard French language, Pidgin and Creole.

FREN 218 Phonetics and Phonology of French Language

3 credits

This course is an introduction to the sound structure of French such as vowels, glides and consonants. The relationship between spelling and pronunciation. The prosodic system of French. Specific problems: nasal vowels, the loi-de-position, mute intonation, liaison and aspirated incantation will also be discussed along with variation in the form of words through numerous exercises.

FREN 225 Textual Analysis in French

3 credits

This course deals with narrative text: definition, functions of a narrative text, organizational characteristics, shareholding action, and sequential ordering of narrative clauses; the descriptive text: organizational characteristics and grammatical characteristics; informative text: definition and support in diverse communication situations; explanatory text: function organizational characteristics, lexical characteristics, grammatical characteristics, and enunciation indications; argumentative text: functions, organizational characteristics, and grammatical characteristics argument value.

FREN 314 Oral and Written Expression Techniques

3 credits

This course provides the student the basic skills of communication, which is developed through the study of sounds and the basic structural mechanism, basic reading texts, study of grammar and practical work in small groups. This course requires a basic knowledge in French. It also equips students with the ability to communicate orally in French on a persuasive and intellectual tone. It uses different types of oral arguments, the development of a plan, and techniques of verbal persuasion, argumentation, refutation, reports, summaries, and minutes. In addition, it prepares the student to a written communication in an intellectually persuasive tone. The course includes the study of the structure of a paragraph using chronological flow of thought and the different types of arguments, the

development of a persuasive, discursive, dialectical, accumulation and association, and the wise use of variation in the text. It aims at strengthening the notions of verbs, gerunds, participles, the mode of oral production and expression, oral and written discourse analysis, narrative, descriptive, dialogue and speech, structural analysis of a phoneme, rhythm, sentence, intonation, listening skills, presentations, interviews.

FREN 315 Linguistics and French Grammar

3 credits

This course handles grammar: notions and components, principles, representatives and illustrations of grammar and linguistic currents. Pre-Sassure: empirical grammar, universal grammar, etc. Post-Sassure structuralism, generativism, functionalism, etc.

8.4.1. Education with English Language and Literature - 4 Years Full Time Programme

YEAR ONE SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 114	English Grammar	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
ENGL 218	The structure of English Language	3	30	15	90	135
EDRM 113	Study and Research Methods	2	20	10	60	90
EDAD 116	Philosophy of Education	2	20	10	60	90
INSY 1116	Micro Computer Application	3	30	15	90	90
	Total	18	180	90	540	810

YEAR ONE SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 117	Introduction to Phonetics and Phonology of English	3	30	15	90	135
HELT 213	Health Principles	2	20	10	60	90

ENGL 122	English Writing Skills	3	30	15	90	135
EDTE 222	Instructional Technology	2	20	10	60	90
EDPC 124	Educational Psychology	2	20	10	60	90
RELT 123	Bible Doctrines	3	30	15	90	135
STAT 121	Descriptive Statistics	3	30	15	90	135
	Total	18	180	90	540	810

YEAR TWO SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 219	English Speaking Skills	3	30	15	90	135
ENGL 328	English Literature	3	30	15	90	135
EDTE 223	Introduction of the Teaching Professional	2	20	10	60	90
EDTE 311	Classroom Test, Measurement and Evaluation	2	20	10	60	90
EDTE 224	Principles of Teaching	2	20	10	60	90
ENGL 225	History of English Language	3	30	15	90	135
EDPC 215	Human Developmental Psychology	3	30	15	90	135
	Total	18	180	90	540	810

YEAR TWO SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
EDAD 325	Pedagogy and History of Education	2	20	10	60	90
EDAD 313	Entrepreneurship & Project Management	3	30	15	90	135
ENGL 314	African Novel	3	30	15	90	135
ENGL 227	English Phonology	3	30	15	45	135
EDTE 323	Educational Research Methods	3	30	15	90	135
ENGL 225	Poetry	2	20	10	60	90
ENGL 226	Prose Fiction	2	20	10	60	90
	Total	18	180	90	540	810

Issuance of A1 (Exit Award) on request

YEAR THREE SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 312	Foundations and Curriculum Development	3	30	15	90	135
ENGL 327	Children's Literature	3	30	15	90	135
EDAD 322	Sociology of Education	2	20	10	60	90

EDAD 412	Economics of Education	2	20	10	60	90
ENGL 226	Genres of Oral Literature	2	20	10	60	90
ENGL 325	Research and Creative Writing	3	30	15	90	135
STAT 215	Inferential Statistics in Education	3	30	15	90	135
	Total	18	180	90	540	810

YEAR THREE SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
FREN 225	Oral and Written Expression Techniques	3	30	15	90	135
ENGL 327	Introduction to Literary Genres	2	20	10	60	90
EDAD 324	Foundations of School Administration	3	30	15	45	135
FREN 315	Linguistics and French Grammar	3	30	15	90	135
EDAD 413	Comparative Education	2	20	10	60	90
ENGL 214	Stylistics and Literary Techniques	3	30	15	90	135
ENGL 326	Introduction to Theatre Arts	2	20	10	60	90
		18	180	90	540	810

YEAR FOUR SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
FREN 218	Phonetics and Phonology of French Language	3	30	15	90	135
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
ENGL 319	African American English	3	30	15	90	135
ENGL 316	Modern World Prose	2	20	10	60	90
FREN 212	Textual Analysis of French	3	30	15	90	135
SMTE 318	Special Methodology of Teaching English	2	20	10	60	90
FREN 217	Introduction to General Linguistics I	3	30	15	90	135
	Total	18	180	90	540	810

YEAR FOUR SEMESTER 2

Code	Course Name	Credits	Theory	Practice	SDL	Total
EDAD 311	Educational Planning	2	20	10	60	90
EDTE 327	Teaching Practice	4	40	20	120	180
EDRE 321	Research Project (Memoire)	6	60	30	180	270
	Total	12	120	60	360	540

8.4.2. Education with English Language and Literature - 3 Years with Summer Full Time Programme

YEAR ONE SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 114	English Grammar	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
ENGL 116	The structure of English Language	3	30	15	90	135
EDRM 113	Study and Research Methods	2	20	10	60	90
EDAD 116	Philosophy of Education	2	20	10	60	90
INSY 116	Micro Computer Application	3	30	15	90	135
	Total	18	180	90	540	810

YEAR ONE SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 117	Introduction to Phonetics and Phonology of English	3	30	15	90	135
EDTE 222	Instructional Technology	2	20	10	60	90
HELT 213	Health Principles	2	20	10	60	90

ENGL 122	English Writing Skills	3	30	15	90	135
EDPC 216	Educational Psychology	2	20	10	60	90
RELT 123	Bible Doctrines	3	30	15	90	135
STAT 121	Descriptive Statistics	3	30	15	90	135
	Total	18	180	90	540	810

YEAR ONE SUMMER SEMESTER

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 219	English Speaking Skills	3	30	15	90	135
EDPC 215	Human Developmental Psychology	3	30	15	90	135
ENGL 225	History of English Language	3	30	15	90	135
	Total	9	90	45	270	405

YEAR TWO SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 227	English Phonology	3	30	15	90	135
ENGL 328	English Literature	3	30	15	90	135
EDTE 223	Introduction of the Teaching Professional	2	20	10	60	90
EDTE 311	Classroom Test, Measure and Evaluation	2	20	10	60	90
EDTE 311	Principles of Teaching	2	20	10	60	90

ENGL 314	African Novel	3	30	15	90	135
STAT 215	Inferential Statistics in Education	3	30	15	90	135
	Total	18	180	90	540	810

YEAR TWO SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 227	Prose Fiction	2	20	10	60	90
ENGL 225	Poetry	2	20	10	60	90
EDTE 312	Foundations and Curriculum Development	3	30	15	90	135
ENGL 214	Stylistics and Literary Techniques	3	30	15	90	135
ENGL 226	Genres of Oral Literature	2	20	10	60	90
ENGL 325	Research and Creative Writing	3	30	15	90	135
EDTE 323	Educational Research Methods	3	30	15	90	135
	Total	18	180	90	540	810

Issuance of A1 (Exit Award) on request

YEAR TWO SUMMER SEMESTER

Code	Course	Credits	Theory	Practice	SDL	Total
FREN 225	Oral and Written Expression Techniques	3	30	15	90	135
EDAD 213	Entrepreneurship & Project Management	3	30	15	90	135
ENGL 327	Children's Literature	3	30	15	90	135
	Total	9	90	45	270	405

YEAR 3, SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
EDAD 322	Sociology of Education	2	20	10	60	90
EDAD 312	Economics of Education	2	20	10	60	90
EDAD 313	Comparative Education	2	20	10	60	90
ENGL 315	Theory and Methods in Oral Literature	2	20	10	60	90
ENGL 326	Introduction to Theatre Arts	2	20	10	60	90
ENGL 327	Introduction to Literary Genres	2	20	10	60	90
FREN 315	Linguistics and French Grammar	3	30	15	90	135
EDAD 324	Foundations of School Administration	3	30	15	90	135
		18	180	90	540	810

YEAR 3, SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
SMTE 318	Special Methodology of Teaching English	2	20	10	60	90
EDAD 311	Educational Planning	2	20	10	60	90
FREN 217	Introduction to General Linguistics I	3	30	15	90	135
ENGL 316	Modern World Prose	2	20	10	60	90
EDAD 325	Pedagogy and History of Education	2	20	10	60	90

RELT 221	Philosophy, Science and Religion	2	20	10	60	90
EDTE 323	Educational Research Methods	3	30	15	90	135
FREN 218	Phonetics and Phonology of French Language	3	30	15	90	135
	Total	19	190	95	570	855

YEAR 3, SUMMER SEMESTER 3

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 319	African American English	3	30	15	90	135
FREN 212	Textual Analysis of French	3	30	15	90	135
EDTE 327	Teaching Practice	4	40	20	120	180
EDRE 321	Research Project (Memoire)	6	60	30	180	270
	Total	16	190	95	570	855

8.5. EDUCATION WITH ACCOUNTING MAJOR

General Education Courses:	32 cr
Major Courses:	48 cr
Core Courses:	44 cr
<u>Minor Courses:</u>	<u>15 cr</u>
Total:	139 cr

MATH 111 Business Mathematics 3 credits

The following must be controlled because they are essential in various courses: logarithms, progressions, combinatorial analysis, determinants, matrices, functions, derivatives and integral calculus. Applications should be concentrated in the commercial field.

MGMT 127 Principles of Management 3 credits

Study of different phases of the development of enterprises; study of the management process: planning, organization leading, controlling and the prospects for the future management and decision-making process. *Prerequisite:*

ACCT 222 Principles of Accounting II 3 credits

As a continuation of fundamental of accounting I, the course deals with partnership and corporate forms of business ownerships and the accounting associated with such ownership. An introduction of the basic accounting concepts and principles in the area of Managerial Accounting. The course also covers manufacturing accounting systems, standard costing, and the mechanism of planning, controlling, and decision making related to capital investments. *Prerequisite: ACCT 112.*

ECON 217 Microeconomics**3 credits**

This the first course of introductory courses in economic theory. It covers the basic concepts in microeconomics and their analysis. The market mechanism: demand, supply and market equilibrium, elasticity, consumer choice and demand, firms and production, costs of production, profit maximization, market structures, and the factor markets, market imperfection and government intervention.

BSAD 214 Business Law I**3 credits**

The concept of law in general, including the definition of law in general and the importance of law in society, purpose of the rule of law, comparing the rule of law from other rules. The right perfect and imperfect law; character of the rule of law, sources of law, interpretation of the rule of law, the right and the right goal; acquisition, transfer and extinguishment. Particular attention will be given to key areas of law: national law and international law, public law and private law and the judicial law.

BSAD 222 Business Communication**3 credits**

Development of effective communication for business and management through written letters, memoranda, and short reports. Analytical skills and effective expression are developed through applying communication principles to case situations. *Prerequisite: ENGL 1202.*

ACCT 314 Intermediate Accounting I**3 credits**

This course is a review of the basic accounting concepts and principles with the objective of acquiring broader perspective in the area of financial statement preparation, current assets and their related revenue accounts. The course includes accounting concepts and principles in the area of non-current assets, current and non-current liabilities, stockholders' equity and the related revenue and expense accounts and also the statement of changes in financial position. *Prerequisite: ACCT 1203.*

ECON 225 Macroeconomics**3 credits**

This is a course which introduces the students to economic theory covering basic concepts and analysis in macroeconomics. It covers macroeconomic aggregates and their measurements, gross domestic product and economic growth, unemployment and employment, price levels and inflation, national income accounts, national income as an indication of social welfare, aggregate demand and aggregate supply models, the classic model, the Keynesian model of income determination, fiscal policy, economic growth and development. *Prerequisite: ECON 1303.*

ACCT 324 Intermediate Accounting II**3 credits**

As a continuation of Intermediate Accounting I, this course deals with a study of accounting concepts and principles in miscellaneous topics such as accounting for pension and post-retirement benefits. Also covered in this course are accounting changes and error analysis, basic financial analysis and full disclosures in financial statements. *Prerequisite: ACCT 1304*

MKTG 227 Principles of Marketing**3 credits**

A study reports; marketing/production, marketing/consumer, marketing/intermediary. Study methods to improve the consumer inventory of the most conducive to market and ways to achieve this; study the behavior of a consumer. The major marketing institutions, programmes strategies, and practices examined from the viewpoint of their effects on the exchange process involved in moving goods from producers to ultimate consumers.

BSAD 315 Human Resource Management**3 credits**

A study of the role and nature of the human resource management, forms of capital, history and the main functions: human resource planning, staffing, training, education, evaluation, compensation, labor relations etc. *Prerequisite: MGMT 1402.*

FNCE 311 Principles of Finance**3 credits**

This course is an introduction to financial management techniques. Topics include: forms of business organizations, time value of money, valuation of stocks and bonds, cost of capital, capital budgeting analysis, flow of funds, ratio analysis, working capital, various sources of corporate funds,

international financial management, and other topics associated with successful business finance decisions in an internationally competitive environment. ***Prerequisite: ACCT 114.***

SMTA 221 Special Methodology of Teaching Accounting

2 credits

This course deals with methods of teaching accounting in the secondary schools. Concepts such as teaching strategies, teaching and learning materials (use of charts, images, life experiences, etc) are discussed. Under the leadership of the main teacher in this course, students are expected to design a lesson plan of Mathematics and all the teaching and learning materials that illustrate the lesson. Micro teachings or onsite teaching could be organized by the teacher.

ACCT 312 Cost Accounting

3 credits

This course is a study of cost determination, accumulation, and allocation procedures. The course covers the area of job order costing and process costing. It also covers standard costs, transfer pricing, differential cost and revenue analysis. ***Prerequisite: ACCT 3204.***

EDRE 4211 Research Project (Memoire)

6 credits

This course deals with a research problem that a student develops while taking classes at AUCA. The problem is approved by the Faculty of Education. After approval, the student writes the introduction, reviews the literature related to the topic, writes the methodology in which the student shows how the data will be collected, collects the data, analyzes and interprets results and then gives appropriate conclusions and recommendations. This course is taken towards the end of the study.

INFORMATION TECHNOLOGY MINOR

INSY 111 Introduction to Information Management

3 credits

The course is an introduction to the use of computer in the business care. It introduces computer concepts such as Computer History, Computer Hardware and Problem-Solving Algorithms. It also includes hands-on usage of the computer in using Word processor, Spreadsheet Database and Basic Programming.

INSY 212 Database Management Systems**3 credits**

This course provides an introduction to the different systems of database management (DBMS). It gives a detailed study of the relational model, the relational algebra, the normalization of relations, language and design of SQL transaction and how they work. ***Prerequisite: INSY 1101.***

INSY 314 Accounting Software**3 credits**

This course deals with application software that records and processes accounting transactions within functional modules such as accounts payable, accounts receivable, payroll, trial balance, and preparation of financial statements. It functions as an accounting information system.

INSY 322 Management Information System**3 credits**

The course covers the use and effect of computer information processing in a business environment with emphasis on management; computer system theory; business computing equipments; management concerns such as decision support system, computer security, and data base management information system; systems life cycle and systems analysis and design. Includes use of business software such as network systems, data base implementations, statistic packages, forecasting programmes, and simulations.

INSY 214 Computer Maintenance**3 credits**

The course is an introduction to the architecture of the material, the use of diagnostic programme, assembly, installation and repair of equipment. ***Prerequisite: INSY 1101.***

8.5.1. Education with Accounting - 4 Years Full Time Programme

YEAR ONE SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 114	English Grammar	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
MATH 111	Business Math	3	30	15	90	135
EDRM 113	Study and Research Methods	2	20	10	60	90
EDAD 116	Philosophy of Education	2	20	10	60	90
INSY 1116	Micro Computer Application	3	30	15	90	90
	Total	18	180	90	540	810

YEAR ONE SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
ACCT 126	Principles of Accounting II	3	30	15	90	135
HELT 213	Health Principles	2	20	10	60	90
ENGL 122	English Writing Skills	3	30	15	90	135
EDPC 124	Educational Psychology	2	20	10	60	90
EDTE 222	Instructional Technology	2	20	10	60	90
RELT 123	Bible Doctrines	3	30	15	90	135
STAT 121	Descriptive Statistics	3	30	15	90	135
	Total	18	180	90	540	810

YEAR TWO SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 219	English Speaking Skills	3	30	15	90	135
ECON 217	Microeconomics	3	30	15	90	135
EDTE 223	Introduction of the Teaching Professional	2	20	10	60	90
EDTE 311	Classroom Test, Measurement and Evaluation	2	20	10	60	90

EDTE 224	Principles of Teaching	2	20	10	60	90
MKTG 127	Principles of Management	3	30	15	90	135
EDPC 215	Human Developmental Psychology	3	30	15	90	135
	Total	18	180	90	540	810

YEAR TWO SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
EDAD 313	Entrepreneurship & Project Management	3	30	15	90	135
BSAD 214	Business Law	3	30	15	90	135
BSAD 315	Human Resource Management	3	30	15	90	135
BSAD 222	Business Communication	3	30	15	90	135
ENGL 227	English Phonology	3	30	15	45	135
EDTE 323	Educational Research Methods	3	30	15	90	135
	Total	18	180	90	540	810

Issuance of A1 (Exit Award) on request

YEAR THREE SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 312	Foundations and Curriculum Development	3	30	15	90	135
EDAD 322	Sociology of Education	2	20	10	60	90
EDAD 412	Economics of Education	2	20	10	60	90
EDAD 325	Pedagogy and History of Education	2	20	10	60	90
ACCT 215	Intermediate Accounting I	3	30	15	90	135
BSAD 314	Entrepreneurship	3	30	15	90	135
EDAD 324	Foundations of School Administration	3	30	15	45	135
	Total	18	180	90	540	810

YEAR THREE SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
ECON 225	Macroeconomics	3	30	15	90	135
ACCT 224	Intermediate Accounting II	3	30	15	90	135
SMTTC 317	Special Methodology of Teaching TTC	2	20	10	60	90
INSY 117	Introduction to Information Management	3	30	15	90	135
EDAD 413	Comparative Education	2	20	10	60	90

EDAD 311	Educational Planning	2	20	10	60	90
STAT 215	Inferential Statistics in Education	3	30	15	90	135
	Total	18	180	90	540	810

YEAR FOUR SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
INSY 212	Database Management Systems	3	30	15	90	135
FNCE 311	Principles of Finance	3	30	15	90	135
MKTG 227	Principles of Marketing	3	30	15	90	135
ACCT 313	Cost Accounting	3	30	15	90	135
INSY 313	Accounting Software Application	3	30	15	90	135
INSY 214	Computer Maintenance	3	30	15	90	135
	Total	18	180	90	540	810

YEAR FOUR SEMESTER 2

Code	Course Name	Credits	Theory	Practice	SDL	Total
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
INSY 312	Management Information System	3	30	15	90	135
EDTE 327	Teaching Practice	4	40	20	120	180
EDRE 321	Research Project (Memoire)	6	60	30	180	270
	Total	15	150	150	450	675

8.5.2. Educational with Accounting - 3 Years with Summer Full Time Programme

YEAR ONE SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 114	English Grammar	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
MATH 111	Business Math	3	30	15	90	135
EDRM 113	Study and Research Methods	2	20	10	60	90
EDAD 116	Philosophy of Education	2	20	10	60	90
INSY 116	Micro Computer Application	3	30	15	90	135
	Total	18	180	90	540	810

YEAR ONE SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
ACCT 126	Principles of Accounting II	3	30	15	90	135
EDTE 222	Instructional Technology	2	20	10	60	90
HELT 213	Health Principles	2	20	10	60	90

ENGL 122	English Writing Skills	3	30	15	90	135
EDPC 216	Educational Psychology	2	20	10	60	90
RELT 123	Bible Doctrines	3	30	15	90	135
STAT 121	Descriptive Statistics	3	30	15	90	135
	Total	18	180	90	540	810

YEAR ONE SUMMER SEMESTER

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 219	English Speaking Skills	3	30	15	90	135
EDPC 215	Human Developmental Psychology	3	30	15	90	135
MATH 127	Principles of Management	3	30	15	90	135
	Total	9	90	45	270	405

YEAR TWO SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 227	English Phonology	3	30	15	90	135
BSAD 214	Business Law	3	30	15	90	135
EDTE 223	Introduction of the Teaching Professional	2	20	10	60	90

EDTE 311	Classroom Test, Measure and Evaluation	2	20	10	60	90
EDTE 311	Principles of Teaching	2	20	10	60	90
BSAD 315	Human Resource Management	3	30	15	90	135
STAT 215	Inferential Statistics in Education	3	30	15	90	135
	Total	18	180	90	540	810

YEAR TWO SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
BSAD 222	Business Communication	3	30	15	90	135
ECON 217	Microeconomics	3	30	15	90	135
EDTE 312	Foundations and Curriculum Development	3	30	15	90	135
ACCT 215	Intermediate Accounting I	3	30	15	90	135
BSAD 314	Entrepreneurship	3	30	15	90	135
EDTE 323	Educational Research Methods	3	30	15	90	135
	Total	18	180	90	540	810

Issuance of A1 (Exit Award) on request

YEAR TWO SUMMER SEMESTER

Code	Course	Credits	Theory	Practice	SDL	Total
ECON 225	Macroeconomics	3	30	15	90	135
EDAD 213	Entrepreneurship & Project Management	3	30	15	90	135
ACCT 224	Intermediate Accounting II	3	30	15	90	135
	Total	9	90	45	270	405

YEAR THREE SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
EDAD 322	Sociology of Education	2	20	10	60	90
EDAD 312	Economics of Education	2	20	10	60	90
EDAD 313	Comparative Education	2	20	10	60	90
EDAD 311	Educational Planning	2	20	10	60	90
MKTG 227	Principles of Marketing	3	30	15	90	135
INSY 212	Database Management Systems	3	30	15	90	135
ACCT 313	Cost Accounting	3	30	15	90	135
EDAD 324	Foundations of School Administration	3	30	15	90	135
	Total	18	180	90	540	810

YEAR THREE SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
SMTE 318	Special Methodology of Teaching Accounting	2	20	10	60	90
INSY 117	Introduction to Information Management	3	30	15	90	135
INSY 313	Accounting Software Application	3	30	15	90	135
EDAD 325	Pedagogy and History of Education	2	20	10	60	90
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
INSY 312	Management Information System	3	30	15	90	135
INSY 214	Computer Maintenance	3	30	15	90	135
	Total	18	180	90	540	810

YEAR THREE SUMMER SEMESTER

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 327	Teaching Practice	4	40	20	120	180
EDRE 321	Research Project (Memoire)	6	60	30	180	270
	Total	10	130	65	390	585

8.6. INFORMATION MANAGEMENT MAJOR

General Education Courses:	32 cr
Major Courses:	48 cr
Core Courses:	44 cr
<u>Minor Courses:</u>	<u>15 cr</u>
Total:	139 cr

INSY 117 Introduction to Information Management 3 credits

The course is an introduction to the use of computer in the business care. It introduces computer concepts such as Computer History, Computer Hardware and Problem Solving Algorithms. It also includes hands-on usage of the computer in using Word processor, Spreadsheet Database and Basic Programming. ***Prerequisite: INSY 131.***

INSY 323 Object Oriented Programming with C ++ 5 credits

With this course students learn the fundamental concepts of OOP (classes, depending friends, constructors, destructors, pointers to objects, inheritance, polymorphism and encapsulation). It also covers classes and generic functions, except the capture and flow of input/output redirected to files. ***Prerequisite: INSY 131.***

INSY 212 Database Management Systems 3 credits

This course provides an introduction to the different systems of database management (DBMS). It gives a detailed study of the relational model, the relational algebra, the normalization of relations, language and design of SQL transaction and how they work. ***Prerequisite: INSY 111.***

INSY 314 Database Development PL/SQL**4 credits**

The course addresses the study of a relational database under the Oracle environment. Students will be introduced to the DBMS and SQL based on a client /server architecture. Students study how to formulate SQL queries, create tables, indexes and statements using SQL * Plus. The course also defines the different levels of security while maintaining data integrity. The basic concept of PL/SQL are discussed with the triggers, stored procedures, functions and packages.

Prerequisite: .

INSY 223 Programming with C**4 credits**

This course provides a detailed study of the language C. This involves the study of variables and basic data types, control structures, arrays and a number of dimensions, functions, recursion, structures, pointers and dynamic management of memory, files and the design of structured Programming. **Prerequisite:** *INSY 121*

INSY 214 Computer Maintenance**3 credits**

The course is an introduction to the architecture of the material, the use of diagnostic programme, assembly, installation and repair of equipment. **Prerequisite:** *INSY 111*.

INSY 216 Algorithms**4 credits**

This course is designed for novice programmers. Its objective is to provide students with an abstract and logical thinking and the tools needed to write a computer programme. Students are introduced to fundamental concepts and algorithms that are known to most Programming languages. The course covers data structures, analysis and implementation of algorithms that use these structures. This course emphasizes the practical, providing the students with a toolbox of techniques that can be used for a variety of solutions in Programming. **Prerequisite:** *INSY 111*.

INSY 313 Special Methodology of Teaching Computer**2 credits**

This course deals with methods of teaching computer in the secondary schools. Concepts such as teaching strategies, teaching and learning materials (use of charts, images, life experiences, etc) are discussed. Under the leadership of the main teacher in this course, students are expected to design a lesson plan of Mathematics and all the teaching and learning materials that illustrate the lesson. Micro teachings or onsite teaching could be organized by the teacher.

INSY 411 Computer Networks

4 credits

This course covers various topics in communication systems distribution. It includes models of parallel transmission, the parameters for routing and network analysis and dissemination strategies in the static and dynamic networks. The OSI model, bandwidth, multiplexer, management errors and their correction are also be put in evidence. *Prerequisite: INSY 131.*

INSY 324 Java Programming

4 credits

With this course, students learn about the Java development environment, the different packages offered by this language, all the concepts of object-oriented based Java applets and their use and development including network sockets. *Prerequisite: INSY 2101.*

INSY 322 Operating System

4 credits

This course covers the various modules of an operating system. These modules include the management of microprocessor storage devices, semaphores, Multi Programming and management processes. It also covers the different components of an operating system as the file system, and Kernel. Security and performance measurement system are also brought to light. *Prerequisite: INSY 111.*

INSY 226 Management Information System

3 credits

The course covers the use and effect of computer information processing in a business environment with emphasis on management; computer system theory; business computing equipments; management concerns such as decision support system, computer security, and data base management information system; systems life cycle and systems analysis and design. Includes use of business software such as network systems, data base implementations, statistic packages, forecasting programmes, and simulations.

EDRE 321 Research Project**6 credits**

This course deals with a research problem that a student develops while taking classes at AUCA. The problem is approved by the Faculty of Education. After approval, the student writes the introduction, reviews the literature related to the topic, writes the methodology in which the student shows how the data will be collected, collects the data, analyzes and interprets results and then gives appropriate conclusions and recommendations. This course is taken towards the end of the study.

ACCOUNTING MINOR**ACCT 222 Principles of Accounting II****3 credits**

As a continuation of fundamental of accounting I, the course deals with partnership and corporate forms of business ownerships and the accounting associated with such ownership. An introduction of the basic accounting concepts and principles in the area of Managerial Accounting. The course also covers manufacturing accounting systems, standard costing, and the mechanism of planning, controlling, and decision making related to capital investments. *Prerequisite: ACCT 112.*

ACCT 314 Intermediate Accounting I**3 credits**

This course is a review of the basic accounting concepts and principles with the objective of acquiring broader perspective in the area of financial statement preparation, current assets and their related revenue accounts. The course includes accounting concepts and principles in the area of non-current assets, current and non-current liabilities, stockholders' equity and the related revenue and expense accounts and also the statement of changes in financial position. *Prerequisite: ACCT 123.*

ACCT 324 Intermediate Accounting II**3 credits**

As a continuation of Intermediate Accounting I, this course deals with a study of accounting concepts and principles in miscellaneous topics such as accounting for pension and post retirement benefits. Also covered in this course are accounting changes and error analysis, basic financial analysis and full disclosures in financial statements. *Prerequisite: ACCT 134*

ACCT 412 Cost Accounting**3 credits**

This course is a study of cost determination, accumulation, and allocation procedures. The course covers the area of job order costing and process costing. It also covers standard costs, transfer pricing, differential cost and revenue analysis. ***Prerequisite: ACCT 313.***

MGMT 221 Principles of Management**3 credits**

Study of different phases of the development of enterprises; study of the management process: planning, organization leading, controlling and the prospects for the future management and decision-making process. ***Prerequisite: ACCT 111***

8.6.1. Education with Information Technology - 4 Years Full Time Programme

YEAR 1, SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 114	English Grammar	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
INSY 117	Introduction to Information Management	3	30	15	90	135
EDRM 113	Study and Research Methods	2	20	10	60	90
EDAD 116	Philosophy of Education	2	20	10	60	90
INSY 1116	Micro Computer Application	3	30	15	90	90
	Total	18	180	90	540	810

YEAR ONE SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
INSY 212	Database management Systems	3	30	15	90	135
HELT 213	Health Principles	3	30	15	90	135
ENGL 122	English Writing Skills	2	20	10	60	90

EDPC 124	Educational Psychology	2	20	10	60	90
EDTE 222	Instructional Technology	2	20	10	60	90
RELT 123	Bible Doctrines	3	30	15	90	135
STAT 121	Descriptive Statistics	3	30	15	90	135
	Total	18	180	90	540	810

YEAR TWO SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 219	English Speaking Skills	3	30	15	90	135
EDAD 325	Pedagogy and History of Education	2	20	10	60	90
EDTE 223	Introduction of the Teaching Professional	2	20	10	60	90
EDTE 311	Classroom Test, Measurement and Evaluation	2	20	10	60	90
EDTE 224	Principles of Teaching	2	20	10	60	90
INSY 314	Database Development with PL SQL	4	40	20	120	180
EDPC 215	Human Developmental Psychology	3	30	15	90	135
	Total	18	180	90	540	810

YEAR TWO SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
EDAD 313	Entrepreneurship & Project Management	3	30	15	90	135
EDAD 322	Sociology of Education	2	20	10	60	90
INSY 214	Computer Maintenance	3	30	15	90	135
INSY 216	Algorithms	4	40	20	120	180
ENGL 227	English Phonology	3	30	15	45	135
EDTE 323	Educational Research Methods	3	30	15	90	135
	Total	18	180	90	540	810

Issuance of A1 (Exit Award) on request

YEAR THREE SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 312	Foundations and Curriculum Development	3	30	15	90	135
INSY 324	Java Programming	4	40	20	120	180
ACCT 222	Principles of Accounting II	3	30	15	90	135
INSY 323	Object Oriented Programming with C++	5	45	30	150	225
STAT 215	Inferential Statistics in Education	3	30	15	90	135
	Total	18	180	90	540	810

YEAR THREE SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
ACCT 215	Intermediate Accounting I	3	30	15	90	135
MGTM 221	Principles of Management	3	30	15	90	135
EDAD 324	Foundations of School Administration	3	30	15	45	135
ACCT 313	Cost Accounting	3	30	15	90	135
INSY 311	Computer Networks	4	40	20	120	180
SMTI 317	Special Methodology of Teaching TTC	2	20	10	60	90
		18	180	90	540	810

YEAR FOUR SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
EDAD 413	Comparative Education	2	20	10	60	90
EDAD 311	Educational Planning	2	20	10	60	90
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
INSY 322	Operating Systems	4	40	20	120	180

ACCT 224	Intermediate Accounting II	3	30	15	90	135
INSY 212	Database Management Systems	3	30	15	90	135
EDAD 412	Economics of Education	2	20	10	60	90
	Total	18	180	90	540	810

YEAR FOUR SEMESTER 2

Course Code	Course Name	Credits	Theory	Practice	SDL	Total
INSY 312	Management Information System	3	30	15	90	135
EDTE 327	Teaching Practice	4	40	20	120	180
EDRE 321	Research Project (Memoire)	6	60	30	180	270
	Total	13	130	65	390	585

8.6.2. Education with Information Technology - 3 Years with Summer Full Time Programme

YEAR ONE SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 114	English Grammar	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
INSY 125	Introduction to Information Management	3	30	15	90	135
EDRM 113	Study and Research Methods	2	20	10	60	90
EDAD 116	Philosophy of Education	2	20	10	60	90
INSY 116	Micro Computer Application	3	30	15	90	135
	Total	18	180	90	540	810

YEAR ONE SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
INSY 217	Database management Systems	3	30	15	90	135
EDTE 222	Instructional Technology	2	20	10	60	90
HELT 213	Health Principles	2	20	10	60	90
ENGL 122	English Writing Skills	3	30	15	90	135

EDPC 216	Educational Psychology	2	20	10	60	90
RELT 123	Bible Doctrines	3	30	15	90	135
STAT 121	Descriptive Statistics	3	30	15	90	135
	Total	18	180	90	540	810

YEAR ONE SUMMER SEMESTER

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 219	English Speaking Skills	3	30	15	90	135
EDPC 215	Human Developmental Psychology	3	30	15	90	135
INSY 317	Database Development with PL SQL	4	40	20	120	180
	Total	10	100	50	300	450

YEAR 2, SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 227	English Phonology	3	30	15	90	135
INSY 214	Computer Maintenance	3	30	15	90	135
EDTE 223	Introduction of the Teaching Professional	2	20	10	60	90
EDTE 311	Classroom Test, Measure and Evaluation	2	20	10	60	90

EDTE 311	Principles of Teaching	2	20	10	60	90
INSY 312	Management Information System	3	30	15	90	135
STAT 215	Inferential Statistics in Education	3	30	15	90	135
	Total	18	180	90	540	810

YEAR 2, SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
EDAD 325	Pedagogy and History of Education	2	20	10	60	90
INSY 216	Algorithms	4	40	20	120	180
EDTE 312	Foundations and Curriculum Development	3	30	15	90	135
EDAD 324	Foundations of School Administration	3	30	15	90	135
EDAD 213	Entrepreneurship and Project Management	3	30	15	90	135
EDTE 323	Educational Research Methods	3	30	15	90	135
	Total	18	180	90	540	810

Issuance of A1 (Exit Award) on request

YEAR 2, SUMMER SEMESTER 3

Code	Course	Credits	Theory	Practice	SDL	Total
INSY 324	Java Programming	4	40	20	120	180
INSY 323	Object Oriented Programming with C++	5	45	30	150	225
	Total	9	90	45	270	405

YEAR 3, SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
EDAD 322	Sociology of Education	2	20	10	60	90
EDAD 312	Economics of Education	2	20	10	60	90
EDAD 313	Comparative Education	2	20	10	60	90
EDAD 314	Educational Planning	2	20	10	60	90
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
ACCT 222	Principles of Accounting II	3	30	15	90	135
SMTI 313	Special Methodology of Teaching IT	2	20	10	60	90
ACCT 215	Intermediate Accounting I	3	30	15	90	135
	Total	18	180	90	540	810

YEAR 3, SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
INSY 311	Computer Networks	4	40	20	120	180
INSY 329	Operating Systems	4	40	20	120	180
ACCT 224	Intermediate Accounting II	3	30	15	90	135
INSY 212	Database Management Systems	3	30	15	90	135
MGTM 221	Principles of Management	3	30	15	90	135
	Total	17	270	85	510	765

YEAR 3, SUMMER SEMESTER 3

Code	Course	Credits	Theory	Practice	SDL	Total
ACCT 313	Cost Accounting	3	30	15	90	135
EDTE 327	Teaching Practice	4	40	20	120	180
EDRE 321	Research Project (Memoire)	6	60	30	180	270
	Total	13	130	65	390	585

8.7. GEOGRAPHY MAJOR

General Education Courses:	32 cr
Major Courses:	46 cr
Core Courses:	44 cr
<u>Minor Courses:</u>	<u>15 cr</u>
Total:	137 cr

GEOG 117 General Introduction to Geography

2 credits

The course focuses on the concepts and approaches used in geography, the importance of teaching geography and its intervention in understanding our environment and other sciences. This meaning, concepts, origins and evolution of geography. Different schools of geography, current trends of geography; main branches of geography, the purpose of teaching geography and its role in society; interaction between man and environment (determinism, possibilism and their criticisms); relationship between geography and other sciences; importance of quantification in geography.

GEOG 118 Geography of Rwanda

3 credits

This course targets to study physical features, human and economic aspects of Rwanda. The contents of this course comprise the following aspects; physical features of Rwanda: rocks, formation of landforms, topography, climate, soil, vegetation and drainage; human and economic aspects of Rwanda: population, settlement, agriculture, livestock, fishing, forestry, mining, industrialization, commerce and trade, energy and power, regional and international integration, hindrances and prospects for development of Rwanda. N.B: This course is composed by two theoretical credits and one practical credit. Practical activities: reading and interpreting various maps of Rwanda; identification of various physical features of Rwanda in the field; visit of various economic activities and discussing their roles in development of the country; report of field trips.

GEOG 217 Climatology I**2 credits**

This course aims to help the students to understand earth movement and their consequences, atmosphere, the factors and elements of climate. The contents of this course comprise the following aspects: Generalities of climatology. Earth's movements and their consequences: rotation, revolution and their consequences. Atmosphere (meaning, structure, composition and importance). Climatic/weather elements (precipitation, temperature, atmospheric humidity, atmospheric pressure, wind speed and direction, cloud cover, solar radiation). Factors of climate/weather (latitudes, altitudes, presence or absence of water bodies, ocean currents, wind circulation, vegetation, exposition, dissection of topography, etc). This course is composed by two theoretical credits and one practical credit. Practical activities comprise calculation of local and international time; drawing the main layers of atmosphere by showing the change of temperature with altitude; field trip to international airport in meteorological centre to see how climatic data are collected and analyzed; preparation of climatic charts and diagrams; field trip report.

GEOG 216 Soil Science**2 credits**

This course targets to cover the processes of soil formation, types, properties, location and erosion of soils. The course will also look at the generalities of soil sciences (basic concepts), soil genetic factors and processes, soil composition and properties; types, classification and taxonomy of soils; localization of main types of soils in world; soil erosion (types, causes and effects); soil conservation measures; economic importance of soils.

GEOG 218 Geology**2 credits**

The course focuses on Earth and Universe, classification and characteristics of main materials of the earth crust. The contents of this course comprise the following aspects: universe (meaning, components constellations and galaxies), solar system (meaning, characteristics of the components of solar system: sun, planets and satellites, asteroids, comets, meteoroids, meteorites). Understanding the earth (theories about the origin, shape, size, diameter, circumference, volume, mass and gravity of the earth). Composition of matter, its gravitation and magnetic fields, seismology and deep structure of the earth, heat flow, methods of geophysical exploration. The geophysical basis of plate tectonic and sea floor spreading, rocks (rocks types and their characteristics, rocks' composition, economic importance of rocks), mineralogy (types of minerals, their chemical and physical properties). Petrography and Stratigraphy.

GEOG 231 Research Methods in Geography**2 credits**

This course is targeting to equip the students with techniques and methods of data collection, analysis and interpretation. The contents of this course will include the following aspects: Meaning and importance of data collection; methods and techniques of data collection; field work: meaning, advantages and disadvantages, procedures; methods and techniques of data analysis and interpretation; components and characteristics of scientific reports/research; N.B: This course should be composed by one theoretical credit and one practical credit. Practical activities: Preparation and presentation of scientific report or/and research.

GEOG 225 Economic Geography**2 credits**

This course aims to treat the following topics: sectors of activities (primary, secondary and tertiary) and economic theories and systems. The content of this course comprises the following units: generalities on economic geography; different economic theories, models and systems). Natural resources and their distribution (for examples: water, mineral, energy, forest, biotic, marine resources). Different sectors of activities (primary of activities: agriculture, Livestock, mining, forestry and fishing, secondary sector of activities: Industrialization and arcraft and tertiary sectors of activities: goods consumption and services and their spatial dimensions trade, commerce and services). Regional economic disparities (development and underdevelopment). **N.B:** It is composed by theoretical part only.

SMTG 229 Special Methodology of Teaching Geography**2 credits**

This course aims at helping the students to use appropriate techniques and methods in learning-teaching a lesson of geography. Basic concepts of teaching methods in geography. Goals, aims and objectives of teaching and learning geography. Geography curriculum and syllabus design and development. Making scheme of working and lesson plan. Teaching methods and strategies used in geography. Teaching resources in geography. Evaluation in geography. N.B: This course is composed by one theoretical credit and one practical credit. Practical activities: preparation and delivery of geography lesson.

GEOG 226 Structural Geomorphology**2 credits**

This course aims to study the formations associated with external processes, costal landforms and landforms resulting from human activities. The contents of this course comprises the following aspects: external geodynamic: Main forms of deterioration (mechanical, chemical and biological); processes of formation of landforms; depositions in limestone regions and associated landforms (karsts landforms), conditions for formation of karst landforms, importance of karst landforms to man; depositions and landforms in different climatic regions: Humid tropical regions, arid, cold regions; coastal landforms: action, types and causes of waves, factors influencing the formation of coastal landforms, types of coastal landforms, coral reefs, economic importance of coastal landforms and features; landforms resulting from human activities; fluvial landforms. This course is composed by two theoretical credits and one practical credit. Practical

activities: Identification of different types of landforms and depositions by help of charts and maps. Identification of different types of landforms and depositions in the field, and report of field trip.

GEOG 217 Climatology II

2 credits

This course aims to give to the learner enough knowledge of general atmospheric circulation, classification of climate as well as the climate change. The content of this course comprises the following aspects: general atmospheric circulation (planetary, seasonal and local circulation, El-Nino and La Nina events, Jet stream). Air masses (meaning and development concepts, characteristics, sources, and classification). Front and frontogenesis. Classification of climate (spatial scales for climatic region, approaches to climatic classification, Thornthwaite, Koppen classification, Oliver-Hodore, Trewartha classification). Global warming and its consequences. Climate change (causes, consequences, mitigation and adaptation measures). Weather forecasting (meaning and importance, procedures and tools, methods, types of weather forecasting). N.B: This course is composed by one theoretical credit and one practical credit. Practical activities: Calculation of climatic data to determine the type of climate according to Koppen and Thornthwaite classification. - Calculation of central and dispersion parameters of rainfall and temperature to detect climatic change. Exercises on weather forecasting. Field trip at international airport of Rwanda in meteorological centre—Field trip report.

GEOG 215 Dynamic Geomorphology

2 credits

The course aims to give to the student enough knowledge of internal and external geodynamics.

The contents of this course comprise the following aspects: Internal geodynamic: internal structure and composition of the earth, theories of formation and distribution of continents, theory of continental drift and their evidences, theory of plate tectonics and their effects, orogenesis. Landforms associated with internal processes: warping (meaning, features formed by warping, influence of warping on drainage and human activities, impact of warping to landscape, distribution of landform associated with warping), folding (meaning, features formed by folding, impacts of folding on drainage and landscape, distribution of folding world ward). Vulcanicity and volcanicity (meaning, types of volcanoes, materials of volcanism, volcanic features, effects of volcanic eruption, world distribution of volcanoes).

Earthquakes (meaning of basic concepts, causes and consequences, measurement, world distribution and precaution measures to be taken). Weathering (chemical, physical and biological). This course is composed by two theoretical credits and one practical credit. Practical activities: Identification of folding and faulting in the field. Differentiate the mountain from volcano. Differentiate the effects of earthquake from erosional effects in the field. Field trip report should be given by students.

GEOG 218 Environmental Geography**2 credits**

This course aims to learn biogeography, ecology and environment. The contents of this course will include the following aspects: principals and concepts of environment; man-environment relationships; study of biomes; environment degradation (meaning and nature of environmental degradation, causes, impacts on human being); environmental pollution: water, air, land and noises pollutions (meaning, causes, types, effects and measures to be taken); extreme environmental events, hazards and disasters; environment conservation and tourism; environmental impact assessment; global environmental issues; environmental challenges in Rwanda. N.B: A part from a field trip, this course is composed by theoretical part.

GEOG 326 Geography of Africa**3 credits**

This course is aiming to help the students to understand physical features, human and economic geography of Africa. The contents of this course comprise the following aspects: Physical presentation of Africa: rocks, formation of landforms, topography, climate, soil, vegetation and drainage. Human and economic characteristics of Africa: population, settlement, agriculture, livestock, fishing, forestry, mining, industrialization, commerce and trade, energy and power, regional and international integration, hindrances and prospects for development of Africa. **N.B:** A part from the analysis of different map, this course is composed by theoretical part.

GEOG 327 Statistical Methods in Geography**2 credits**

This course is targeting to give to the learner enough knowledge of descriptive and probability techniques and methods applied to geography. The contents of this course will include the following aspects: Introduction to statistics in geography (meaning, importance of statistical geography). Methods and techniques of data collection. Theories and techniques of sampling. Central parameters such as: mean, median, mode and dispersion parameters like standard deviation, coefficient of variation. Statistical graphs: Line, curve and bar graphs. Statistical charts and diagrams: Divided circles, divided rectangles, repeated symbols. Data analysis, treatment (using Window Excel and SPSS software) and interpretation. Regression and correlation. Combination analysis and probability. Estimation; significance tests. This course is composed by two theoretical credits and one practical credit. Practical activities: Statistical calculation; construction of statistical line and bar graphs, statistical charts and diagrams

GEOG 315 Hydrology**2 credits**

The course aims to study the rivers, lakes, seas, oceans and determination of the hydrological balance. The contents of the module will consist of the points described below: Rivers: characteristics, components, drainage patterns and economic importance of a river; lakes: types of lakes, mode of formation and importance of lakes; seas and oceans: distribution, composition, relief of ocean floors, movements of ocean water; components of the hydrological balance; Methods and techniques of the hydrological balance calculation; N.B: This module is composed by two theoretical credits and one practical credit. Practical activities: Calculation of hydrological balance of Rwanda.

GEOG 317 Study of Urban and Rural Areas**2 credits**

This course is targeting to study urban and rural spaces. This course will be focusing on the following topics: Urban areas: Evolution of urban centres, factors of urbanization, major problems of urban centres and their solution; internal structure of cities, economic activities and relationship between urban and rural areas; Rural areas: types of rural settlement, characteristics, factors, advantages and disadvantages of rural settlements, problems affecting rural settlements, government policy towards rural settlement; Case studies of some rural and urban areas of developed and developing countries.

GEOG 228 Population Geography**2 credits**

This course aims to deal with population distribution, composition and structure, movement, growth, theories and policies. The contents of this course comprise the following aspects: Basic concepts of population and sources of population data. Spatial distribution and the factors on the basis of such distribution. Human diversities (race, religion, languages, states). Structure and composition of population and their socioeconomic consequences. Population movement (fertility, mortality and migration). Interaction between population – resources-development. Population theories (for example: demographic transition, Malthus theories, etc). Population. Policies (examples of the population policies and developed and developing countries). Case studies of population in developing and developed countries. This module is composed by theoretical part only.

GEOG 324 Regional Planning**2 credits**

This course aims at helping the students to understand different theories, models, principles and practices of planning for sustainable development. The contents of this course will focus on the following topics: theories of the development; theories, models and approaches of planning at different spatial scales; regional planning for sustainable development (industrialization, housing, tourism, transport and communication, energy; indicators of the development, obstacles to the development and their solutions; case studies of regional planning in developed and developing countries. **N.B:** This course is theoretical only

GEOG 328 Cartography**2 credits**

This course aims at giving to the students the capacity of map reading, making and interpretation. The contents of this course will include the following aspects: Cartography: mathematical, semi logical and graphic processes of the representation of the earth; remote sensing: aerial photographs and their interpretation; basic principles and applications of GIS; making different types of maps by using for example Arc View, MapInfo software. N.B: This course is composed by two theoretical credits and one practical credit. Practical activities: reading physical, human and economic features on a map and interpret them and making a map manually or/and by using appropriate software like Arc View, MapInfo.

EDRE 321 Research Project**6 credits**

This course deals with a research problem that a student develops while taking classes at AUCA. The problem is approved by the Faculty of Education. After approval, the student writes the introduction, reviews the literature related to the topic, writes the methodology in which the student shows how the data will be collected, collects the data, analyzes and interprets results and then gives appropriate conclusions and recommendations. This course is taken towards the end of the study.

HISTORY MINOR**HIST 225 Panorama of History I****3 credits**

This course familiarizes the student with the facts of medieval and modern history. It looks very briefly at Moslem civilization in the intellectual, artistic, economic and political domains to the modern times. The students will understand the influence of these periods on the contemporary societies. The contents of the course includes: problem of chronology; characteristics of the main parts of the Middle Ages; Early Middle Ages -break down of Roman Empire, church and monasticism, Carolingian Empire; high Middle Ages –Feudalism, The Worlds of Christendom and Islam (Crusades), Town life revived; later Middle Ages –State Resurgence, Hundred Years' War, Controversy within the Church; art, science and birth of universities; the contribution of Byzantine Civilization and the Formation of Russia; terminology and usage of modern; the Renaissance; the Reformation and Counter Reformation; the birth of modern states; the Age of Discovery; rise of capitalism; printing press; English civil war; reason and enlightenment; American wars and Revolution; the French Revolution.

HIST 217 History of Rwanda**3 credits**

This course helps students to understand better the current situation of Rwanda and in its regional and international environment. It enlightens its evolution during the colonial period and the effects of European presence on Rwandan society. It analyzes also the main challenges of Rwanda during the post-colonial period on a historical perspective. Exploration of Rwanda and its consequences; Reactions to European contact and presence; German colonial period; First World War; Belgian colonization (military occupation, mandate, Morthan reforms and their effects, enthronement of Mutara III Rudahigwa), socio-economic changes (fight against famines, Union with Belgian Congo, recruitment of manpower for Belgian Congo, imposed labor, agriculture, farming, tree planting, creation of modern roads and trade centres, mining industries, the monetary circulation, introduction of new taxes), the consequences of the Second World War (way to independence), violence of 1950s and socio-political changes; The socio-economic and political role of different Churches; Independence of Rwanda; First and second republics; Brief description of Genocide perpetrated against Tutsi; Efforts of reconstruction (1994-2003).

HIST 327 History of Education in Rwanda**3 credits**

The History of Education in Rwanda helps the students to understand the historical evolution of formal education in Rwanda, different educational reforms and their objectives and impact on Rwandan society from the colonial period up to now. The contents of the course includes the following: Traditional education; Philosophy/Ideologies of education from pre-colonial period up to now; Role of Churches and colonial administration; Imported programmes: transfer of North-African programmes, influence of Jesse Jones report on education in Belgian Congo and in Ruanda-Urundi and institution of Afro-American system; Image and role of educated people; Importance of educating women; Use of Afro-American system; Reform of 1948 and its implications; Towards adoption of metropolitan programmes, main reforms after independence (1960-1964, 1978, etc), policy of quotas in education, late introduction of Tertiary education, main changes after 1994.

HIST 328 Comparative History of Genocides**3 credits**

The teaching of genocides helps students move from thought to judgment to participation as they confront the moral questions inherent in a study of violence, racism, anti-Semitism and bigotry. It reveals the universal connections of history through a rigorous examination of a particular history. It seeks to further a commitment to adolescents as the moral philosophers of our society and help them build a “civil society” through an understanding that turning neighbor against neighbor leads to violence (FHAO). The students have to learn this course without prejudices, but with objectivity and critical thinking. The course describes the definitions of key concepts (crime against humanity, massacres, holocaust, shoah, genocide, memory, denial/negation, revisionism); some massacres from Ancient Times (Peloponnesian War, Mongols, massacres of Indians in America, Christianity and its expansion in the world, Wars of Chaka, colonial expansion, Vendee, repressions in China (Taiping, Tibet), Herero, partition of India and its aftermath, massacres of communists in Indonesia, Sudan, Indian of Paraguay (Ache), Kurdish case, etc.; Identity and the society; Race and science; Stereotyping/hatred propaganda; Obeying orders/accomplices; Bystanders; Genocides of

the 20th century (Armenian, Jewish, Genocide perpetrated against Tutsi): causes, phases and consequences; The role of international community and the right of interference/intervention; Prevention of genocide (the principle of tolerance, education and memory, memorials, acknowledging the past, education and the future, role of models in a democracy, social justice, etc.).

HIST 326 History of Religions

3 credits

This course aims at giving to the students, knowledge on the history of the religions of the Middle-East (Judaism, Christianity and Islam), East-Asiatic Religions (Hinduism, Buddhism, Taoism and Shinto) and African traditional religions. A particular attention will be paid to the role of these religions in Africa; Origin or Phenomenology of Religion; Evolution and expansion of Eastern Asia religions: Hinduism, Buddhism, Confucianism, Taoism and Shinto; Birth and Expansion of religions of the Book: Judaism, Christianity and Islam; Conflicts between different religions; Evolution of mysticism; Traditional religions in Africa; Syncretism and the contemporary world; Development of new religions and its impact on the society.

8.7.1. Education with Geography - 4 Years Full Time Programme

YEAR ONE SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 114	English Grammar	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
GEOG 117	General Introduction to Geography	2	20	10	60	90
EDAD 116	Philosophy of Education	2	20	10	60	90
INSY 1116	Micro Computer Application	3	30	15	90	90
GEOG 118	Geography of Rwanda	3	30	15	90	135
	Total	18	180	90	540	810

YEAR ONE SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 222	Instructional Technology	2	20	10	60	90
HELT 213	Health Principles	2	20	10	60	90
ENGL 122	English Writing Skills	3	30	15	90	135
EDPC 124	Educational Psychology	2	20	10	60	90
GEOG 218	Geography of Africa	3	30	15	90	135
RELT 123	Bible Doctrines	3	30	15	90	135
STAT 121	Descriptive Statistics	3	30	15	90	135
	Total	18	180	90	540	810

YEAR TWO SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 219	English Speaking Skills	3	30	15	90	135
GEOG 216	Soil Science	2	20	10	60	90
EDTE 223	Introduction of the Teaching Professional	2	20	10	60	90
EDTE 311	Classroom Test, Measurement and Evaluation	2	20	10	60	90

EDTE 224	Principles of Teaching	2	20	10	60	90
EDAD 325	Pedagogy and History of Education	2	20	10	60	90
GEOG 215	Dynamic Geomorphology	2	20	10	60	90
EDPC 215	Human Developmental Psychology	3	30	15	90	135
	Total	18	180	90	540	810

YEAR TWO SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
GEOG 225	Economic Geography	2	20	10	60	90
EDTE 312	Foundations and Curriculum Development	3	30	15	90	135
EDAD 313	Entrepreneurship & Project Management	3	30	15	90	135
GEOG 217	Climatology I	2	20	10	60	90
GEOG 228	Population Geography	2	20	10	60	90
ENGL 227	English Phonology	3	30	15	45	135
EDTE 323	Educational Research Methods	3	30	15	90	135
	Total	18	180	90	540	810

Issuance of A1 (Exit Award) on request

YEAR THREE SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
EDAD 324	Foundations of School Administration	3	30	15	45	135
HIST 217	History of Rwanda	3	30	15	90	135
GEOG 231	Research Methods in Geography	2	20	10	60	90
EDAD 322	Sociology of Education	2	20	10	60	90
HIST 225	Panorama of History	3	30	15	90	135
GEOG 229	Special Methodology in Teaching Geography	2	20	10	60	90
STAT 215	Inferential Statistics in Education	3	30	15	90	135
	Total	18	180	90	540	810

YEAR THREE SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
GEOG 314	Hydrology	2	20	10	60	90
HIST 327	History of Education in Rwanda	3	30	15	90	135
EDAD 412	Economics of Education	2	20	10	60	90
GEOG 318	Cartography	2	20	10	60	90
EDAD 413	Comparative Education	2	20	10	60	90

GEOG 226	Structural Geomorphology	2	20	10	60	90
HIST 326	History of Religions	3	30	15	90	135
GEOG 214	Climatology II	2	20	10	60	90
		18	180	90	540	810

YEAR FOUR SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
GEOG 324	Regional Planning	2	20	10	60	90
GEOG 328	Cartography	2	20	10	60	90
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
GEOG 316	Environmental Geography	2	20	10	60	90
GEOG 327	Statistical Methods in Geography	2	20	10	60	90
EDAD 311	Educational Planning	2	20	10	60	90
GEOG 317	Study of Urban and Rural Areas	2	20	10	60	90
HIST 328	Comparative History of Genocides	3	30	15	90	135
	Total	17	170	85	560	865

YEAR FPOUR SEMESTER 2

Code	Course Name	Credits	Theory	Practice	SDL	Total
EDTE 327	Teaching Practice	4	40	20	120	180
EDRE 321	Research Project	6	60	30	180	270
	Total	10	100	50	300	450

8.7.2. Education with Geography - 3 Years with Summer Full Time Programme

YEAR ONE SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 114	English Grammar	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
BIOL 117	Anatomy and Physiology of Nervous System	3	30	15	90	135
EDRM 113	Study and Research Methods	2	20	10	60	90
EDAD 116	Philosophy of Education	2	20	10	60	90
INSY 1116	Micro Computer Application	3	30	15	90	90
	Total	18	180	90	540	810

YEAR ONE SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
BIOL 126	Genetics	3	30	15	90	135
HELT 213	Health Principles	2	20	10	60	90

ENGL 128	English Writing Skills	3	30	15	90	135
EDPC 124	Educational Psychology	3	30	15	90	135
RELT 123	Bible Doctrines	3	30	15	90	135
STAT 122	Descriptive Statistics	3	30	15	90	135
	Total	18	180	90	540	810

YEAR ONE SUMMER SEMESTER

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 219	English Speaking Skills	3	30	15	90	135
EDPC 215	Human Developmental Psychology	3	30	15	90	135
EDPC 125	Detailed Study of Developmental Psychology	3	30	15	90	135
	Total	9	90	45	270	405

YEAR TWO SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 227	English Phonology	3	30	15	45	135
EDTE 222	Instructional Technology	2	20	10	60	90
EDTE 223	Introduction of the Teaching Professional	2	20	10	60	90
EDTE 311	Classroom Test, Measurement and Evaluation	2	20	10	60	90

EDTE 224	Principles of Teaching	2	20	10	60	90
EDAD 325	Pedagogy and History of Education	2	20	10	60	90
FREN 325	Introduction to Psycholinguistics	2	20	10	60	90
STAT 215	Inferential Statistics in Education	3	30	15	45	135
	Total	18	180	90	450	810

YEAR TWO SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
EDPC 212	Great Trend in History of Psychology	3	30	15	90	135
EDTE 316	Introduction to Abnormal Psychology	3	30	15	90	135
EDAD 213	Entrepreneurship & Project Management	3	30	15	90	135
EDUC 327	Foundations of Early Childhood Education	3	30	15	90	135
SOPC 214	Social Psychology	3	30	15	90	135
EDTE 323	Educational Research Methods	3	30	15	90	135
	Total	18	180	90	540	810

Issuance of A1 (Exit Award) on request

YEAR TWO SUMMER SEMESTER

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 314	Methods of Teaching Primary Schools	3	30	15	90	135
EDTE 312	Foundations and Curriculum Development	3	30	15	90	135
SMTC 317	Special Methodology of Teaching TTC	3	30	15	90	135
	Total	9	90	45	270	405

YEAR THREE SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
EDAD 322	Sociology of Education	2	20	10	60	90
EDAD 212	Economics of Education	2	20	10	60	90
EDAD 313	Comparative Education	2	20	10	60	90
GEOG 217	General Introduction to Geography	2	20	10	60	90
EDTE 326	Psychometric Methods	3	30	15	45	135
EDTE 324	Education of the Exceptional People	3	30	15	45	135
EDAD 324	Foundations of School Administration	3	30	15	45	135
GEOG 318	Cartography	2	20	10	60	90
	Total	19	190	95	435	855

YEAR THREE SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
EDPC 327	Foundations of Guidance and Counseling	3	30	15	45	135
EDAD 311	Educational Planning	2	20	10	60	90
GEOG 317	Geography of Rwanda	3	30	15	45	90
GEOG 227	Climatology I	2	20	10	60	90
GEOG 314	Hydrology	2	20	10	60	90
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
GEOG 226	Soil Science	2	20	10	60	90
GEOG 225	Dynamic Geomorphology	2	20	10	60	90
	Total	18	180	90	540	810

YEAR THREE SUMMER SEMESTER

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 317	School Orientation	2	20	10	60	90
EDTE 327	Teaching Practice	4	40	20	120	180
EDRE 321	Research Project (Memoire)	6	60	30	180	270
	Total	12	60	120	180	675

8.8. MATHEMATICS MAJOR

General Education Courses:	32 cr
Major Courses:	48 cr
Core Courses:	44 cr
<u>Minor Courses:</u>	<u>15 cr</u>
Total:	139 cr

MATH 127 Calculus I

3 credits

This course intends to introduce to the students on the complete theoretical study of real valued functions of one variable; focusing on limits, continuity, differentiation, integral calculus and infinite sequences and series. It covers the following topics: Introduction to topology of the real line numbers (closed and open sets in \mathbb{R}). Generalities on real valued functions, limit and continuity, Intermediate Value Theorem, Derivative: the interchange of differentiation and arithmetic operations, the chain rule, one-sided derivatives, extreme values of a differentiable function, Rolle's theorem, the intermediate value theorem for derivatives, and the Mean Value Theorems and its consequences, hospital's rule and its applications, Taylor's theorem. Definition of definite integral, the Mean Value Theorem for definite integrals, fundamental theorem of calculus, indefinite integrals, definite integrals, improper integrals and application of integrals. Riemann integrals; bounded functions, upper and lower sums and upper and lower integrals of bounded functions, Riemann-Stieltjes integral.

MATH 217 Calculus II

3 credits

This course covers the following: Calculus in several variables, Vector and scalar functions and field, derivative of a vector function, curves, tangents and arc length, gradient of a scalar field, directional derivative, divergence of a vector field, curl of a vector field, line integrals, change of variable in double integrals (Jacobian), Green's Theorem in the plane, surface integrals, Divergence Theorem, Stokes's Theorem.

MATH 226 Ordinary Differential Equations**2 credits**

The course equips the student with the most important standard methods for solving such kind of equations and apply them to the different branches of sciences, especially in case of mathematical modeling. It covers topics such as first-order differential equation, linear differential equations of second and higher order and systems of differential equations. It covers: basic concepts and ideas of an ordinary differential equation, the condition of existence and uniqueness of the ODE's solution. Kind of first order differential equations and initial value problems: separable differential, exact differential equations; equations integrating factor, Bernoulli equation, applications of the first order ordinary differential equation to electric circuits. Kind of linear differential equations of second order and higher order: superposition or linearity principle, second order homogeneous equations with constant coefficients and its applications to free oscillations, differential operators, Euler-Cauchy equation, existence and uniqueness theory; Wronskian. Nonhomogeneous equations, methods of undetermined coefficients and variation of parameters. Homogeneous and nonhomogeneous higher order linear differential equations. Systems of differential equations, phase plane and qualitative methods.

MATH 227 Mathematical Methods**3 credits**

This course introduces the student to the Integral Transforms and Integral Equations and their applications. The following is the course contents: Laplace Transform: Concept of transforms, definition of Laplace Transform, properties of Laplace Transform, methods for finding Laplace Transform, Evaluation of Integrals, special functions, Inverse Laplace Transform. Application of Laplace Transform for solving integration of ordinary differential equations and partial differential equations; Fourier Transform: Fourier series, Fourier series of an even periodic function, even and odd functions: half-range expansion. Complex Fourier series. Fourier Integrals, Fourier cosine and sine transforms, complex form of Fourier integral and applications of Fourier transforms; Integral equation: Introduction to the integral equation, Volterra and Fredholm integral equations, differentiation of a function under integral sing, relation between differential and integral equations, solution of non-homogeneous Volterra's integral equation of second kind by the method of successive substitution and by the method of successive approximation. Application of Laplace Transform to Volterra integral equation.

SMTM 316 Special Methodology of Teaching Mathematics**2 credits**

This course deals with methods of teaching mathematics in the secondary schools. Concepts such as teaching strategies, teaching and learning materials (use of charts, images, life experiences, etc) are discussed. Under the leadership of the main teacher in this course, students are expected to design a lesson plan of Mathematics and all the teaching and learning materials that illustrate the lesson. Micro teachings or onsite teaching could be organized by the teacher.

MATH 225 Probability and Statistics**3 credits**

The course covers the fundamental tools and features for descriptive statistics and inferential statistics including meaning and role of these both two branches of statistics. It covers the following topics: Data gathering, organization and presentation of data, measures of central tendency and measures of variability; probability and random variables, normal distribution, sampling and sampling distribution; confidence intervals and hypothesis testing; analysis of variance, theory and the computation of ANOVA.

MATH 316 Linear Algebra**3 credits**

This course introduces the student to some basic knowledge needed to study abstract algebra and cover the following topics: Introduction to algebraic structures, Vector spaces, matrices, and linear transformations. Systems of linear equations. Inner product and vector product. Eigenvalues, eigenvectors, and diagonalization of matrices.

MATH 315 Real Analysis**2 credits**

This course introduces the student to the calculus on Euclidean space and frame fields: Euclidean space, natural coordinate functions, tangent vectors, directional derivatives, curves in E^3 , 1-forms, differential forms and mappings. Dot product, curves, speed of a curve, reparameterization of a curve, vector field on a curve, tangent vector field, normal vector field and binomial vector field. Curvature and torsion of a curve. The Frenet formulas, arbitrary speed curves, covariant derivatives, frame fields and connection forms.

MATH 318 Analytical Geometry**3 credits**

A course in Analytic Geometry covers such topics as fundamental concepts of Euclidean geometry, the line with plane and space coordinate system, different types of equations of lines, properties and tracing of algebraic curves, different forms of the equations of the circle, in different conic sections and their applications, transformation of coordinates system and space coordinates system and surfaces.

MATH 319 Numerical Analysis**3 credits**

The objective of this course is to provide to the student a broad coverage of various numerical techniques using compiler C. It covers the following: Methods of solving algebraic and transcendental equations; bisection, regula-falsi, general iteration, Newton-Raphson, Bairstow, system of non-linear equations.

System of linear equations and matrix: Gaussian elimination, Gauss-Jordan elimination, Crout's Reduction, Jacob and Gauss-Seidel iteration methods. Numerical analysis for ordinary differential equations: Euler's method. The improved and modified Euler's method. Runge-Kutta method. Milnes method.

MATH 325 General Topology

3 credits

This course introduces the student to the purely theory of general topology and contains the following topics: Topology of real line: intervals, neighborhood of a point, open sets, interior point, exterior, frontier and boundary points of a set, adherent point and limit point of a set, closed sets, closure of a set, compact subset of \mathbb{R} , cover and subcover, sequences. Definition of a metric, Bolzano – Weierstrass theorem, open and closed balls. Cauchy and convergent sequences. Topological space, relative topology, bases and sub-bases, continuity and homomorphism.

MATH 324 Functional Analysis

3 credits

Definition of linear space and some of the examples of linear spaces, linear subspaces, algebra of subspaces, linear combination of vectors, linear sum of two subspaces, direct sum of spaces, quotient space, linear dependence and linear independence of vectors, Hamel basis of a linear space, dimension of a linear space, isomorphism of linear spaces, linear transformations, linear functional, reflexivity, projection. Normed linear spaces, Banach spaces, Holder's and Minkowski's inequalities, subspaces and quotient spaces of Banach spaces. Inner product spaces, Hilbert spaces, properties of Hilbert spaces, orthogonal complements, orthonormal sets, conjugates spaces, adjoint of an operator, normal and unitary operators.

MATH 321 Partial Differential Equations

3 credits

This course introduces to the students: First order equations and characteristics. Classifications of general second order quasi-linear equations and reduction to standard form for each type (elliptic, parabolic and hyperbolic). Finite difference solution to parabolic and elliptic equations. Stability and convergence for solution to finite difference equations.

MATH 327 Complex Analysis

3 credits

This course introduces the student to the complex numbers and complex function and their applications in different disciplines of sciences, it contains the following topics: complex numbers and complex plane, polar form of complex numbers, powers and roots. Series, uniform convergence, power series, analytic function, representation of analytic functions. Taylor's series and Laurent's series, Cauchy integral formula, Cauchy theorems. Zeros of analytic functions. Meromorphic functions, Residue theorem, evaluation of definite integrals. The argument principle and Rouché's theorem.

MATH 328 Abstract Algebra**3 credits**

This course comprises the following topics: an introductory to the elementary algebra structures, Cosets and Normal Subgroups, Index of a group, Normalizer of a subgroup of a group and its properties. Homomorphisms, Natural homomorphisms, Kernel and image of a homomorphism of groups, Isomorphism theorems. Automorphisms and inner automorphisms, symmetric group and permutation group, Cayley's theorem. Conjugate, normalize and conjugacy class of an element in a group, class equation of a finite group and its applications. Cauchy's theorem, Sylow theorems for a finite group and their applications.

EDRE 321 Research Project (Memoire)**6 credits**

This course deals with a research problem that a student develops while taking classes at AUCA. The problem is approved by the Faculty of Education. After approval, the student writes the introduction, reviews the literature related to the topic, writes the methodology in which the student shows how the data will be collected, collects the data, analyzes and interprets results and then gives appropriate conclusions and recommendations. This course is taken towards the end of the study.

ECONOMICS MINOR**ECON 313 Macroeconomics****3 credits**

The course will concentrate on a general understanding of basic macro-economic concepts. Specifically, it acquaints the beginning student with an appreciation of the functions of economic systems, including various approaches to the organization of production and allocation of resources, and of policies to achieve national economic goals. These include the determination of national income, inflation, recession, unemployment, taxation, labor unions, environmental pollution, energy and economic growth. National Income: National Income Accounts, Consumption, Savings and investment Money and Banking, inflation, Unemployment, Money, Financial institutions and Banking and the concept inflation. Macro-Economics analysis in Market economic: Classical model: Monetary theory: Keynesian model; Consumption and saving theories; Money theories; theory of Inflation; Theory of International Economic Interdependence-Internal/External equilibrium-theory of unequal exchange; Growth theory and balance of payments.

ECON 314 Statistics for Economists**3 credits**

This module prepares students to describe, gather and analyze business data, and to use statistical tools to make. This unit aims to introduce students to statistical concepts, tools and procedures involved in the collection, presentation, analysis and interpretation of numerical data using basic statistical techniques so as to enable them make effective business decisions in varying business situations.

Graphical and numerical methods of description statistics, frequency distribution, graphing techniques, measures of central tendency and probability and probability distributions are dealt with. Data collection; sampling in theory and practice: sampling concepts, estimating means and percentages and hypothesis testing. Other aspects of the course include probability theory, probability and probability distributions, probability and probability distributions, properties of mathematical binominal, normal, uniform, possession, chi-square, and probability distributions, sampling and sampling distributions, point and interval estimation, confidence intervals and tests of hypotheses. Significance tests for means and differences in means. Ordinary least squares regression and analysis of variance. Dummy variables. Common regression problems.

ECON 225 Mathematical Economics**3 credits**

This course explores the principal mathematic techniques used in economic theory and modeling. Review of calculus and matrix methods. Static analysis of partial and general market equilibrium. Comparative static analysis using differential calculus, including unconstrained and constrained maximization techniques. The envelope theorem and its economic applications. The continuity and differentiability of a function. Derivatives and the rules of differentiation. First and second order differential equations. Implicit and Inverse function rules, constrained optimization, the Lagrange multiplier. Differentiation of exponential, logarithmic and power functions. Methods of integration.

ECON 328 Computer Skills for Economists**3 credits**

Computer applications (Word-processing/Spread sheets/Database management). Introduction to Data analysis software packages (e.g. SPSS, SHAZAM, CENTS, LINDEM, PCGIVE, SAS); Data coding, entry, organization and tabulation' graphical representation; statistical analysis and econometric analysis.

ECON 327 Economic Development, Planning and Policy**3 credits**

The courses focuses on the context, theory, theories, processes, and practice of local economic development planning and policy. Topics covered include: differing theoretical and conceptual explanation of planning; Types of plans; Problem of planning; Policy analysis. Monitoring and evaluation, the concepts Budgeting, The concept project management. Index Numbers, Theory of taxation, social capital mobilization and management, Forecasting, decision theory, etc.

8.8.1. Education with Mathematics – 4 Years Full Time Programme

YEAR ONE SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 114	English Grammar	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
MATH 117	Calculus I	3	30	15	90	135
EDRM 113	Study and Research Methods	2	20	10	60	90
EDAD 116	Philosophy of Education	2	20	10	60	90
INSY 1116	Micro Computer Application	3	30	15	90	90
	Total	18	180	90	540	810

YEAR ONE SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
MATH 217	Calculus II	3	30	15	90	135
HELT 213	Health Principles	2	20	10	60	90
ENGL 122	English Writing Skills	3	30	15	90	135

EDPC 124	Educational Psychology	2	20	10	60	90
EDTE 222	Instructional Technology	2	20	10	60	90
RELT 123	Bible Doctrines	3	30	15	90	135
STAT 121	Descriptive Statistics	3	30	15	90	135
	Total	18	180	90	540	810

YEAR TWO SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 219	English Speaking Skills	3	30	15	90	135
MATH 313	Linear Algebra	3	30	15	90	135
EDTE 223	Introduction of the Teaching Professional	2	20	10	60	90
EDTE 311	Classroom Test, Measurement and Evaluation	2	20	10	60	90
EDTE 224	Principles of Teaching	2	20	10	60	90
MATH 225	Probability and Statistics	3	30	15	90	135
EDPC 215	Human Developmental Psychology	3	30	15	90	135
	Total	18	180	90	540	810

YEAR TWO SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
EDAD 325	Pedagogy and History of Education	2	20	10	60	90
MATH 226	Ordinary Differential equations	2	20	10	60	90
EDAD 322	Sociology of Education	2	20	10	60	90
EDAD 313	Entrepreneurship & Project Management	3	30	15	90	135
MATH 314	Numerical Analysis	3	30	15	90	135
ENGL 227	English Phonology	3	30	15	45	135
EDTE 323	Educational Research Methods	3	30	15	90	135
	Total	18	180	90	540	810

Issuance of A1 (Exit Award) on request

YEAR THREE SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
MATH 315	Analytical Geometry	3	30	15	90	135
EDTE 312	Foundations and Curriculum Development	3	30	15	90	135
MATH 321	Partial Differential Equations	3	30	15	90	135

EDAD 324	Foundations of School Administration	3	30	15	45	135
ECON 327	Economic Development, Planning and Policy	3	30	15	90	135
STAT 215	Inferential Statistics in Education	3	30	15	90	135
	Total	18	180	90	540	810

YEAR THREE SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
ECON 225	Mathematical Economics	3	30	15	90	135
MATH 327	Complex Analysis	3	30	15	90	135
MATH 325	General Topology	3	30	15	90	135
MATH 318	Abstract Algebra	3	30	15	90	135
MATH 328	Mathematical Methods	3	30	15	90	135
ECON 328	Computer Skills for Economics	3	30	15	90	135
	Total	18	180	90	540	810

YEAR FOUR SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
SMTM 316	Special Methodology of Teaching Mathematics	2	20	10	60	90
EDAD 311	Educational Planning	2	20	10	60	90
MATH 317	Real Analysis	2	20	10	60	90
EDAD 413	Comparative Education	2	20	10	60	90
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
ECON 314	Statistics for Economics	3	30	15	90	135
MATH 322	Functional Analysis	3	30	15	90	135
EDAD 412	Economics of Education	2	20	10	60	90
	Total	18	180	90	540	810

YEAR FOUR SEMESTER 2

Code	Course Name	Credits	Theory	Practice	SDL	Total
ECON 313	Macroeconomics	3	30	15	90	135
EDTE 327	Teaching Practice	4	40	20	120	180
EDRE 321	Research Project (Memoire)	6	60	30	180	270
	Total	13	130	65	390	585

8.8.2. Education with Mathematics – 3 Years with Summer Full Time Programme

YEAR ONE SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 114	English Grammar	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
MATH 117	Calculus I	3	30	15	90	135
EDRM 113	Study and Research Methods	2	20	10	60	90
EDAD 116	Philosophy of Education	2	20	10	60	90
INSY 116	Micro Computer Application	3	30	15	90	135
	Total	18	180	90	540	810

YEAR ONE SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
MATH 217	Calculus II	3	30	15	90	135
EDTE 222	Instructional Technology	2	20	10	60	90

HELT 213	Health Principles	2	20	10	60	90
ENGL 122	English Writing Skills	3	30	15	90	135
EDPC 216	Educational Psychology	2	20	10	60	90
RELT 123	Bible Doctrines	3	30	15	90	135
STAT 121	Descriptive Statistics	3	30	15	90	135
	Total	18	180	90	540	810

YEAR ONE SUMMER SEMESTER

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 219	English Speaking Skills	3	30	15	90	135
EDPC 215	Human Developmental Psychology	3	30	15	90	135
MATH 225	Probability and Statistics	3	30	15	90	135
	Total	9	90	45	270	405

YEAR TWO SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 227	English Phonology	3	30	15	90	135

MATH 313	Linear Algebra	3	30	15	90	135
EDTE 223	Introduction of the Teaching Professional	2	20	10	60	90
EDTE 311	Classroom Test, Measure and Evaluation	2	20	10	60	90
EDTE 311	Principles of Teaching	2	20	10	60	90
MATH 314	Numerical Analysis	3	30	15	90	135
STAT 215	Inferential Statistics in Education	3	30	15	90	135
	Total	18	180	90	540	810

YEAR TWO SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
MATH 226	Ordinary Differential equations	2	20	10	60	90
MATH 315	Analytical Geometry	3	30	15	90	135
MATH 321	Partial Differential Equations	3	30	15	90	135
EDTE 312	Foundations and Curriculum Development	3	30	15	90	135
EDTE 323	Educational Research Methods	3	30	15	90	135
	Total	18	180	90	540	810

Issuance of A1 (Exit Award) on request

YEAR TWO SUMMER SEMESTER

Code	Course	Credits	Theory	Practice	SDL	Total
MATH 327	Complex Analysis	3	30	15	90	135
EDAD 213	Entrepreneurship & Project Management	3	30	15	90	135
MATH 325	General Topology	3	30	15	90	135
	Total	9	90	45	270	405

YEAR THREE SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
EDAD 322	Sociology of Education	2	20	10	60	90
EDAD 312	Economics of Education	2	20	10	60	90
EDAD 313	Comparative Education	2	20	10	60	90
MATH 317	Real Analysis	2	20	10	60	90
MATH 318	Abstract Algebra	3	30	15	90	135
MATH 328	Mathematical Methods	2	20	10	60	90

EDAD 324	Foundations of School Administration	3	30	15	90	135
	Total	16	160	80	480	720

YEAR THREE SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
SMTE 316	Special Methodology of Teaching Mathematics	2	20	10	60	90
EDAD 311	Educational Planning	2	20	10	60	90
MATH 322	Functional Analysis	3	30	15	90	135
ECON 225	Mathematical Economics	3	30	15	90	135
EDAD 325	Pedagogy and History of Education	2	20	10	60	90
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
EDTE 323	Educational Research Methods	3	30	15	90	135
ECON 313	Macroeconomics	3	30	15	90	135
	Total	18	180	90	540	810

YEAR THREE SUMMER SEMESTER

Code	Course	Credits	Theory	Practice	SDL	Total
ECON 314	Statistics for Economics	3	30	15	90	135

ECON 328	Computer Skills for Economics	3	30	15	90	135
ECON 327	Economic Development, Planning and Policy	3	30	15	90	135
EDTE 327	Teaching Practice	4	40	20	120	180
EDRE 321	Research Project (Memoire)	6	60	30	180	270
	Total	19	190	95	570	855

FACULTY OF INFORMATION TECHNOLOGY

9. FACULTY OF INFORMATION TECHNOLOGY (IT)

9.1. BACHELOR OF INFORMATION TECHNOLOGY

Majors/Concentrations		
Information Management	Networks & Communication Systems	Software Engineering

DEGREES OFFERED

Bachelor of Science in Information Management	Bachelor of Science in Networks & Communication Systems	Bachelor of Science in Software Engineering
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Philosophy

As today's business organizations increasingly depend on effective information systems, and as computers are being used increasingly in the operations, the IT department emphasizes the analysis and design of information systems in such organizations, and consider the possible gains to be made by using computers to support these activities. The faculty provides an environment suitable to produce skilled professional graduates with a sound understanding of the relevant disciplines of network technologies and communicating principles, software construction methods in the broad areas of Programming and systems analysis and design for both public and private sectors of industry and commerce. In all, the appreciation of the spiritual values needed as software developers Information Technology managers and Network Administrators are emphasized while considering ethical, security and privacy issues.

Vision

The faculty is committed to supporting and implementing the mission of the university in the provision and advancement of a wholistic Christian education for the youth with the aim of equipping them with the necessary skills to serve God and mankind better.

Mission

The Faculty of Information Technology envisions to become a leading centre of excellence in information management, network and communication systems and software engineering, and other IT related fields of study.

Objectives

The programme will train and equip students to:

1. Participate in the design of the different organization's information architecture
2. Use information systems to design competitive and efficient information communication technology systems
3. Manage the information communication technology resources in an organization
4. Understand hardware and software standards for the purpose of system procurement and management
5. Have a basis for future self-development as computers and computer usage evolve
6. Appreciate the spiritual values needed in the maintenance of information systems while considering security and privacy issues
7. Be able to participate in the information technology revolution

Career Opportunities

The students of this faculty are prepared to work with databases of different types and sizes. The person who completes this programme will be able to:

1. Understand and find solutions to the needs of management science
2. Manage staff and accounts/ Manage databases of different sizes
3. Administer the networks of different types

Core (Professional) courses in Information Management, Networks and Communication & Software Engineering. (NB: These core courses are also Part I) of the major in Information Management)

Course	Code	Course Title	Credits
MATH	111	Applied Mathematics	3
STAT	225	Probability and Statistics	3
INSY	212	Database Management Systems	3
INSY	117	Introduction to Information Mgt.	3
INSY	314	Database Development PL/SQL	4
INSY	223	Programming With C	4
INSY	214	Computer Maintenance	4
INSY	216	Introduction to Algorithms and Computer Programming	4
INSY	323	Object Oriented Programming in C + +	5
INSY	311	Data Structures	5
INSY	411	Computer Networks	4
INSY	324	Java Programming	4
INSY	413	Web Technologies and Internet	4
INSY	422	Internship (Industrial Attachment)	4
INSY	421	Research Project (Memoire)	6
INSY	322	Operating System	4
MATH	127	Digital Computer Fundamentals	4
INSY	321	Software Engineering	3

TOTAL			71
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9.1.1. DESCRIPTION OF Core (Professional) courses in Information Management, Networks and Communication & Software Engineering.

AMAT 111 Applied Mathematics 3 Credits

The course contains two main parts, namely calculus and algebra. It covers the full analysis of the one valued real functions focusing on differentiations, integrations and its applications. It develops the second part of algebra focused on linear algebra and its applications: basic theory of vector spaces, matrices in high dimensions, diagonalization and its applications to linear system of equations. *Prerequisite: None*

STAT 122 Statistics and Probability 3 Credits

The course content is designed to equip the student with the basis for descriptive statistics and probability in the R statistical software environment. It contains univariate and bivariate distributions. Combinatorics theory and introduction to the probability: axioms, conditional, independence and Baye's theorem. *Prerequisite: STAT 122 Descriptive Statistics*

INSY 217 Databases Management System 3 Credits

This course covers database design and the use of database management systems for applications. It includes extensive coverage of the relational model, relational algebra, database mapping, normalization of relations, Data Definition Languages, Data Manipulation Language. The topics covered include: Introduction to database management system, Entity relationship model, Relational database model, Enhanced entity relationship model, Relational database mapping, Relational algebra, Functional dependencies, Database normalization, Structured query language, Advance structured query language, and Database transactions. *Prerequisite: INSY 228 Programming with C*

INSY 125 Introduction to Information Management 3 Credits

The course introduces to the students the information processing concepts. It also introduces the history of computer and ensures that students get good understanding of computer system. The topics to be covered include: computer terminologies, data and information, Number systems, disk operating system, storage media, data processing, IP addresses, data transmission, data measurement units and memory addressing, introduction to network and Internet.

Prerequisite: None

INSY 317 Data Base development with PL/SQL 4 Credits

The course addresses the study of a relational database under the Oracle environment. Students will be introduced to the DBMS and SQL based on a client /server architecture. Students study how to formulate SQL queries, create tables, indexes and statements using SQL * Plus. The course also defines the different levels of security while maintaining data integrity. The basic concept of PL/SQL are discussed with the triggers, stored procedures, functions and packages.

Prerequisite: INSY 217 Data Base Management System.

INSY 228 Programming with C 4 Credits

This course provides a detailed study of the language C. This involves the study of variables and basic data types, control structures, arrays and a number of different array dimensions, functions, recursion, structures, pointers and dynamic management of memory, files and the design of structured Programming.

Prerequisite: INSY 216 introduction to Algorithm and Computer Programming.

INSY 214 Computer Maintenance 3 Credits

This course enables students to develop skills required to become a proficient computer support technician. The course guides students through the installation, maintenance, troubleshooting, upgrading, and repairing of computer. Other topics to be covered include: system boards, CD and DVD drives, essential devices (SD Cards, flash disks, etc.), computer ports(VGA, HDMI, etc.), hard drive installations and support, interpretation of computer technical specifications, introduction to viruses and anti-viruses, installing and uninstalling software, troubleshooting fundamentals, power supplies, and diagnostic software, Students learn how computer hardware and software work together. ***Prerequisite: INSY 125 Introduction to Information Management***

INSY 216 Introduction to Algorithms and Computer Programming 4 Credits

This course is designed for novice programmers. Its objective is to provide students with an abstract and logical thinking and the tools needed to write a computer programme. Students are introduced to fundamental concepts and algorithms that are known to most Programming languages. The course covers data structures, analysis and implementation of algorithms that use these structures. This course emphasizes the practical, providing the students with a toolbox of techniques that can be used for a variety of solutions in Programming. *Prerequisite: INSY 125 Introduction to Information Management.*

INSY 323 Object Oriented Programming in Java 5 Credits

With this course students learn the fundamental concepts of OOP (classes, depending friends, constructors, destructors, pointers to objects, inheritance, polymorphism and encapsulation). It also covers classes and generic functions, except the capture and flow of input/output redirected to files. *Prerequisite: INSY 228 Programming with C.*

INSY 316 Data Structure 5 Credits

This course introduces a number of popular data structures and algorithms, along with the basic techniques for algorithm analysis. abstract data types, ordered lists, linked lists, doubly linked lists, stacks, queues, dynamic storage allocation, sequential and linked implementation of stacks and queues, trees , binary trees and general trees, graphs, computational complexity, sorting algorithms selection sort, insertion sort, heap-sort, merge-sort and quick-sort, comparison of sorting techniques and analysis will be discussed. Students will be required to implement those data structures and perform possible operations associated with each. *Prerequisite: INSY 324 Java Programming*

INSY 414 Computer Networks 4 Credits

This course covers various topics in computer network communication. It includes protocols that govern way communication takes place on the network, the parameters for routing and network analysis and dissemination strategies in the static and dynamic networks. The OSI model and other related topics are also discussed in this course. The course further discusses on how to plan and implement a network in a small and wide areas. Installation of Server/Client based infrastructure is also discussed which involves at the same time IP addressing which covers subnetting huge networks into small networks called subnets. Furthermore, virtualization and cloud computing should be highlighted to give a notion and exposure to students regarding emerging technologies in the world of computing. *Prerequisite: INSY 214 Computer Maintenance*

INSY 324 Java Programming 4 Credits

This course introduces the advanced concepts of programming from an object-oriented perspective. The contents include GUI Programming using Swing, connecting a Java application with a database management using ODBC and JDBC, Network programming using socket programming and Remote Method Invocation (RMI), Files management using Java I/O API, and Multi-thread programming. The courses also introduces the best practices of Java application persistence layer management using Hibernate framework. **Prerequisites: OOP & DBMS**

INSY 413 Web Technology 4 Credits

This course aims at providing an understanding of the World Wide Web, the architecture of web application including the function of the web browsers and web servers and their communication using HTTP protocol. From acquired skills of JavaScript, students will be introduced to the concept of creating dynamic web application using Ajax and using jQuery library, programming server side using JSP and Servlet, access data from database and display them in a web page, create web form to populate database. An introduction to securing web application including authentication and authorization; preventing cross-site scripting, fishing and SQL injection attacks. Students will be introduced to the Model View Controller design pattern of web application, and the advanced web application programming using Java Server Faces framework, Hibernate and web socket. **Prerequisites: Java & Web Design**

INSY 422 Internship (Industrial Attachment) 4 Credits

In internship or industrial attachment, the student of AUCA needs to be exposed to the practical experience in the recognized fields of computing. In this internship exercise the student is expected to practice the skills and knowledge that are learned in either Information Management or Networks & Information Systems that will be used in their respective fields of study after graduating from AUCA. The student is expected to prepare a written report under the direction of the supervisor.

INSY 421 Research Project 6 Credits

This course deals with a research problem that a student develops while taking classes at AUCA. The problem is approved by the Faculty of Information Technology. After approval, the student writes the introduction, reviews the literature related to the topic, writes the methodology in which the student shows

how the data will be collected, collects the data, analyzes and interprets results and then gives appropriate conclusions and recommendations in a written document. This course is taken towards the end of the study. **Prerequisite:** All Courses of Information Technology

INSY 329 Operating Systems 4 Credits

This course covers the various modules of an operating system. These modules include the management of microprocessor storage devices, Multi Programming, process management and Memory management. It also covers the different components of an operating system as the file system, and the Kernel. Security and performance measurement system are also brought to light. Different types of operating system should be discussed including their capabilities and limitations to demonstrate the most efficient operating system among licensed and open source operating systems. **Prerequisites:** INSY 214 Computer Maintenance

MATH 127 Digital Computer Fundamentals 3 Credits

This course provides students with some tools (mathematical and logical) that enable them understand the physicality and software of a computer. It includes Boolean algebra, combinatorial logic, the foundations and their digital conversations, the study of certain registers, ports and logical integration. The course also concludes with the application of a few integrated circuits (organization of the processor, battery, memory). **Prerequisite:** *AMAT 111 Applied mathematics.*

INSY 321 Software Engineering 3 Credits

Software Engineering is a course that describes the techniques of creating high-quality software in a systematic, controlled, efficient manner, and maintaining it affordably. It explains in details the software development life cycle, and provide an overview of the following software development methodologies: waterfall model, spiral model, Incremental and Iterative model, prototyping model, unified process, and agile models. The course introduces the software project management including feasibility study, project planning, cost estimation and risk analysis. It introduces software analysis and design using UML2 and CASE tools. The course also provides an introduction to design patterns including: Singleton, Composite, Observer, Factory, Decorator and Façade. Practically the course covers user interface prototyping using open source web tools, and introduces software testing using Junit. It also provides overview of software quality assurance and software testing standards. **Prerequisites:** *INSY 323 Object Oriented Programming*

MAJOR/CONCENTRATION COURSES IN INFORMATION MANAGEMENT

CourseCode	CourseName	Credits	Prerequisite
ACCT 125	Principles of Accounting II	3	
ACCT 214	Intermediate Accounting I	3	
MGMT 124	Principles of Management	3	
ACCT 224	Intermediate Accounting II	3	
COSC 414	Web Design	2	INSY 228
MATH 315	Operational Research	3	
ACCT 312	Advanced Accounting I	3	
COSC 417	Introduction to Linux	3	INSY 228
ACCT 315	Managerial Accounting	3	ACCT 214
COSC 423	Dot Net	4	INSY 323
COSC 425	Introduction to Big Data	3	INSY 324
INSY 426	Mobile Programming	3	INSY 324
INSY 419	System Analysis and Design	4	INSY 321
Total		40	

9.1.2. DESCRIPTION OF MAJOR/CONCENTRATION COURSES IN INFORMATION MANAGEMENT

ACCT 123 Principles of Accounting II 3 credits

As a continuation of principles of accounting I, the course deals with accounting of the following items using GAAPs, IAS'S and IFRS: receivables, notes and payables; plant assets and intangibles; cash-flows statement basics; long term liabilities; partnership and corporate forms of business ownerships and the accounting associated with such ownership.. *Prerequisite: ACCT 112.*

ACCT 214 Intermediate Accounting I 3 credits

This course is a review of the basic accounting concepts and principles with the objective of acquiring broader perspective in the area of financial statements preparation, interpretation and analysis of financial statements (using ratios and trend analysis); accounting for revenue in construction contracts; events after the balance sheet date; current assets and their related revenue accounts and time value of money. *Prerequisite: ACCT 125.*

MGMT 124 Principles of Management 3 Credits

Study of different phases of the development of enterprises; study of the management process: planning, organization leading, controlling and the prospects for the future management and decision-making process.

STAT 222 Probability, Statistics & Reliability 3 Credits

The course content is designed to equip the student with the basis for descriptive statistics and probability in the R statistical software environment. Random variables and probability distributions, theory of Sampling distributions, Statistical estimation, Hypothesis testing and Analysis of Variance (ANOVA), Linear regression. *Prerequisite: AMAT 111 Applied Mathematics*

ACCT 224 Intermediate Accounting II 3 credits

As a continuation of Intermediate Accounting I, this course deals with a study of accounting concepts and principles; inventory management; accounting policies and changes in accounting estimates and errors; plant, property and equipment; intangibles assets; investments and financial instruments; leases; provisions and contingencies; earning per share; income taxes; accounting for receivables; accounting for pension and post-retirement benefits. ***Prerequisite: ACCT 214.***

ACCT 312 Advanced Accounting I 3 credits

This course deals with advanced financial accounting theory with problems in preparation and presentation of financial statements for corporations; joint ventures; branch accounts ; consignments and other agency selling; investment in securities (equity); preparation of consolidated financial statements; (group accounts and business combination); interpretation and analysis of financial statements. ***Prerequisite: ACCT 224.***

ACCT 313 Managerial Accounting 3 credits

This course is a study of nature, scope of management accounting; the relationship between management and financial accounting; cost classifications, the role of the management accountant; cost behavior patterns and identification of fixed and variable elements; break-even analysis; cost-volume profit analysis; relevant costs principles and decision making; qualitative factors for decision making; the role of budgeting and budgeting systems; budgetary process; functional and subsidiary budgets; standard costing and variance analysis. ***Prerequisite: ACCT 214.***

MATH 315 Operations Research (New course) 3 Credits

The course comprises the following topics: Linear programming problem, Transportation, Time Series and Index Numbers under Matlab. ***Prerequisite: STAT 222 Probability, Statistics & Reliability***

COSC 425 Introduction to Big Data (New Course) 3 Credits

The explosion of social media and the computerization of every economic aspect of activity has changed the trend of the field of computer science from computation-intensive to data-intensive problems resolution, wherein data is produced in massive amounts by large sensor networks, new data acquisition

techniques, simulations, and social networks. Efficiently extracting, interpreting, and learning from very large datasets requires a new generation of scalable algorithms as well as new data management technologies. This course brings together several key information technologies used in manipulating, storing, and analyzing big data.

At the end of this course, the student will become familiar with the fundamental concepts of Big Data management and analytics; will become competent in recognizing challenges faced by applications dealing with very large volumes of data as well as in proposing scalable solutions for them; and will be able to understand how Big Data impacts business intelligence, scientific discovery, and our day-to-day life. The topics covered include: Big Data, Introduction and Taxonomy, introduction to Hadoop, Hadoop components: MapReduce/Pig/Hive/HBase, loading data in Hadoop, handling data in Hadoop, querying data with Hive, and Big Data & Machine learning. ***Prerequisite: INSY 321 Software Engineering***

INSY 419 System Analysis & Design

4 Credits

This course deals with planning the development of information systems through understanding and specifying in detail what a system should do and how the components of the system should be implemented and work together. Coverage of this course includes processes of data gathering, system planning, analysis and design activities, as well as the required tools and techniques used SAD. Students will also learn to work as a team in developing design models for information systems. The students must be taught on how system analysts solve business problems through analyzing the requirements of information systems and designing such systems by applying analysis and design techniques. By using various CASE tools, the students must be taught on how create different models (Use-Case Diagrams, Activity Diagrams, Data Flow Diagrams, Entity Relationship Diagram, Class Diagram, Deployment Diagram, Component Diagram, User-Interface Design, etc.) along with the corresponding documentations that will guide the development team. It deals with the concepts, skills, methodologies, techniques, tools, and perspectives essential for systems analysts. ***Prerequisite: INSY 321 Software Engineering***

COSC 423 Dot Net

4 Credits

This course is an introduction to .NET Technology mainly focusing on web applications development. It is intended to provide students with the skills required to create Windows and web Form applications in C# by using the .NET Framework. The course will mainly cover major topics for Web based Applications using .NET Framework while introducing windows applications in .NET.

Topics to be covered include: Windows Forms, Windows Form Controls, Data access with ADO.NET, deployment of Windows applications, Exploring Microsoft ASP.NET Web Applications in Microsoft Visual Studio, Creating Web Applications by using Microsoft Visual Studio, creating a Microsoft ASP.NET Web Form, adding Functionality to a Microsoft ASP.NET Web Form, implementing Master Pages and User controls, Validating User Input, troubleshooting Microsoft ASP.NET Web Applications, managing Data in a Microsoft ASP.NET Web Application, managing Data Access Tasks by Using LINQ , Managing Data by Using Microsoft ASP.NET, Dynamic Data, Creating a Microsoft ASP.NET Ajax-enabled Web Forms Application, creating and Consuming Microsoft Windows Communication Foundation Services, managing State in Web Applications, configuring and Deploying a Microsoft ASP.NET Web Application, securing a Microsoft ASP.NET Web Application, implementing Advanced Technologies Supported by Microsoft Visual Studio for Web development(MVC and Silverlight). ***Prerequisite: INSY314 PL/SQL and INSY 323 Object Oriented Programming (OOP)***

INSY 426 Mobile Programming (New course to replace BSAD 423 Strategic Management) 3 Credits

This course emphasizes on developing applications of mobile devices. The students will use Android platform; thus, they should be familiar with Java, XML, and UNIX. A student who complete this course should be able create and deploy Android applications, to program an event-based application for mobile devices, to write and deploy an content based application, and will be able to describe the differences in software development between mobile device programming and server application programming, and develop applications that incorporate both programming methods to construct a single application task. The course covers Android Architecture, UI Architecture, Notifications and toast, Menus and dialogues, location and maps, data storage, Animations, Network communication and publishing an app. ***Prerequisites: INSY 324 Java***

9.1.2.1. Information Technology - 4 Years Full Time Programme

YEAR ONE SEMESTER 1

Code	Course Name	Credits	Theory	Practice	SDL	Total
AMAT 111	Applied Mathematics	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
ENGL 114	English Grammar	3	30	15	90	135
INSY 125	Introduction to Information Management	3	30	15	90	135
INSY 116	Micro Computer Application	3	30	15	90	135
Total		17	170	85	510	765

YEAR ONE SEMESTER 2

Code	Course Name	Credits	Theory	Practice	SDL	Total
STAT 122	Descriptive Statistics	3	30	15	90	135
ENGL 128	English Writing Skills	3	30	15	90	135
INSY 216	Introduction to Algorithms and Computer Programming	4	35	25	120	180
EDRM 113	Study and Research Methods	2	20	10	60	90

ACCT 125	Principles of Accounting II	3	30	15	90	135
MATH 127	Digital Computer Fundamentals	3	30	15	90	135
	Total	18	175	95	540	810

YEAR TWO SEMESTER 1						
Code	Course Name	Credits	Theory	Practice	SDL	Total
ENGL 219	English Speaking Skills	3	30	15	90	135
HELT 213	Health Principles	2	20	10	60	90
RELT 123	Bible Doctrines	3	30	15	90	135
INSY 228	Programming with C	4	35	25	120	180
INSY 214	Computer Maintenance	3	30	15	90	135
ACCT 214	Intermediate Accounting I	3	30	15	90	135
TOTAL		18	175	95	540	810

YEAR TWO SEMESTER 2						
Code	Course Name	Credits	Theory	Practice	SDL	Total
MGMT 124	Principles of Management	3	30	15	90	135
INSY 323	Object Oriented Programming in C+ +	5	45	30	150	225

ACCT 224	Intermediate Accounting II	3	30	15	90	135
INSY 217	Database Management System	3	30	15	90	135
ENGL 227	English Phonology	3	30	15	90	135
<i>TOTAL</i>		17	165	90	510	765

YEAR THREE SEMESTER 1						
Code	Course Name	Credits	Theory	Practice	SDL	Total
INSY 411	Computer Networks	4	35	25	120	180
ACCT 312	Advanced Accounting I	3	30	15	90	135
INSY 324	Java Programming	4	35	25	120	180
INSY 317	Data Base development with PL/SQL	4	35	25	120	180
MATH 315	Operational Research	3	30	15	90	135
<i>TOTAL</i>		18	165	105	540	810

YEAR THREE SEMESTER 2						
Code	Course Name	Credits	Theory	Practice	SDL	Total
COSC 414	Web Design	2			60	60
STAT 222	Statistics and Probability	3	30	15	90	135

COSC 417	Introduction to Linux	3	30	15	90	135
INSY 321	Software Engineering	3	30	15	90	135
INSY 316	Data Structure	5	45	30	150	225
ACCT 324	Cost Accounting	3	30	15	90	135
<i>TOTAL</i>		19	165	90	570	825

YEAR FOUR SEMESTER 1						
Code	Course Name	Credits	Theory	Practice	SDL	Total
INSY 422	Internship	4			120	120
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
INSY 419	System Analysis & Design	4	35	25	120	180
INSY 423	Dot Net	4	35	25	120	180
INSY 413	Web Technology and Internet	4	35	25	120	180
<i>TOTAL</i>		18	125	85	540	750

YEAR FOUR SEMESTER 2						
Code	Course Name	Credits	Theory	Practice	SDL	Total
INSY 421	Research Project	6			180	180

INSY 425	Introduction to Big Data	3	30	15	90	135
INSY 329	Operating Systems	4	35	25	120	180
BSAD 423	Mobile Programming	3	30	15	90	135
<i>TOTAL</i>		16	95	55	480	630

9.1.2.2. Information Technology - 3 Years with Summer Full Time Programme

YEAR ONE SEMESTER						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
AMAT 111	Applied Mathematics	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
EDRM 113	Study and Research Methods	2	20	10	60	90
ENGL 114	English Grammar	3	30	15	90	135
INSY 125	Introduction to Information Management	3	30	15	90	135
INSY 116	Micro Computer Application	3	30	15	90	135
TOTAL		19	190	95	570	855

YEAR ONE SEMESTER 2						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
STAT 122	Descriptive Statistics	3	30	15	90	135
ENGL 128	English Writing Skills	3	30	15	90	135

RELT 123	Bible Doctrines	3	30	15	90	135
INSY 216	Introduction to Algorithms and Computer Programming	4	35	25	120	180
ACCT 125	Principles of Accounting II	3	30	15	90	135
MATH 127	Digital Computer Fundamentals	3	30	15	90	135
TOTAL		19	185	100	570	855

YEAR ONE SUMMER SEMESTER						
ENGL 219	English Speaking Skills	3	30	15	90	135
HELT 213	Health Principles	2	20	10	60	90
INSY 228	Programming with C	4	35	25	120	180
	TOTAL	9	85	50	270	405

YEAR TWO SEMESTER 1						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 214	Computer Maintenance	3	30	15	90	135
ACCT 214	Intermediate Accounting I	3	30	15	90	135
INSY 217	Data Base Management System	3	30	15	90	135

INSY 324	Java Programming	4	35	25	120	180
INSY 323	Object Oriented Programming in C+ +	5	45	30	150	225
<i>TOTAL</i>		18	170	100	540	810

YEAR TWO SEMESTER 2						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 214	Computer Maintenance	3	30	15	90	135
MGMT 124	Principles of Management	3	30	15	90	135
INSY 331	Computer Networks	4	35	25	120	180
INSY 317	Data Base development with PL/SQL	4	35	25	120	180
ACCT 224	Intermediate Accounting II	3	30	15	90	135
COSC 334	Web Design	2	15	15	60	90
<i>TOTAL</i>		19	175	110	570	855

YEAR TWO SUMMER SEMESTER						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
MATH 315	Operational Research	3	30	15	90	135
ACCT 312	Advanced Accounting I	3	30	15	90	135

STAT 222	Statistics and Probability	3	30	15	90	135
<i>TOTAL</i>		9	90	45	270	405

YEAR THREE SEMESTER 1						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
RELT 221	Philosophy, Science and Religion	2	10	10	60	80
COSC 337	Introduction to Linux	3	30	15	90	135
INSY 321	Software Engineering	3	30	15	90	135
INSY 316	Data Structure	5	45	30	150	225
ACCT 324	Cost Accounting	3	30	15	90	135
<i>TOTAL</i>		16	145	85	480	710

YEAR THREE SEMESTER 2						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 332	Internship	4		60	120	180
INSY 339	System Analysis & Design	4	35	25	120	180
INSY 333	Dot Net	4	35	25	120	180
INSY 334	Web Technology and Internet	4	35	25	120	180
<i>TOTAL</i>		16	105	135	480	720

YEAR THREE SUMMER SEMESTER						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 335	Introduction to Big Data	3	30	15	90	135
INSY 329	Operating Systems	4	40	20	120	180
INSY 347	Mobile Programming	3	30	15	90	135
TOTAL		10	100	50	300	450

RESEARCH SEMESTER						
INSY 338	Research Project	6		90	180	270
TOTAL		141	1075	670	3510	5525

9.1.2.3. Information Technology - 5 Years Part Time Programme

YEAR ONE SEMESTER 1						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
ACCT 112	Principles of Accounting I	3	30	15	90	135
EDRM 113	Study and Research Methods	2	20	10	60	90
ENGL 114	English Grammar	3	30	15	90	135
INSY 125	Introduction to Information Management	3	30	15	90	135
INSY 116	Micro Computer Application	3	30	15	90	135
TOTAL		14	140	70	420	630

YEAR ONE SEMESTER 2						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
AMAT 111	Applied Mathematics	3	30	15	90	135
ENGL 128	English Writing Skills	3	30	15	90	135
INSY 216	Introduction to Algorithms and Computer Programming	4	35	25	120	180
ACCT 125	Principles of Accounting II	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90

<i>TOTAL</i>	15	145	80	450	675
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YEAR TWO SEMESTER 1						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
ENGL 219	English Speaking Skills	3	30	15	90	135
STAT 122	Descriptive Statistics	3	30	15	90	135
MATH 127	Digital Computer Fundamentals	3	30	15	90	135
HELT 213	Health Principles	2	20	10	60	90
INSY 228	Programming with C	4	35	25	120	180
<i>TOTAL</i>		15	145	80	450	675

YEAR TWO SEMESTER 2						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
RELT 123	Bible Doctrines	3	30	15	90	135
INSY 214	Computer Maintenance	3	30	15	90	135
ACCT 214	Intermediate Accounting I	3	30	15	90	135
INSY 217	Database Management System	3	30	15	90	135
ENGL 227	English Phonology	3	30	15	90	135
<i>TOTAL</i>		15	150	75	450	675

YEAR THREE SEMESTER 1						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
MGMT 124	Principles of Management	3	30	15	90	135
INSY 323	Object Oriented Programming in C+ +	5	45	30	150	225
ACCT 312	Advanced Accounting I	3	30	15	90	135
INSY 317	Data Base development with PL/SQL	4	35	25	120	180
<i>TOTAL</i>		15	140	85	450	675

YEAR THREE SEMESTER 2						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
COSC 414	Web Design	2	20	10	60	90
ACCT 224	Intermediate Accounting II	3	30	15	90	135
INSY 411	Computer Networks	4	35	25	120	180
MATH 315	Operational Research	3	30	15	90	135
INSY 324	Java Programming	4	35	25	120	180
<i>TOTAL</i>		16	150	90	480	720

YEAR FOUR SEMESTER 1						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
STAT 222	Statistics and Probability	3	30	15	90	135

INSY 321	Software Engineering	3	30	15	90	135
INSY 316	Data Structure	5	45	30	150	225
ACCT 324	Cost Accounting	3	30	15	90	135
<i>TOTAL</i>		14	135	75	420	630

YEAR FOUR SEMESTER 2						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 423	Dot Net	4	35	25	120	180
COSC 417	Introduction to Linux	3	30	15	90	135
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
INSY 419	System Analysis & Design	4	35	25	120	180
<i>TOTAL</i>		13	120	75	390	585

YEAR FIVE SEMESTER 1						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 425	Introduction to Big Data	3	30	15	90	135
INSY 413	Web Technology and Internet	4	35	25	120	180
INSY 329	Operating Systems	4	35	25	120	180
INSY 426	Mobile Programming	3	30	15	90	135
<i>TOTAL</i>		14	130	80	420	630

YEAR FIVE SEMESTER 2						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 421	Research Project	6			180	180
INSY 422	Internship	4			120	120
TOTAL		10	0	0	300	300

9.2. MAJOR/CONCENTRATION COURSES IN NETWORKING AND COMMUNICATION SYSTEMS

Course Code	Course Name	Credits	Prerequisite
COSC 417	Introduction to Linux	3	INSY 228
MATH 215	Higher Mathematics	3	AMAT 111
COSC 364	Network Administration	3	COSC 416
COSC 414	Web Design	2	
COSC 222	Electronic Devices and Circuits	3	MATH 127
COSC 416	Routing and Switching	3	INSY 411
INSY 226	Management Information Systems	3	
COSC 418	Network Security	3	INSY 411
COSC 313	Network Programming (TCP/IP)	3	INSY 324
INSY 426	Mobile Programming	3	INSY 324
COSC 415	Mobile Communication and Telecommunication Technologies	4	INSY 411
INSY 419	System Analysis and Design	4	INSY 321
COSC 413	Multimedia Computing	3	INSY 324
TOTAL		40	

DESCRIPTION OF MAJOR/CONCENTRATION COURSES IN NETWORKING AND COMMUNICATION SYSTEMS

COSC 327 Introduction to Linux 3 credits

The course is designed to cover essential learning skills for Linux. The course provides hands-on training to effectively use, customize, and script common command line utilities. In addition, administrators will learn how to perform essential system administration tasks including basic installation, package management, and user management procedures. *Prerequisite: INSY 329.*

COSC 364 Network Administration 3 Cr

This course is both theoretical and practical. It is intended for students who have already acquired knowledge on basic concepts and principles of computer networks. It aims at providing an in-depth understanding of technical considerations for network design and network management. In this course students will learn how to effectively plan, design and implement computer networks. They also will learn how to strategically manage these networks. Equipment, tools and techniques will be grouped into two parts: CISCO and Linux. Configuration of CISCO network equipment like routers and switches will be covered. Concepts of VLANs and Access-lists will also be covered under CISCO section. On Linux part, students will be introduced to configuration of basic network servers like DNS, DHCP, FTP and network management free tools like NTOP, NAGIOS, MRTG, and PROXY... *Prerequisite: COSC 416 Routing and Switching*

COSC 414 Web design 2 Credits

This self-paced course is designed to provide the necessary skills and training for an entry-level position in the field of Web design. The student learns to develop and maintain Web sites for a corporation or one's small business. The class focuses on Web page planning, basic design, layout and construction, and setup and maintenance of a web site. The course also deals with HTML/XHTML, Cascading Style Sheets, Dreamweaver, Fireworks, Flash, Photoshop, Illustrator, InDesign, PHP, MySQL and various other Web page and image creation tools. This course is taught in a PC environment, but all skills are transferable to the Macintosh and a Mac is available for testing student web sites. Student further develops a portfolio of sites during the training. *Prerequisite: INSY 226.*

COSC 222 Electronic Devices and Circuits 3 Cr

The course focuses on providing comprehensive understanding of electronic circuits and devices. The course presents a basic introduction to physical models of the operation of semiconductor devices and examines the design and operation of important circuits that utilize these devices. The course starts with a review of some basics of circuit theory, review of operation and characteristics of semiconductor devices and build up to more advanced topics in analog circuit design. Diodes and Transistors will be covered extensively and related circuits like rectifiers, clippers, clampers, and common emitter, common collector, common base amplifiers will also be thought to students. *Prerequisite: MATH 127 Digital Computer Fundamentals*

COSC 416 Routing and Switching 3 Cr

This course focuses on advanced IP addressing techniques, intermediate routing protocols, command-line interface configuration of CISCO switches and Routers, Ethernet switching, VLANs, STP, and VTP. Upon completion, student should be able to perform tasks related to CIDR and VLSM, routing protocols, switching concepts and configuration, STP, VLANs, and VTP. Students will be introduced to WAN technology. *Prerequisite: INSY 411 Computer Networks*

INSY 226 Management Information System 3 credits

The course covers the use and effect of computer information processing in a business environment with emphasis on management; computer system theory; business computing equipment; management concerns such as decision support system, computer security, and data base management information system; systems life cycle and systems analysis and design. Includes use of business software such as network systems, data base implementations, statistic packages, forecasting programmes, and simulations. *Prerequisite: INSY 321 Software Engineering.*

COSC 418 Network Security 3 Cr

This course aims at providing an in-depth understanding of security challenges involved with today's computer networks and information in general in terms of confidentiality, Integrity and availability. In this course students will understand how security policies, standards and practices are developed. They will be able to identify major types of threats to information security and the associated attacks like SQL injection, Denial of Service, IP Spoofing.... They also will be introduced to major types of cryptographic algorithms and corresponding typical applications. They will also write codes to encrypt and decrypt information

using some of the standard algorithms. Students will also be introduced to authentication processes and protocols and to digital signatures and the role of digital certificates. Network security equipment and tools (like firewall, IDS, Proxies...) will be extensively covered. ***Prerequisites: INSY 414 Computer Networks***

COSC 313 Network Programming (TCP/IP) 3 Cr

This course discusses socket API and support for TCP communications between end hosts. Socket programming is the key API for programming distributed applications on the Internet. Students will be introduced to key concepts of intercommunication between programs running on different computers in the network. They will also be introduced to elements of network programming and concepts involved in creating network applications using sockets. Various classes like Inet Address, Socket, and Server Socket contained in the java.net package will be covered in details in this course. Concepts of TCP and UDP streams will also be covered extensively including buffered and unbuffered streams. ***Prerequisite: INSY 324 Java***

COSC 415 Mobile Communications and Telecommunication Technologies 4 Cr

This course is intended to provide students with a comprehensive knowledge of most technical aspects, operations and applications of first/second/third/fourth generation and future cellular mobile and personal communication technology. The course will introduce technologies and underlying principles of wireless communications; building blocks of wireless networks; elementary examination of the science and technology of wireless communications including radio signal propagation, radio channel modelling, interference-limited communications, coding, modulation, anti-fading techniques like transmit and receive antenna diversity, equalization etc.; essential functions of all cellular telephone systems like frequency re-use, cellular hierarchy, sectorization, handoff and power control etc. are discussed. ***Prerequisites: INSY 414 Computer Networks***

INSY 419 System Analysis & Design 4 Cr

This course covers SDLC phases focusing on analysis and design of any information systems through understanding and specifying in details what a system should do and how the components of the system should be implemented and work together. Methodologies, techniques and tools used for developing quality software will be highlighted. Analyzing the requirements of information systems and designing such systems by applying analysis and design techniques will be emphasized. ***Prerequisite: INSY 317 PL/SQL***

COSC 413 Multimedia Computing 3 Cr

This course aims at introducing students to multimedia elements like digital audio, video, text and animated flash videos. Special emphasis will be put to understanding digital properties of each of these various multimedia elements. Students will be introduced to major video, audio, and image compression algorithms and techniques like mpeg, jpeg. They will also be introduced to editing tools like Adobe Photoshop and Adobe Premiere used to edit pictures and videos. Students will be required to work on a number of multimedia projects which include but are not limited to: creating a multimedia graphics presentation, taking and editing photographs, creating a layered image for publishing, creating an advertisement, creating a business brochure, creating a cartoon and editing a movie. Prerequisite: ***INSY 329 Operating Systems***

9.2.1. Networking and Communications Systems – 4 Years Full Time Programme

YEAR ONE SEMESTER 1						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
AMAT 111	Applied Mathematics	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
ENGL 114	English Grammar	3	30	15	90	135
INSY 125	Introduction to Information Management	3	30	15	90	135
INSY 116	Micro Computer Application	3	30	15	90	135
TOTAL		17	170	85	510	765

YEAR ONE SEMESTER 2						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
STAT 122	Descriptive Statistics	3	30	15	90	135
EDRM 113	Study and Research Methods	2	20	10	60	90
INSY 216	Introduction to Algorithms and Computer Programming	4	35	25	120	180
ENGL 128	English Writing Skills	3	30	15	90	135

INSY 214	Computer Maintenance	3	30	15	90	135
MATH 127	Digital Computer Fundamentals	3	30	15	90	135
<i>TOTAL</i>		18	175	95	540	810

YEAR TWO SEMESTER 1						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 411	Computer Networks	4	35	25	120	180
COSC 417	Introduction to Linux	3	30	15	90	135
INSY 228	Programming with C	4	35	25	120	180
ENGL 219	English Speaking Skills	3	30	15	90	135
HELT 213	Health Principles	2	20	10	60	90
MATH 215	Higher Mathematics	3	30	15	90	135
<i>TOTAL</i>		19	180	105	570	855

YEAR TWO SEMESTER 2						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 217	Data Base Management System	3	30	15	90	135
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
COSC 414	Web Design	2	20	10	60	90
COSC 364	Network Administration	3	30	15	90	135

INSY 323	Object Oriented Programming	5	45	30	150	225
ENGL 227	English Phonology	3	30	15	90	135
<i>TOTAL</i>		18	175	95	540	810

YEAR THREE SEMESTER 1						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
COSC 222	Electronic Devices and Circuits	3	30	15	90	135
RELT 123	Bible Doctrines	3	30	15	90	135
INSY 324	Java Programming	4	35	25	120	180
INSY 226	Management Information Systems	3	30	15	90	135
INSY 317	Data Base development with PL/SQL	4	35	25	120	180
<i>TOTAL</i>		17	160	95	510	765

YEAR THREE SEMESTER 3						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
COSC 418	Network Security	3	30	15	90	135
INSY 321	Software Engineering	3	30	15	90	135
INSY 316	Data Structure	5	45	30	150	225

STAT 222	Statistics and Probability	3	30	15	90	135
COSC 313	Network Programming (TCP/IP)	3	30	15	90	135
<i>TOTAL</i>		17	165	90	510	765

YEAR FOUR SEMESTER 1						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 426	Mobile Programming	3	30	15	90	135
COSC 415	Mobile Communication and Telecommunication Technologies	4	35	25	120	180
INSY 413	Web Technology	4	35	25	120	180
COSC 416	Routing and Switching	3	30	15	90	135
INSY 419	System Analysis and Design	4	35	25	120	180
<i>TOTAL</i>		18	165	105	540	810

YEAR FOUR SEMESTER 2						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 329	Operating Systems	4	35	25	120	180
INSY 421	Research Project (Memoire)	6			180	180

INSY 422	Internship	4			120	120
COSC 413	Multimedia Computing	3	30	15	90	135
<i>TOTAL</i>		17	65	40	510	615

9.2.2. Networking and Communications Systems - 3 Years with Summer Full Time Programme

YEAR ONE SEMESTER 1						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
AMAT 111	Applied Mathematics	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
ENGL 114	English Grammar	3	30	15	90	135
INSY 125	Introduction to Information Management	3	30	15	90	135
INSY 116	Micro Computer Application	3	30	15	90	135
TOTAL		17	170	85	510	765

YEAR ONE SEMESTER 2						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
STAT 122	Descriptive Statistics	3	30	15	90	135
INSY 216	Introduction to Algorithms and Computer Programming	4	35	25	120	180

EDRM 113	Study and Research Methods	2	20	10	60	90
ENGL 128	English Writing Skills	3	30	15	90	135
INSY 214	Computer Maintenance	3	30	15	90	135
MATH 127	Digital Computer Fundamentals	3	30	15	90	135
<i>TOTAL</i>		18	175	95	540	810

YEAR ONE SUMMER SEMESTER						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
COSC 337	Introduction to Linux	3	30	15	90	135
MATH 215	Higher Mathematics	3	30	15	90	135
INSY 228	Programming with C	4	35	25	120	180
<i>TOTAL</i>		10	95	55	300	450

YEAR TWO SEMESTER 1						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 331	Computer Networks	4	35	25	120	180
ENGL 219	English Speaking Skills	3	30	15	90	135
INSY 323	Object Oriented Programming	5	45	30	150	225

INSY 217	Data Base Management System	3	30	15	90	135
COSC 364	Network Administration	3	30	15	90	135
<i>TOTAL</i>		18	170	100	540	810

YEAR TWO SEMESTER 2						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
HELT 213	Health Principles	2	20	10	60	90
COSC 334	Web Design	2	20	10	60	90
ENGL 227	English Phonology	3	30	15	90	135
COSC 222	Electronic Devices and Circuits	3	30	15	90	135
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
COSC 348	Routing and Switching	3	30	15	90	135
INSY 324	Java Programming	4	35	25	120	180
<i>TOTAL</i>		19	185	100	570	855

YEAR TWO SUMMER SEMESTER						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 226	Management Information Systems	3	30	15	90	135

COSC 338	Network Security	3	30	15	90	135
INSY 321	Software Engineering	3	30	15	90	135
<i>TOTAL</i>		9	90	45	270	405

YEAR THREE SEMESTER 1						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 317	Data Base development with PL/SQL	4	35	25	120	180
INSY 316	Data Structure	5	45	30	150	225
STAT 223	Statistics and Probability	3	30	15	90	135
COSC 313	Network Programming (TCP/IP)	3	30	15	90	135
INSY 333	Dot Net	4	35	25	120	180
<i>TOTAL</i>		19	175	110	570	855

YEAR THREE SEMESTER 2						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
COSC 335	Mobile Communication and Telecommunication Technologies	4	40	20	120	180
INSY 334	Web Technology	4	35	25	120	180

INSY 329	Operating Systems	4	40	20	120	180
INSY 339	System Analysis and Design	4	40	20	120	180
<i>TOTAL</i>		16	155	85	480	720

YEAR THREE SUMMER SEMESTER						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 332	Internship	4		60	120	180
RELT 123	Bible Doctrines	3	30	15	90	135
COSC 333	Multimedia Computing	3	30	15	90	135
<i>TOTAL</i>		10	60	90	300	450

RESEARCH SEMESTER						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 338	Research Project (Memoire)	6		90	180	270
<i>GRAND TOTAL</i>		142	1275	855	4260	6390

9.2.3. Networking and Communications Systems - 5 Years Part Time Programme

YEAR ONE SEMESTER 1						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
AMAT 111	Applied Mathematics	3	30	15	90	135
INSY 125	Introduction to Information Management	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
ENGL 114	English Grammar	3	30	15	90	135
INSY 116	Micro Computer Application	3	30	15	90	135
TOTAL		14	140	70	420	630

YEAR ONE SEMESTER 2						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
ENGL 128	English Writing Skills	3	30	15	90	135
EDRM 113	Study and Research Methods	2	20	10	60	90
INSY 214	Computer Maintenance	3	30	15	90	135
INSY 216	Introduction to Algorithms and Computer Programming	4	35	25	120	180
MATH 215	Higher Mathematics	3	30	15	90	135

<i>TOTAL</i>	37	365	190	1110	1665
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YEAR TWO SEMESTER 1						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
ACCT 112	Principles of Accounting I	3	30	15	90	135
INSY 228	Programming with C	4	35	25	120	180
INSY 411	Computer Networks	4	35	25	120	180
ENGL 211	English Speaking Skills	3	30	15	90	135
<i>TOTAL</i>		14	130	80	420	630

YEAR TWO SEMESTER 2						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
RELT 123	Bible Doctrines	3	30	15	90	135
MATH 127	Digital Computer Fundamentals	3	30	15	90	135
INSY 217	Data Base Management System	3	30	15	90	135
ENGL 227	English Phonology	3	30	15	90	135
INSY 226	Management Information Systems	3	30	15	90	135
<i>TOTAL</i>		15	150	75	450	675

YEAR THREE SEMESTER 1						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 323	Object Oriented Programming in C++	5	45	30	150	225
COSC 417	Introduction to Linux	3	30	15	90	135
STAT 122	Descriptive Statistics	3	30	15	90	135
COSC 364	Network Administration	3	30	15	90	135
TOTAL		14	135	75	420	630

YEAR THREE SEMESTER 2						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
HELT 213	Health Principles	2	20	10	60	90
INSY 316	Data Structure	5	45	30	150	225
STAT 222	Probability, Statistics & Reliability	3	30	15	90	135
COSC 313	Network Programming (TCP/IP)	3	30	15	90	135
TOTAL		13	125	70	390	585

YEAR FOUR SEMESTER 1						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 317	Data Base development with PL/SQL	4	35	25	120	180
COSC 222	Electronic Devices and Circuits	3	30	15	90	135

RELT 221	Philosophy, Science and Religion	2	20	10	60	90
INSY 324	Java Programming	4	35	25	120	180
COSC 414	Web Design	2	20	10	60	90
<i>TOTAL</i>		15	140	85	450	675

YEAR FOUR SEMESTER 2						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
COSC 418	Network Security	3	30	15	90	135
INSY 413	Web Technology and Internet	4	35	25	120	180
COSC 415	Mobile Communication and Telecommunication Technologies	4	35	25	120	180
INSY 321	Software Engineering	3	30	15	90	135
<i>TOTAL</i>		14	130	80	420	630

YEAR FIVE SEMESTER 1						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
BSAD 314	Entrepreneurship	3	30	15	90	135
INSY 419	Design Methodology for Information Systems- System Analysis and Design	4	35	25	120	180
COSC 413	Multimedia Computing	3	30	15	90	135

COSC 416	Routing and Switching	3	30	15	90	135
<i>TOTAL</i>		13	125	70	390	585

YEAR FIVE SEMESTER 2						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 329	Operating Systems	4	35	25	120	180
INSY 421	Research Project (Memoire)	6			180	180
INSY 422	Internship	4			120	120
<i>TOTAL</i>		14	35	25	420	480

9.3. MAJOR/CONCENTRATION COURSES IN SOFTWARE ENGINEERING

Course Code	Course Name	Credits	Prerequisite
MATH 128	Multivariable Calculus and Ordinary Differential Equations	3	AMAT 111
SENG 224	Theory Computation	3	MATH 127
SENG 223	Introduction to Software Modeling & Design	3	INSY 321
SENG 325	Requirements Engineering	3	INSY 321
COSC 418	Network security	3	INSY 411
SENG 322	Software Testing Techniques	3	INSY 324
SENG 412	Software Project Management	3	
COSC 417	Introduction to Linux	3	INSY 228
SENG 413	Software Quality Assurance	3	
SENG 414	Advanced Software Modeling & Design	4	INSY 323
COSC 425	Introduction to Big Data	3	
SENG 422	Best Programming Practice & Design Patterns	3	SENG 414
Total		37	

DESCRIPTION OF MAJOR/CONCENTRATION COURSES IN SOFTWARE ENGINEERING

MATH 128 Multivariable Calculus and Ordinary Differential Equations 3 Credits

The course contains two main parties. Part 1: Real valued function in two and three variables. It focuses on the differentiations, integrations and their applications. Part 2: Ordinary differential Equations: First order and second order linear differential equations with constant coefficients and their applications.

Prerequisite: AMAT 111 Applied Mathematics

SENG 224 Theory of Computation 3 Credits

This course will help students to understand the foundation of the computation and the essential concepts involved in automata theory. It has been prepared for students pursuing a degree in any information technology or computer science related field. The course contains theory and mathematical rigor; students are expected to have a basic understanding of discrete mathematical structures.

SENG 223 Introduction to Software Modeling & Design 3 Credits

Modeling and design can be considered core concepts in any engineering discipline because they are essential to documenting and evaluating design decisions and alternatives. The course will cover: Modeling foundations; Modeling principles (e.g., decomposition, abstraction, generalization, projection/views, and use of formal approaches); Information modeling (e.g., entity-relationship modeling and class diagrams); Behavioral modeling (e.g., state diagrams, use case analysis, interaction diagrams); Architectural modeling and design; Domain modeling and Database Design, Enterprise modeling (e.g., business processes, organizations, goals, and workflow). ***Prerequisite: INSY 321 Software Engineering.***

SENG 325 Requirements engineering 3 Credits

The main purpose of this course is to help students to understand the requirements that need to be fulfilled. The focus of this course is how to find and collect requirements from relevant sources both at the start and during a software development project. Different methods for this as well as different underlying principles and formats for documenting and maintaining requirements are covered. In particular, the course covers the problems that arise when requirements engineering is conducted in a fast-paced, cost-sensitive industrial reality. The following topics are covered in the course: Stakeholder Identification and Management, Requirements Elicitation, Writing Requirements and Requirements Specifications, Quality Assurance of Requirements, Prioritizing

Requirements, Connections and Alignment between Requirements Engineering and other Software Engineering activities, Requirements Engineering in In-Project vs. Market-driven Development, Requirements Engineering in Agile and Iterative/Incremental Development. . ***Prerequisites: Software Engineering***

COSC 418 Network Security 3 Credits

This course aims at providing an in-depth understanding of security challenges involved with today's computer networks and information in general in terms of confidentiality, Integrity and availability. In this course students will understand how security policies, standards and practices are developed. They will be able to identify major types of threats to information security and the associated attacks like SQL injection, Denial Of Service, IP spoofing.... They also will be introduced to major types of cryptographic algorithms and corresponding typical applications. They will also write codes to encrypt and decrypt information using some of the standard algorithms. Students will also be introduced to authentication processes and protocols and to digital signatures and the role of digital certificates. Network security equipment and tools (like firewall, IDS, Proxies...) will be extensively covered. ***Prerequisites: INSY 414 Computer Networks***

SENG 322 Software Testing Technics 3 Credits

Methods for evaluating software for correctness, and reliability including code inspections, program proofs and testing methodologies. Formal and informal proofs of correctness. Code inspections and their role in software verification. Unit and system testing techniques, testing tools and limitations of testing, Software Verification and Validation. ***Prerequisite: INSY 324 Java Programming***

SENG 412 Software Project Management 3 Credits

This course focuses on equipping students with methods and tools for planning and managing complex software project from planning, scheduling, tracking, cost estimation, risk management, and configuration management. The topics to be covered includes: Project definition, Work Breakdown Structure (WBS), planning tools, nets diagrams, cost planning, resources, risk factors, Time estimating, cost planning, resource management, resource allocation, project execution, project control, organization structures, main tasks of project manager, Project Manager soft skills and typical profiles, and introduction to PRINCE 2 methodology. ***Prerequisite: SENG 325 Requirements engineering***

COSC 327 Introduction to Linux 3 Credits

The course is designed to cover essential learning skills for Linux. The course provides hands-on training to effectively use, customize, and script common command line utilities. In addition, administrators will learn how to perform essential system administration tasks including basic installation, package management, and user management procedures. *Prerequisite: INSY 329 Operating Systems.*

SENG 412 Software Project Management 3 Credits

This course focuses on equipping students with methods and tools for planning and managing complex software project from planning, scheduling, tracking, cost estimation, risk management, and configuration management. The topics to be covered include: Project definition, Work Breakdown Structure (WBS), planning tools, network diagrams, cost planning, resources, risk factors, Time estimating, cost planning, resource management, resource allocation, project execution, project control, organization structures, main tasks of project manager, Project Manager soft skills and typical profiles, and introduction to PRINCE 2 methodology. *Prerequisite: SENG 325 Requirements engineering*

SENG 413 Software quality assurance 3 Credits

This course teaches students techniques in the latest methods of software quality assurance (SQA) for accurate and thorough verification and validation of software to ensure that the software developed is of best quality.

It includes detailed coverage of the systems development life cycle and SQA factors, the methods, tools and techniques for measurement of software quality, the costs associated with quality at each phase of the systems development life cycle and various effective (SQA) guidelines and standards.

This course covers the important aspects of software quality. It begins with an overview of what is quality assurance, software quality challenges and expectations, tools, techniques and methods of SQA, Life cycle phases and quality factor, components of quality, development of a software quality assurance plan, software walkthroughs and inspections, and software audits.

Lastly, the course covers planning, budgeting and management of SQA, SQA testing, SQA metrics as a mechanism for assessing the quality of software products, Software quality evaluation techniques and defect tracking. ***Prerequisite: SENG 412 Software Project Management 3 Credits***

SENG 414 Advanced Software Modeling & Design 3 Credits

Software Modeling and Design II is concerned with issues, techniques, strategies, representations, and patterns used to determine how to implement a component or a system. Before Mid-Semester exam the course covers theoretical and practical concept of: Fundamental design issues; Design principles (information hiding, cohesion, and coupling); Design for quality attributes (e.g., reliability, usability, maintainability, performance, testability, security, and fault tolerance); Design strategies (e.g., Function-oriented design, Object-oriented design, Data-structure centered design, and Aspect-oriented design) Architectural design, Service-oriented architectures Detailed Database design, Design of networked and mobile systems Design evaluation, Design attributes (e.g., coupling, cohesion, information hiding, and separation of concerns). After the Mid-Semester student conduct a supervised software engineering that accommodate all aspect of the course learning before Mid-semester exam. ***Prerequisite: SENG 223 Introduction to Software Modeling and Design***

COSC 425 Introduction to Big Data (New Course) 3 Credits

The explosion of social media and the computerization of every economic aspect of activity has changed the trend of the field of computer science from computation-intensive to data-intensive problems resolution, wherein data is produced in massive amounts by large sensor networks, new data acquisition techniques, simulations, and social networks. Efficiently extracting, interpreting, and learning from very large datasets requires a new generation of scalable algorithms as well as new data management technologies. This course brings together several key information technologies used in manipulating, storing, and analyzing big data.

At the end of this course, the student will become familiar with the fundamental concepts of Big Data management and analytics; will become competent in recognizing challenges faced by applications dealing with very large volumes of data as well as in proposing scalable solutions for them; and will be able to understand how Big Data impacts business intelligence, scientific discovery, and our day-to-day life. The topics covered include: Big Data, Introduction and Taxonomie, introduction to Hadoop, Hadoop components: MapReduce/Pig/Hive/HBase, loading data in Hadoop, handling data in Hadoop, querying data with Hive, and Big Data & Machine learning. ***Prerequisite: INSY 321 Software Engineering***

SENG 422 Programming best practices and design patterns 3 Credits

This course teaches the student how to apply programming best practices, to avoid pitfalls, perform industry-standard software development techniques, use design patterns to implement general reusable solutions to reoccurring problems. The course covers a wide range of software development concepts, abilities, and skills, from analysing a problem to implementing a solution.

This course explores proven real-world techniques to meet the biggest challenge in the software development community, building quality systems which fulfil user requirements, and delivering them on time. The focus of the course is to give the student skills that are most critical in building large and well-designed software systems with improved efficiency of code and minimum development effort.

On completion of this course, the student will be able to use develop solid, robust and reusable software application by following well-established coding standards and conventions to minimize the risk of logical errors and bugs and improve the quality and maintainability of software applications. The student will also be able to apply common design pattern including creational design patterns such as Abstract Factory, Builder, Factory Method, Object Pool, Prototype and Singleton patterns, structural design patterns such as Adapter, Bridge, Composite, Decorator, Facade, Flyweight, Private Class Data and Proxy patterns, behavioural design patterns such as Chain of responsibility, Command, Interpreter, Iterator, Mediator, Memento, Null Object, Observer, State, Strategy, Template method and Visitor patterns. ***Prerequisite: INSY 324 Java***

9.3.1. Software Engineering - 4 Years Full Time Programme

YEAR ONE SEMESTER 1						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
ACCT 112	Principles of Accounting I	3	30	15	90	135
AMAT 111	Applied Mathematics	3	30	15	90	135
EDRM 113	Study and Research Methods	2	20	10	60	90
ENGL 114	English Grammar	3	30	15	90	135
INSY 125	Introduction to Information Management	3	30	15	90	135
INSY 116	Micro Computer Application	3	30	15	90	135
	TOTAL	17	170	85	510	765

YEAR ONE SEMESTER 2						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
MATH 128	Multivariable Calculus and Ordinary Differential Equations	3	30	15	90	135
ENGL 128	English Writing Skills	3	30	15	90	135
INSY 216	Introduction to Algorithms and Computer Programming	4	35	25	120	180
STAT 122	Statistics and Probability	3	30	15	90	135
MATH 127	Digital Computer Fundamentals	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
	TOTAL	18	175	95	540	810

YEAR TWO SEMESTER 1						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
ENGL 219	English Speaking Skills	3	30	15	90	135
HELT 213	Health Principles	2	20	10	60	90
RELT 123	Bible Doctrines	3	30	15	90	135
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
INSY 228	Programming with C	4	35	25	120	180
INSY 214	Computer Maintenance	3	30	15	90	135
	TOTAL	17	165	90	510	765

YEAR TWO SEMESTER 2						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 323	Object-Oriented Programming	5	45	30	150	225
INSY 217	Database Systems	3	30	15	90	135
SENG 223	Introduction to Software Modeling & Design	3	30	15	90	135
SENG 224	Theory Computation	3	30	15	90	135
ENGL 227	English Phonology	3	30	15	90	135
	TOTAL	17	165	90	510	765

YEAR THREE SEMESTER 1						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 411	Computer Networks	4	35	25	120	180
INSY 321	Software Engineering	3	30	15	90	135
INSY 324	Java Programming	4	35	25	120	180
COSC 418	Network security	3	30	15	90	135
INSY 317	Data Base development with PL/SQL	4	35	25	120	180
	TOTAL	18	165	105	540	810

YEAR THREE SEMESTER 2						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 316	Data Structures	5	45	30	150	225
SENG 322	Software Testing Techniques	3	30	15	90	135
INSY 329	Operating Systems	4	35	25	120	180
INSY 413	Web technologies	4	35	25	120	180
SENG 325	Requirements Engineering	3	30	15	90	135
	TOTAL	19	175	110	570	855

YEAR FOUR SEMESTER 1						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
COSC 417	Introduction to Linux	4	35	25	120	180
SENG 412	Software Project Management	3	30	15	90	135
SENG 413	Software Quality Assurance	3	30	15	90	135
SENG 414	Advanced Software Modeling & Design	4	35	25	120	180
INSY 425	Introduction to Big Data	3	30	15	90	135
	<i>TOTAL</i>	17	160	95	510	765

YEAR FOUR SEMESTER 2						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
SENG 421	Software Security	3	30	15	90	135
INSY 422	Best Programming Practice & Design Patterns	3	30	15	90	135
INSY 421	Research Project	6			180	180
INSY 422	Internship	4			120	120
	<i>TOTAL</i>	16	60	30	480	570

9.3.2. Software Engineering - 3 Years with Summer Full Time Programme

YEAR ONE SEMESTER 1						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
ACCT 112	Principles of Accounting I	3	30	15	90	135
AMAT 111	Applied Mathematics	3	30	15	90	135
EDRM 113	Study and Research Methods	2	20	10	60	90
ENGL 114	English Grammar	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
INSY 125	Introduction to Information Management	3	30	15	90	135
INSY 116	Micro Computer Application	3	30	15	90	135
TOTAL		19	190	95	570	855
YEAR ONE SEMESTER 2						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
MATH 128	Multivariable Calculus and Ordinary Differential Equations	3	30	15	90	135
ENGL 128	English Writing Skills	3	30	15	90	135

INSY 216	Introduction to Algorithms and Computer Programming	4	35	25	120	180
HELT 213	Health Principles	2	20	10	60	90
STAT 122	Statistics and Probability	3	30	15	90	135
MATH 127	Digital Computer Fundamentals	3	30	15	90	135
<i>TOTAL</i>		18	175	95	540	810

YEAR ONE SUMMER SEMESTER						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
ENGL 219	English Speaking Skills	3	30	15	90	135
INSY 214	Computer Maintenance	3	30	15	90	135
INSY 321	Software Engineering	3	30	15	90	135
<i>TOTAL</i>		9	90	45	270	405

YEAR TWO SEMESTER 1						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
	Theory Computation	3	30	15	90	135
INSY 228	Programming with C	4	35	25	120	180
INSY 323	Object-Oriented Programming	5	45	30	150	225
INSY 217	Database Systems	3	30	15	90	135

SENG 223	Introduction to Software Modeling & Design	3	30	15	90	135
<i>TOTAL</i>		18	170	100	540	810

YEAR TWO SEMESTER 2

Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 316	Data Structures	5	45	30	150	225
ENGL 227	English Phonology	3	30	15	90	135
INSY 331	Computer Networks	4	35	25	120	180
SENG 325	Requirements Engineering	3	30	15	90	135
INSY 324	Java Programming	4	35	25	120	180
<i>TOTAL</i>		19	175	110	570	855

YEAR TWO SUMMER SEMESTER

Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 317	Data Base development with PL/SQL	4	35	25	120	180
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
SENG 322	Software Testing Techniques	3	30	15	90	135
<i>TOTAL</i>		9	85	50	270	405

YEAR THREE SEMESTER 1

Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
COSC 338	Network security	3	30	15	90	135
INSY 334	Web technologies	4	35	25	120	180
RELT 123	Bible Doctrines	3	30	15	90	135
INSY 329	Operating Systems	4	40	20	120	180
SENG 345	Software Project Management	3	30	15	90	135
<i>TOTAL</i>		17	165	90	510	765

YEAR THREE SEMESTER 2						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
COSC 337	Introduction to Linux	3	30	15	90	135
SENG 343	Software Quality Assurance	3	30	15	90	135
SENG 344	Advanced Software Modeling & Design	4	40	20	120	180
INSY 335	Introduction to Big Data	3	30	15	90	135
<i>TOTAL</i>		13	130	65	390	585

YEAR THREE SUMMER SEMESTER						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
SENG 341	Software Security	3	30	15	90	135
SENG 342	Best Programming Practice & Design Patterns	3	30	15	90	135
INSY 332	Internship	4		60		
TOTAL		10	60	90	180	270

RESEARCH SEMESTER						
Course Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 338	Research Project	6		90	180	270
GRAND TOTAL		138	1240	830	4020	6030

9.3.3. Software Engineering - 5 Years Part Time Programme

YEAR ONE SEMESTER 1						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
ACCT 112	Principles of Accounting I	3	30	15	90	135
AMAT 111	Applied Mathematics	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
ENGL 114	English Grammar	3	30	15	90	135
INSY 116	Micro Computer Application	3	30	15	90	135
	TOTAL	14	140	70	420	630

YEAR ONE SEMESTER 2						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
MATH 128	Multivariable Calculus and Ordinary Differential Equations	3	30	15	90	135
INSY 125	Introduction to Information Management	3	30	15	90	135
EDRM 113	Study and Research Methods	2	20	10	60	90
ENGL 128	English Writing Skills	3	30	15	90	135

INSY 216	Introduction to Algorithms and Computer Programming	4	35	25	120	180
	TOTAL	15	175	95	540	810

YEAR TWO SEMESTER 1						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
STAT 122	Statistics and Probability	3	30	15	90	135
MATH 127	Digital Computer Fundamentals	3	30	15	90	135
ENGL 219	English Speaking Skills	3	30	15	90	135
HELT 213	Health Principles	2	20	10	60	90
INSY 228	Programming with C	4	35	25	120	180
	TOTAL	15	175	95	540	810

YEAR TWO SEMESTER 2						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 217	Database Systems	3	30	15	90	135
SENG 223	Introduction to Software Modeling & Design	3	30	15	90	135
INSY 214	Computer Maintenance	3	30	15	90	135
RELT 123	Bible Doctrines	3	30	15	90	135

ENGL 227	English Phonology	3	30	15	90	135
	TOTAL	15	150	75	450	675

YEAR THREE SEMESTER 1						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 323	Object-Oriented Programming	5	45	30	150	225
INSY 411	Computer Networks	4	35	25	120	180
INSY 321	Software Engineering	3	30	15	90	135
SENG 224	Theory Computation	3	30	15	90	135
	TOTAL	15	175	110	570	855

YEAR THREE SEMESTER 2						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 316	Data Structures	5	45	30	150	225
INSY 317	Data Base development with PL/SQL	4	35	25	120	180
COSC 418	Network security	3	30	15	90	135
SENG 322	Software Testing Techniques	3	30	15	90	135
		15	140	85	350	575

YEAR 4 SEMESTER 1						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 324	Java Programming	4	35	25	120	180
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
INSY 413	Web technologies	4	35	25	120	180
SENG 325	Requirements Engineering	3	30	15	90	135
	TOTAL	13	260	160	840	1260

YEAR FOUR SEMESTER 2						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
COSC 417	Introduction to Linux	4	35	25	120	180
SENG 412	Software Project Management	3	30	15	90	135
INSY 329	Operating Systems	4	35	25	120	180
SENG 413	Software Quality Assurance	3	30	15	90	135
	TOTAL	14	145	80	450	675

YEAR FIVE SEMESTER 1						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
SENG 421	Software Security	3	30	15	90	135
SENG 414	Advanced Software Modeling & Design	4	35	25	120	180

INSY 425	Introduction to Big Data	3	30	15	90	135
INSY 422	Best Programming Practice & Design Patterns	3	30	15	90	135
		13	125	70	390	585

TEAR FIVE SEMESTER 2						
Code	Course Name	Credits	Theory	Practice	SDL	TOTAL
INSY 421	Research Project	6			180	180
INSY 422	Internship	4			120	120
	<i>TOTAL</i>	10	125	70	690	885

FACULTY OF THEOLOGY

10. FACULTY OF THEOLOGY

Introduction

At Adventist University of Central Africa (AUCA), the curriculum of the Faculty of Theology is aiming at fulfilling of the Seventh-day Adventist International Board of Ministerial and Theological education in providing professional training to pastors, evangelists, theologians, teachers of Bible and religion and other denominational employees involved in ministerial and religious formation. The University has therefore introduced the concepts of general, core (professional), and concentration courses. The introduction of general, core, and concentration courses is designed according to the IBMTE and the East Central Africa Division.

Philosophy

Theology as a discipline of study is primarily concerned with the action of God in History. It deals with God and humankind in their relationship to each other. Hence, it is of decisive importance to the future of mankind. Theology is committed to the development of the individual spiritually, mentally, physically, socially, as well as excellence in theological and religious thinking. Emphasis is thereby placed on the rightful role of religion as the conscience of human society.

Vision

The Department seeks to equip men and women for faithful and effective service to the creator God, the family, community and Church through application of the principles of a sound Bible-based Christianity.

Mission

The mission of the Department of Theology at AUCA is to provide quality preparation for pastors, teachers, evangelists, administrators and other related professional careers for service in the Seventh-day Church and the society at large.

Competencies for Bachelor's Degree: The holder of this degree will have following competencies: Preaching, leadership, evangelist, counselor, and teaching Bible.

Competencies for Diploma in Higher Education in Theology:

They are the same as the Bachelor's Degree.

Objectives

The department strives to achieve the following:

1. To provide theological knowledge that is both culturally and contextually grounded in the Christian African reality.
2. To equip students with practical skills through practicum, evangelistic and outreach activities.
3. To expose students to the study of Scripture through accepted exegetical methods, with emphasis on interpreting the text within the context of history, archaeology, and biblical languages.
4. To prepare students to be able to teach Christian Religious Education in Secondary Schools.
5. To prepare students for post-graduate studies and advanced research.

Entry Requirements

Students wishing to pursue theology concentration must have a secondary school certificate recognized by the government or its equivalent. The candidate must satisfy the minimum entrance requirements for AUCA, including entry exam. The students are expected to be persons of high moral and integrity since they are trained for Christian ministry, particularly the Seventh-day Adventist Ministry.

Major:	Theology
Minor:	Not Applicable

Summary of Courses Taken by Student Majoring in Theology

Rubrics	Credits
<i>General Education</i>	<i>32</i>
<i>Core (Professional) & Major (Concentration)</i>	<i>104</i>
TOTAL	136

Structure and Degree Requirements for Graduation

In order for AUCA student to graduate with the degree of Bachelor of Theology he/she should complete the requirements as outlined in the above table and as described below.

General Education Courses

For the general education courses, check in the section of general education requirements for details.

Core (Professional) Courses:

For the core (professional courses), check in the section (below) of core/professional courses in the Faculty of Theology.

Concentration Courses in Theology:

Course Code	Name of the Course	Credits	Prerequisite
BIBL 116	Elementary Greek I	3	None
BIBL 126	Elementary Greek II	3	Elementary Greek I
BIBL 136	Intermediate Greek I	3	Elementary Greek II
BIBL 213	Intermediate Greek II	3	Intermediate Greek I
BIBL 134	Biblical Hebrew I	3	None
BIBL 212	Biblical Hebrew II	3	Biblical Hebrew I
RELB 213	Principles of Church Growth	3	None
RELB 314	Pentateuch	3	Hebrew I
RELB 313	Studies in Revelation	3	Intermediate Greek IV
RELB 224	Acts and Epistles I	3	Elementary Greek II
RELB 317	Acts and Epistles II	3	Acts and Epistles I
RELB 223	Studies in Gospels	3	Elementary Greek I
RELB 216	Introduction to Old Testament	3	None
RELB 328	Prophetic Books of Old Testament	3	Pentateuch
RELB 324	Historical Books of Old Testament	2	Pentateuch
RELB 231	Studies in Daniel	3	Hebrew II
RELB 323	Exegesis of New Testament	3	Intermediate Greek IV
RELG 227	Worship, Music and Liturgy	2	None

RELH 226	Prophetic Ministry of E.G.White	2	None
RELH 117	History of Christian Church	2	None
RELH 215	History of SDA	2	History of Christian Church
RELH 312	History of Christian Church in Africa	2	History of Christian Church
RELP 127	Pastoral Counseling	2	None
RELP 222	Homiletics	3	None
RELP 225	Foundations of Youth Ministry	3	None
RELP 232	Church Leadership and Administration	3	None
RELP 332	Ministerial Practicum	4	
RELP 326	Literature Evangelism	3	None
RELP 316	Marriage and Family	2	None
RELP 325	Religious Research Methods	2	
RELP 331	Research Project	4	
RELT 327	Biblical Hermeneutics	3	None
RELT 217	Comparative Religions	2	None
RELT 123	SDA Doctrines	3	None
RELT 315	African Traditional Religions	2	None
RELT 214	Christian Stewardship and Self-reliance	2	None
RELT 321	Christian Ethics	2	None

RELP 124	Personal and Public Evangelism	3	None
RELT 311	Biblical Spirituality	3	None
	TOTAL	104	

10.1. DESCRIPTION OF CORE/PROFESSIONAL COURSES OF THE FACULTY OF THEOLOGY

BIBL 116 Elementary Greek I

3 Credits

This course begins the sequence on the mastery of the basic forms of New Testament Greek, alphabets and grammar, syntax and vocabulary.

BIBL 126 Elementary Greek II

3Credits

The course continues the exploration and mastery of the basic forms of New Testament Greek, syntax and vocabulary. Various readings and translations of selected portions of Greek New Testament are done. Prerequisite BIBL 116

BIBL 136 Intermediate Greek I

3 Credits

The course is a continuation of the exploration and mastery of the analysis of grammar and forms of the Greek New Testament. Students are expected to undertake reading and exercise of various passages in the New Testament. Prerequisite BIBL 126

BIBL 213 Intermediate Greek II

3 Credits

This course is the continuation of the exploration and mastery of the analysis of grammar and forms of the Greek New Testament. In this course, the student is required to submit an exegesis paper on a selected passage from the New Testament. Prerequisite BIBL 136

BIBL 134 Biblical Hebrew I**3 Credits**

The course introduces the phonology of the Hebrew on which the students must master and the basics of Hebrew morphology. The phonology of the Hebrew is to be mastered and the students are introduced to the basic morphology of Hebrew substantives. They begin to learn Hebrew vocabulary.

BIBL 212 Biblical Hebrew II**3 Credits**

In this course, the students are expected to complete the introductory study of the Hebrew verb forms, and to write an exegesis paper on selected prose portions of the Hebrew Bible. Prerequisite BIBL134

RELB 314 Pentateuch**3 Credits**

The course deals with an introduction and exegetic of the firsts books of the Old Testament. It deals with the origin, the historical background and the interpretation of the Pentateuch (creation and evolution, the sanctuary, and the covenant) BIBL 212

RELB 216 Introduction to Old Testament**3 Credits**

The course surveys the basic ideas as expressed in the Old Testament as an introductory message.

RELB 323 Exegesis of New Testament**3 Credits**

The course surveys the basic ideas as expressed in the New Testament as an introductory message. BIBL 213

RELB 324 Historical Books of Old Testament**3 Credits**

This course is an Introductory and exegetical study of the Old Testament books. The History of the people of Israel from the conquest of Canaan to their return from Babylon exile and the reconstruction of Jerusalem are also dealt with. RELB 314

RELB 327 Biblical Hermeneutics**3 Credits**

This course studies the hermeneutical principles appropriate for the interpretation of biblical text. Issues arising out of an Afrocentric reading of the scripture will also be discussed. RELB 417

RELB 328 Prophetic Books of the Old Testament**3Credits**

The course includes the history of the prophecy, the pre-writing prophetic figures and the books of the writing prophets of the 8th and early 7th century B.C. RELB 314.

RELB 313 Studies in Revelation**3 Credits**

The course deals with the content, construction and interpretation of the imagery and symbols of the book of revelation. BIBL 213

RELB 231 Studies in Daniel**3 Credits**

The course deals with the content, construction and interpretation of the imagery and symbols of the book of Daniel. Special attention is given to the books' apocalyptic nature. BIBL 212; RELB 328

RELB 224 Acts and Epistles I**3 Credits**

The course is an introduction to the principles of New Testament interpretation followed by a study of Acts and the early Pauline Epistles. Prerequisite. BIBL 116.

RELB 317 Acts and Epistles II**3 Credits**

The course provides for studies in later Pauline Epistles, from Romans to the Pastoral Epistles, followed by an introduction to Hebrews and the General Epistles. Prerequisite RELB 224

RELB 223 Studies in Gospels**3 Credits**

The course studies the formation of Gospels, the comparative analysis of synoptic of John, and characteristics of each Gospel. The course deals with parables and miracles.

RELH 117 History of the Christian Church**2 Credits**

The course surveys the history of the Christian religion from its beginning, around AD 1. The focus starts from its apostolic origins to the dawn of the protestant reformation. An attempt is made to emphasize the contribution made by the early African Church fathers. The course continues and especially begins with the period of the Protestant Reformation to the rise of modern denominations and the development of the ecumenical movement.

It deals with the history of Christian church from the renaissance to modern times, the Protestantism reformation in Europe and the situation of the different church groups.

RELH 312 History of the Christian Church in Africa**2 Credits**

The course deals with the evangelization of Africa, and the development of the Church in Africa during the 19th and 20th centuries.

RELH 215 History of Seventh - day Adventist Church**2 Credits**

The course introduces the student with the History of the Seventh-day Adventist Church from the Millerite Movement, in which it had its birth, to the present. The history of the church in the country has to be included.

RELP 225 Foundations of Youth Ministry**3 Credits**

The course presents various philosophical views of reality, knowledge, learning, attitude and life from a Christian perspective. The course assists the students to identify a linkage between people's knowledge of reality, concepts of reality, life and attitude that influence learning and development pattern. The course presents the study of the early childhood psychology and various practical aspects of training the Adventist youth in evangelism and practical life, like organizing camps, and different professions. The course should include a chapter of the Developmental Psychology.

RELP 412 Principles of Church Growth**3Credits**

The course introduces the students to the foundation and principles of church growth. It guides the students to understand the meaning and concepts of church growth. It deals with concepts such as meaning of church growth, causes of church growth and hindrance of church growth.

RELP 315 Personal and public Evangelism**3 Credit**

The course introduces the student the theory of personal and public evangelism, the use of technology and social media in evangelism. Skills on how to reach disabled people will be also introduced. A field component is offered off-campus in collaboration with national church organization.

RELP 222 Homiletics**3 Credits**

The course introduces the students to the study of the art of preaching and preparation of sermons. Emphasis is placed on the art and craft of preaching, the recognition and delivery of various forms of sermons. In addition, classroom preaching and preaching for specific occasions will be carried out.

RELP 226 Prophetic Ministries of Ellen G. White**2 Credits**

The course studies the nature, history and teaching of the writings of Ellen G. White and the principles that govern their interpretation.

RELP 232 Church Leadership and Administration**3 Credits**

The course provides the students with various theories of leadership and planning and therefore acquaints and equips the student with what is involved in regulating day to day church administration and implementation of church policies.

RELP 127 Pastoral Counseling**2Credits**

The course provides the students with the study of the pastor as a counselor. Different types of current theories of counseling will be surveyed, along with skills and practices carried out within the context of pastor's counseling. The course deals with the concrete cases and practices carried out within the classroom in order to develop and sharpen the counseling techniques and skills needed for effective pastoral counseling within an African context.

RELP 227 Worship, Music and Liturgy**2 Credits**

This course introduces students to the theological and practical elements of church worship and church music. The purpose of this course is to prepare students to be able to design and implement participatory Sabbath worship services, prayer meeting services and other services. It traces the roots of current worship practices and music practices in the contemporary Christian church. It assists students to get basic knowledge in reading staff notation tonic solfa, and conducting of hymns.

RELT 416 Christian Ethics**2 Credits**

This course describes the basic principles of Christian ethics as derived from the knowledge of God. It further focuses on application to personal and social-political problems as it relates to the ongoing life and work of the Church in Africa.

RELT 217 Comparative Religion**2 Credits**

The course introduces the student to the study of the major religions of the world, namely: Hinduism, Buddhism, Confucianism, Judaism, Christianity, Islam and African Traditional Religion. The course surveys the beliefs and practices as they are taught and observed. The emphasis is on how the teachings, beliefs and practices are manifested in Africa.

RELT 126 Christian Stewardship and Self Reliance**2Credits**

The course views stewardship and self-living as an integral part of living. It exposes the contribution of these concepts as able to make an individual's lifestyles and express the biblical principles that underpin them.

RELP 332 Ministerial Practicum**4 credits**

The student is assigned one SDA church in the area for practical duties supervised by a qualified district leader. He/She will be involved in all church activities like Sabbath school teaching, catering for children, plan for divine service, prepare and deliver sermons, catering for the youth, plan and conducting church meetings. The student will also be introduced to the administration of the district (all administrative documents). The student is expected to prepare a written report under the direction of the supervisor.

RELP 331 Research Project (Memoire)**6 Credits**

This course deals with a research problem that a student develops while taking classes at AUCA. The problem is approved by the Faculty of Theology. After approval, the student writes the introduction, reviews the literature related to the topic, writes the methodology in which the student shows how the data will be collected, collects the data, analyzes and interprets results and then gives appropriate conclusions and recommendations. This course is taken towards the end of the study.

RELT 123 SDA Doctrines**3Credits**

Systematic study of general Doctrines of the Christian Church Adventist perspective: the Doctrines of God (revelation, inspiration, creation, the Sabbath), the Doctrines of man (from the image of God, the fall, the ethical / moral destiny), and the Doctrines of Christ (incarnation, nature, and office).

RELP 326 Literature Evangelism**3 Credits**

Theory and practice of Literature Evangelism. The student is required to engage in supervised practical literature evangelism for at least three months or 350 contact hours. This will be done under the local Conference and Rwanda Union Mission.

RELT 315 African Traditional Religions**2 Credits**

The course gives the student opportunity to understand the beliefs and practices that are found in the many African Traditional Religions. It emphasizes the religious beliefs that encompass the totality of life in an African community.

RELT 311 Biblical Spirituality**3 credits**

This course invites students to delve into the lives, contexts, beliefs, texts, and spiritual practices of notable Christian men and women during the first 1500 years of Christianity. It discusses in an open yet critical way a range of classic Christian spiritual texts from the Bible. Goals of the course include a) knowledge and appreciation of the general contours of Christian spirituality. b) an understanding of the range of methodological issues related to the study of

the history of Christian spirituality; substantive knowledge about how to read select primary texts; c) an understanding of how social, ecclesial, political, and economic contexts affected spirituality in each era; d) the ability to discern the strengths and weaknesses of this tradition and to identify which elements are no longer relevant and which should be creatively and critically appropriated for our own time. A secondary goal is to allow students to reflect on their own spiritual paths in light of this tradition.

RELP 316 Marriage and Family

2 Credits

This course explores the purpose for which God instituted the marriage institution and seeks to help the student to understand the fundamentals of marriage and the family, including the primary relationships which enhance man's basic need of love. It discusses the basics of family life, the cultural influences on the family, intimacy in marriage, conflict management in the family, and parent-child relationship, among other concepts. Special emphasis is placed on the Christian home in an African context.

10.1.1. Theology - 4 Years Full Time Programme

YEAR ONE SEMESTER 1

Course Code	Course name	Credits	Theory	Practice	SDL	Total
ENGL 114	English Grammar	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
RELH 117	History of Christian Church	2	20	10	60	90
EDRM 113	Study and Research Methods	2	20	10	60	90
BIBL 116	Elementary Greek I	3	20	10	60	90
INSY 116	Micro Computer Application	3	30	15	90	135
	Total	18	170	85	510	765

*1 hour theoretical class will be 2 hours self- study.

YEAR ONE SEMESTER 2

Course Code	Course name	Credits	Theory	Practice	SDL	Total
RELP 124	Personal and Public Evangelism	3	30	15	90	135
RELP 127	Pastoral Counseling	2	20	10	60	90
HELT 123	Health Principles	2	20	10	60	90
ENGL 122	English Writing Skills	3	30	15	90	135
BIBL 126	Elementary Greek II	3	30	15	90	135
RELT 123	Bible Doctrines	3	30	15	90	135
STAT 121	Descriptive Statistics	3	30	15	90	135
	Total	19	190	95	570	855

YEAR TWO SEMESTER 1

Course Code	Course Names	Credits	Theory	Practice	SDL	Total
ENGL 219	English Speaking Skills	3	30	15	90	135
BIBL 136	Intermediate Greek I	3	30	15	90	135
BIBL 134	Biblical Hebrew I	3	30	15	90	135
RELT 214	Christian Stewardship and self-reliance	2	20	10	60	90
RELH 215	History of SDA	2	20	10	60	90

RELB 216	Introduction to Old Testament	3	30	15	90	135
RELP 217	Comparative Religions	2	20	10	60	90
	Total	18	180	90	540	810

YEAR TWO SEMESTER 2

Course Code	Course Name	Credits	Theory	Practice	SDL	Total
ENGL 227	English Phonology	3	30	15	90	135
BIBL 212	Biblical Hebrew II	3	30	15	90	135
BIBL 213	Intermediate Greek II	3	30	15	90	135
RELT 221	Philosophy Science and Religion	2	20	10	60	90
RELP 222	Homiletics	3	30	15	90	135
RELH 226	Prophetic Ministry of E.G. White	2	20	10	60	90
RELG 227	Worship, Music and Liturgy	2	20	10	60	90
	Total	18	180	90	540	810

YEAR THREE SEMESTER 1

Course Code	Course Name	Credits	Theory	Practice	SDL	Total
RELB 231	Studies in Daniel	3	30	15	90	135
RELB 223	Studies in Gospels	3	30	15	90	135
RELB 224	Acts and Epistles I	3	30	15	90	135
RELP 213	Principles of Church Growth	3	30	15	90	135
RELP 225	Foundations of Youth Ministry	3	30	15	90	135
RELT 311	Biblical Spirituality	3	30	15	90	135
	TOTAL	18	180	90	540	810

YEAR THREE SEMESTER 2

Course Code	Course Name	Credits	Theory	Practice	SDL	Total
RELP 232	Church Leadership and Administration	3	20	10	60	90
RELH 313	Studies in Revelation	3	30	15	90	135
RELH 312	History of Christian Church in Africa	2	20	10	60	90
RELP 314	Pentateuch	3	30	15	90	135

RELT 315	African Traditional Religions	2	20	10	60	90
RELP 316	Marriage and Family	2	20	10	60	90
RELB 317	Acts and Epistles II	3	30	15	90	135
	TOTAL	18	170	85	510	765

YEAR FOUR SEMESTER 1

Course Code	Course Name	Credits	Theory	Practice	SDL	Total
RELT 321	Christian Ethic	2	20	10	60	90
RELB 324	Historical Books of OT	3	20	10	60	90
RELB 323	Exegesis of the NT	3	30	15	90	135
RELP 325	Religious Research Method	2	20	10	60	90
RELP 326	Literature Evangelism	3	30	15	90	135
RELT327	Biblical Hermeneutics	3	30	15	90	135
RELB 328	Prophetic Books of Old Testament	3	30	15	90	135
	Total	19	210	105	570	810

YEAR FOUR SEMESTER 2

Course Code	Course Name	Credits	Theory	Practice	SDL	TOT
RELP 331	Research Project	4	30	15	120	180
RELP 332	Ministerial Practicum	4	30	15	120	180
	Total	8	60	30	240	360

10.1.2. Theology - 3 Years with Summer Full Time Programme

YEAR ONE SEMESTER 1

Course Code	Course name	Credits	Theory	Practice	SDL	Total
ENGL 114	English Grammar	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
RELH 117	History of Christian Church	2	20	10	60	90
EDRM 113	Study and Research Methods	2	20	10	60	90
BIBL 116	Elementary Greek I	2	20	10	60	90
INSY 116	Micro Computer Application	3	30	15	90	135
	Total	17	170	85	510	765

*1 hour theoretical class will be 2 hours self- study.

YEAR ONE SEMESTER 2

Course Code	Course name	Credits	Theory	Practice	SDL	Total
RELP 124	Personal and Public Evangelism	3	30	15	90	135
RELP 127	Pastoral Counseling	2	20	10	60	90
HELT 123	Health Principles	2	20	10	60	90

ENGL 122	English Writing Skills	3	30	15	90	135
BIBL 126	Elementary Greek II	3	30	15	90	135
RELT 123	Bible Doctrines	3	30	15	90	135
STAT 121	Descriptive Statistics	3	30	15	90	135
	Total	19	190	95	570	855

YEAR ONE SUMMER SEMESTER

Course Code	Course Names	Credits	Theory	Practice	SDL	Total
ENGL 219	English Speaking Skills	3	30	15	90	135
BIBL 136	Intermediate Greek I	3	30	15	90	135
BIBL 134	Biblical Hebrew I	3	30	15	90	135
	Total	9	90	45	270	405

YEAR TWO SEMESTER 1

Course Code	Course Name	Credits	Theory	Practice	SDL	Total
ENGL 227	English Phonology	3	30	15	90	135
BIBL 212	Biblical Hebrew II	3	30	15	90	135

BIBL 213	Intermediate Greek II	3	30	15	90	135
RELT 214	Christian Stewardship and self- reliance	2	20	10	60	90
RELH 215	History of SDA	2	20	10	60	90
RELB 216	Introduction to Old Testament	3	30	15	90	135
RELT 217	Comparative Religions	3	30	15	90	135
	Total	19	190	95	570	855

YEAR TWO SEMESTER 2

Course Code	Course Name	Credits	Theory	Practice	SDL	Total
RELT 221	Philosophy Science and Religion	2	20	10	60	90
RELP 222	Homiletics	3	30	15	90	135
RELB 223	Studies in Gospels	3	30	15	90	135
RELB 224	Acts and Epistles I	3	30	15	90	135
RELH 226	Prophetic Ministry of EG White	2	20	10	60	90
RELP 225	Foundations of Youth Ministry	3	30	15	90	135
RELG 227	Worship, Music and Liturgy	2	20	10	60	90
	Total	18	180	90	540	810

Note: Issuance of A1 (exit award) on request.

YEAR TWO SUMMER SEMESTER

Course Code	Course Name	Credits	Theory	Practice	SDL	Total
RELB 231	Studies in Daniel	3	30	15	90	135
RELP 232	Church Leadership and Administration	3	30	15	90	135
RELP 213	Principles of Church Growth	3	30	15	90	135
	Total	9	90	45	270	485

YEAR THREE SEMESTER 1

Course Code	Course Name	Credits	Theory	Practice	SDL	Total
RELT 311	Biblical Spirituality	3	30	15	90	135
RELH 313	Studies in Revelation	3	30	15	90	135
RELH 312	History of Christian Church in Africa	2	20	10	60	90
RELP 314	Pentateuch	3	30	15	90	135
RELT 315	African Traditional Religions	2	20	10	60	90
RELP 316	Marriage and Family	2	20	10	60	90
RELB 317	Acts and Epistles II	3	30	15	90	135
	Total	18	180	90	540	720

YEAR THREE SEMESTER 2

Course Code	Course Name	Credits	Theory	Practice	SDL	Total
RELT 321	Christian Ethic	2	20	10	60	90
RELB 324	Historical Books of OT	2	20	10	60	90
RELB 323	Exegesis of the NT	3	30	15	90	135
RELP 325	Religious Research Method	2	20	10	60	90
RELP 326	Literature Evangelism	2	20	10	60	90
RELT327	Biblical Hermeneutics	3	30	15	90	135
RELB 328	Prophetic Books of Old Testament	3	30	15	90	135
	Total	17	190	95	578	855

YEAR THREE SUMMER SEMESTER

Course Code	Course Name	Credits	Theory	Practice	SDL	Total
RELP 331	Research Project	4	30	15	120	180
RELP 332	Ministerial Practicum	4	30	15	120	180
	Total	8	60	30	240	360

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