



Adventist University of Central Africa

P.O. Box 2461 Kigali, Rwanda | www.auca.ac.rw | info@auca.ac.rw

2021-2025

Bulletin

Masoro Hill, City of Kigali

PO Box 2461, Kigali Rwanda

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Vice Chancellor's Address

On behalf of the University Council, the administration, faculty, and staff of the Adventist University of Central Africa (AUCA) I welcome you to our institution. We are glad you chose to study here. Whatever may be your career pathway or goal in life I would like you to know that the journey to excellence begins here.

While there are several other higher educational institutions with the objective of training students for work opportunities in industry, you need to know that AUCA was established to do much more than this. Besides preparation for a lifetime of committed service to God, the nation, and community on earth, AUCA, seeks to also prepare its students for eternity.

In almost four decades of her existence in the great country of Rwanda, AUCA has built a solid reputation for training committed, competent, alumni who are serving in important sectors of the government and internationally. This tradition for seeking excellence provides each student with the AUCA advantage as you undertake your studies here and graduate into the world of work

In this Christian environment conducive to enable you become the best that God designed you for, we believe that you shall discover and deploy latent creative abilities to excel in your chosen field of study. We are confident that these vital years in your life's journey shall be for you memorable and pleasant.

Welcome to AUCA!

Prof Kelvin Onongha

President/Vice Chancellor,

Adventist University of Central Africa (AUCA)

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 three departments: Accounting, Management, and Finance
- Faculty of Science in Information Technology, with three departments: Information Management, Networking & Communication Systems, and Software Engineering
- Faculty of Education, with seven departments: Educational Psychology, Languages, Religious Studies, Business Accounting, Computer Science, Economics, and Mathematics
- 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 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 God is the main aim of the Christian Education that leads students to discover and understand the truth through critical thinking.

MISSION

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

VISION

By 2020 AUCA shall be a well-known center of academic excellence in undergraduate and graduate programs. Quality shall be the hallmark of all its undertaking including research and services delivery to its students, faculty, staff and the community at large.

BELIEFS AND VALUES

AUCA is a Seventh-day Adventist institution of higher learning that nurtures the mental, spiritual, social and physical capacities of its personnel and students. The values of the University are rooted in the Bible and should be seen in the daily activities of the university administrators, workers, and students.

Through a process of discernment based on dialogue, critical thinking, and reflection, university designates the following as core beliefs and values of AUCA:

1. *Faith*: AUCA is a faith based institution of higher learning. The faith nurtured in the institution is rooted in the teachings of Jesus Christ and in the 28 beliefs of the Seventh-day Adventist Church. While other religious traditions and individual beliefs of our personnel and students are respected, the university administration and faculties are expected to integrate a biblical, Seventh-day Adventist faith into learning activities of the students.

2. Excellence: As a faith based institution of higher learning, AUCA seeks to combine faith with reason in the pursuit of academic excellence. AUCA Senate and Administration call all members of the university community to excel as individuals and as professionals within their specific roles.

3. Integrity: Concerned for the good of the community in this life and the life to come is the University goal as it commits itself to honesty in all relations with students, faculty, staff and administration. Through the University integrity, workers and students earn and maintain the trust of the surrounding community, public, and governmental agencies.

4. Community: Informed by the example of Jesus Christ, and by the fundamental beliefs of the Seventh-day Adventist Church AUCA demonstrates a spirit of unity and connectedness with one another through expression, courtesy, hospitality, shared values and loving communication without respect to ethnic, gender, or other differences. AUCA extends this value of community by reaching out to neighbors and to members of the larger civil and ecclesial communities.

5. Respect: AUCA values and respects the contribution of each member of the university community to the advancement of the mission of AUCA. AUCA encourages and supports each other as colleagues working together for the good of the whole institution.

6. Compassion & Care: Inspired by the example of Jesus Christ AUCA opens its workers and students' hearts to those in physical, spiritual and mental need. AUCA consciously reaches out beyond its boundaries to serve others in need with compassion and mercy.

7. Fairness and Justice: recognizing the dignity of all persons (students, staff, teachers and administrators) AUCA seeks to avoid any acts of injustice toward each other and addresses instances of injustice both within and outside of the university community from a stance of informed advocacy. AUCA holds each other accountable and endeavors to practice responsible stewardship of the resources available to us.

CUSTOMER & STAKEHOLDERS SERVICE

At AUCA, it is our fundamental philosophy that the client and the stakeholders are the most valuable assets. To satisfy these persons, AUCA has intelligently identified and will continue to scan the educational programs that are market driven, competency-based, and customer oriented. In light of this, AUCA has established a unique culture of symbiotic relationships with other universities, staff, the community, the general public, and all development agencies both within Rwanda and outside Rwanda, to benefit the people.

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. Develop its students to become useful members of the society, empowered not only with intellectual skills but also with a well-developed moral character.
2. Focus 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. Inculcate into its students the desire for a life style of a balanced-Bible based diet, principles of hygiene and physical exercises.
4. Motivate 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. Frame individuals to become better researchers with independent critical thinking and judgment so that they become developers of knowledge.
6. Provide 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. Instill in students the appreciation of the dignity of work as a blessing for themselves, the service of AUCA, and the community.

ACADEMIC INFORMATION

a. ACADEMIC PROGRAMMES AND AWARDED DEGREES

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 an Undergraduate and Graduate degrees. Currently AUCA has five faculties, which are divided into departments.

- Undergraduate Programmes

Faculty	Department	Awarded degree
Faculty of Business Administration	Accounting	Bachelor of Business Administration major in Accounting
	Management	Bachelor of Business Administration major in Management
	Finance	Bachelor of Business Administration major in Finance
	Marketing	Bachelor of Business Administration major in Marketing
Faculty of Information Technology	Information Management	Bachelor of Science in Information Technology major in Information Management
	Networks and Communication Systems	Bachelor of Science in Information Technology major in Networks and Communication Systems
	Software Engineering	Bachelor of Science in Information Technology major in Software Engineering
Faculty of Education	Educational Psychology	Bachelor of Education major in Educational Psychology
	English Language and Literature	Bachelor of Education major in English Language and Literature
	Accounting	Bachelor of Education major in Accounting
	Information Technology	Bachelor of Education major in Information Technology
	Mathematics	Bachelor of Education major in Mathematics
	Geography	Bachelor of Education major in Geography
Faculty of Theology	Theology	Bachelor of Theology
Faculty of Nursing and Midwifery	Nursing	Bachelor of Science in Nursing

	Midwifery	Bachelor of Science in Midwifery
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- **Graduate Programmes**

Faculty	Department	Awarded degree
Faculty of Business Administration	Accounting	Master of Business Administration in Accounting
	Management	Master of Business Administration in Management
	Finance	Master of Business Administration in Finance
	Human Resource Management	Master of Business Administration in Human resource Management
Faculty of Education	Educational Administration	Master of Education in Educational Administration

b. ACADEMIC CALENDAR

AUCA's academic year of is made up of two (2) regular semesters of 15 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.

c. PROGRAM DURATION

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 three academic years of two regular semesters and the summer each.

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. Maximum duration for graduate studies to be completed is four years.

GENERAL ACADEMIC REGULATIONS

a. ADMISSIONS

Students are recruited from A Level secondary school leavers and applicants from other accredited institutions of higher learning.

The applicant must submit the following documents:

- i. A fully completed and signed application form, which may be obtained from the Registrar's Office or downloaded from AUCA website.
- ii. 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)
- iii. Two recent passport size photographs.
- iv. A copy of the national ID card or passport.
- v. A payment slip of the application fee (non-refundable).
- vi. A copy of valid health insurance.
- vii. 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.

b. 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.

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.

New and returning student:

1. Attend orientation and consult with the faculty Dean or Head of Department for course selection
2. Select courses online considering the prerequisites and advice from Dean or HOD.
3. 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).
4. Present the 3 registration forms to the Faculty for approval
5. Pay the tuition fees at the bank.
6. Present the bank payment slip and the 3 copies of the registration form to the accounting office and get the receipt.
7. Get class cards
8. Attend classes (attendance is mandatory)
9. 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.

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. If the student is repeating a passed course, previous grade will be ignored and repeated (second) grade will be considered on transcript calculations.

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

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.

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.

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.

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. The programme.

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 equivalent to AUCA. However for a graduate from AUCA who changes faculty, courses passed with 10/20 may be transferred.

Note: Transferred grades 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 3 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 3 years shall be considered as a dismissed student and may be readmitted as a new student.

c. CLASS ATTENDANCE (FULL TIME AND PART TIME PROGRAM)

Attending classes is mandatory, a student will be allowed to sit for final exam if he/she has scored an attendance of 75% face to face teaching. Failing to attend, the student whole semester will be void and will have to repeat all courses.

d. GRADING SYSTEM (GRADES SCALES)

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

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 – 2.7

e. EXAMINATION AND EVALUATION PROCEDURE

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

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 accessed by the students before they can register for the next semester.

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) when the next course is taken.

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.

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.

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

f. GRADUATION

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.

Or 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.

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.

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.

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.

g. Course credit hour information

Adventist University of Central Africa uses semester credit system according to international convention for the undergraduate program except Nursing and Medical School. One semester credit hour is earned through academic work during a period of

fifteen weeks; averaging three hours per week in undergraduate courses and eight hours per week in graduate courses, the academic work includes:

1. A minimum of 3 hours per week and per course of direct faculty-student contact;
and
2. Out-of-class student work during the remaining time of 6 hours.

An equivalent total amount of academic work is also required in activities such as laboratory, independent study, practicum, studio, distance, distributed, tours and other learning modalities.

ACADEMIC PROGRAMS

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: 26 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 115	General English	3	None
RELB 116	Introduction to Bible Study	2	None
STAT 122	Descriptive Statistics	3	None
ENGL 124	Academic English Writing	3	General English
INSY 118	Micro Computer Application	3	None
RELT 123	Bible Doctrines	3	Introduction to Bible Study
HELT 213	Health Principles	2	None
RELT 221	Philosophy, Science and Religion	2	None
TOTAL		26	

Description of General Education Courses

ACCT 112 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).

INSY 118 Introduction to Computer Applications 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 115 General English 3 credits

The module of General English aims to achieve a high standard of everyday English communication skills. It covers the four main skills of listening, speaking, reading and writing. It reviews 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. The module also looks at the communication skills in line with interpersonal communication skills, active listening, presentation, and pronunciation skills in use.

ENGL 124 Academic English Writing 3 credits

The module of Academic English Writing is designed to introduce students to academic study skills. It helps students develop academic writing skills. Emphasis will be on sentence construction, paragraph development using methods, punctuation and capitalization, and essay writing, and research project writing. Four main kinds of approaches to composition will be taught: narrative, descriptive, epistolary, and persuasive. The student will also practice writing précis, summary, reading reports, and letters. *Prerequisite: ENGL 115 General English*

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. Prerequisite: *MATH 111. This prerequisite concerns Business Administration students only. And Prerequisite: AMAT 111 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). *Prerequisite: RELB 116 Introduction to bible*

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.

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.

Exit profile and Competencies

Exit Profile

The AUCA Bachelor's Degree of the Faculty of Business Administration aims to nurture transformational learning for business leaders. Courses are designed to engage physically, mentally and spiritually in service in the service of this life, and the life to come. Through knowledge, as well as action and reflection, we build our students' capacity to lead, innovate and flourish. The AUCA Bachelor's Degree of the Faculty of Business Administration enables students to gain core and majors knowledge of subjects fundamental to accounting, management, finance and marketing and develop analytical skills that are indispensable in problem solving and decision making and gain insights into the changing business, economics, social and political environments that affect the commercial world. The AUCA Bachelor's Degree of the Faculty of Business Administration graduate with either:

- Bachelor's Degree of Business Administration with a major in Accounting
- Bachelor's Degree of Business Administration with a major in Management
- Bachelor's Degree of Business Administration with a major in Finance
- Bachelor's Degree of Business Administration with a major in Marketing

Competencies

A graduate of Bachelor's Degree of Business Administration with a major in Accounting may become a CEO, financial manager of public or private company, accountant, public accountant, management accountant, internal auditor or external auditor,

inventory manager, operations manager, a strategic planner, financial analyst, purchasing officer, procurement manager etc...

A graduate of Bachelor's Degree of Business Administration with a major in Management may become a CEO, Business Consultant, project manager, Bookkeeping, accounting and auditing clerks, Administrator or Administrative assistant, Sales associate, Customer service associate, Personal banker, insurance company manager, bank manager, inventory manager, operations manager, a strategic planner, purchasing officer, procurement manager, logistician, real estate appraiser, buyer or purchasing agent, compensation and benefits analyst, insurance underwriter, labor relations specialist etc...

A graduate of Bachelor's Degree of Business Administration with a major in Finance may become a CEO, Investment bankers, Financial analysts, Stockbroker, Personal financial advisor, Budget analyst, Loan officer, Insurance underwriter, Venture capitalist, Commercial banker, Financial manager etc...

A graduate of Bachelor's Degree of Business Administration with a major in Finance may become a CEO, sales person or manager, customer relations manager, purchasing/procurement manager, Retailing person/manager, Brand manager Market researcher, Advertising officer, digital marketer 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	26
Core (Professional) Courses in Business Administration	75
<u>Major (Concentration)</u>	<u>36</u>

LIST OF CORE (PROFESIONAL) COURSES IN BUSINESS ADMINISTRATION

Course Code	Course Name	Credits	Prerequisite
MATH 112	General Mathematics	3	None
MGMT124	Principles of Management	3	None
MATH 121	Business Mathematics	3	General Mathematics
ACCT 125	Principles of Accounting II	3	Principles of Accounting I
ECON 126	Microeconomics	3	None
BSAD 214	Business Law	3	None
STAT 215	Inferential Statistics in business administration	3	Descriptive Statistics
ACCT 214	Intermediate Accounting I	3	Principles of Accounting II
ECON 216	Macroeconomics	3	Microeconomics
MKTG 225	Principles of Marketing	3	None
INSY 226	Management Information System	3	Introduction to Computer Applications, Principles of Management
BSAD 228	Business Communication	3	Academic English Writing
BSAD 224	Company Law	3	Business Law
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	Study and research Methods and Inferential Statistics
BSAD 324	Financial Management	3	Intermediate Accounting I
INAT 413	Internship	4	100 credits
BSAD 415	Production and Operations Management	3	Managerial Accounting
MGMT 418	Procurement management	3	Company Law
BSAD 420	Business Ethics	2	100 credits
BSAD 423	Strategic Management	3	Financial Management
BSAD 427	Research Project	6	Business Research Methods and Internship
Total		75	

Description of Core Courses**MATH 112 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.

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.

MATH 121 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 112 General Mathematics*

ACCT 125 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 Principal of Accounting I*

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 Principle of Accounting II*

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 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.

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 Microeconomics*

BSAD 214 Business Law**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 118 Introduction to Computer applications and MGMT 124 Principle of Management.*

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: BSAD 215 Principles of Management*

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. *Prerequisite: EDRM 113 Study and Research Method and STAT 215 Inferential Statistics in Business Administration*

INAT 413 Internship 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

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: BSAD 224 Company Law*

BSAD 420 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 Completed*

BSAD 427 Research Project 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: BSAD 322 Business Research Methods and Internship*

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 Financial Management*

DEPARTMENT OF ACCOUNTING

DEGREE: BACHELOR OF BUSINESS ADMINISTRATION IN ACCOUNTING

Summary of Courses

General Education	26
Core (Professional) Courses in Business Administration	75
Major (Concentration)	36
TOTAL OF CREDITS	137

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)

Description of Major Courses in Accounting

Course Code	Course Title	Credits	Pre-requisite
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 311	Taxation I	3	Business Law
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
ACCT 415	Forensic Accounting	3	Advanced Accounting I
ACCT 322	Taxation II	3	Taxation I
Total		36	

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 Intermediate Accounting I*

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 314 Managerial Accounting*

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 Intermediate Accounting II*

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 Advanced Accounting I*

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 Intermediate Accounting II*

ACCT 311 Taxation I 3 credits

The subject covers theory of taxation, taxation of income of persons, capital deductions, tax-administration of income tax, administration of value added tax, administration of customs taxes and excise taxes, taxation of specific sources of income. *Prerequisite: BSAD 214 Business Law*

FINCE 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: ECON 216 Macroeconomics*

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 Advanced Accounting I*

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 Auditing I*

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 Intermediate Accounting II*

ACCT 322

Taxation II

3 credits

The course will cover advanced aspects of the taxation of business income, Taxation of Specialized activities, Tax investigation, Taxation of cross border activities, tax planning, tax system and policies, professional ethics in taxation and emergence trends in taxation.

Prerequisite: ACCT 311 Taxation I

ACCT 415

Forensic Accounting

3 Credits

This course explores the forensic accountant's role in today's economy. Topics covered include fraud detection and fraud investigation techniques, valuation of closely held businesses, lost profits analyses, and various types of litigation support services. Fundamental legal concepts governing expert witness testimony are also examined, and students are required to quantify economic damages in cases. By the end of the course students are able to understand both the pervasiveness and the causes of fraud and white-collar crime in our society, examine the types of fraud and fraud schemes that affect business enterprises, explore methods of fraud detection and prevention, and increase their ability to recognize potential fraudulent situations. *Prerequisite: ACCT 312 Advanced Accounting I*

Distribution of Courses by Semester and Exit award for full time students

FIRST YEAR

SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
MATH 112	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 115	General English	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
INSY 118	Introduction to Computer Applications	3	30	15	90	135

	Total	19	190	95	570	855
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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 121	Business Mathematics	3	30	15	90	135
ENGL 124	Academic English Writing	3	30	15	90	135
	Total	18	180	90	540	810

SUMMER COURSES OF 1ST ACADEMIC YEAR

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

SECOND YEAR

SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
HELT 213	Health Principles	2	10	20	60	90
BSAD 214	Business Law	3	30	15	90	135
INSY 226	Management Information Systems	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

SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
RELT 221	Philosophy, Science and Religion	2	10	20	60	90
BSAD 224	Company Law	3	30	15	90	135
BSAD 314	Entrepreneurship	3	30	15	90	135
BSAD 315	Human Resource Management	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

SUMMER COURSES OF 2nd ACADEMIC YEAR

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
ACCT 311	Taxation I	3	30	15	90	135
FNCE 316	Money and Banking	3	30	15	90	135
ACCT 324	Cost Accounting	3	30	15	90	135
	Total	9	90	45	270	405

THIRD YEAR

SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
BSAD 313	Managerial Accounting	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 322	Taxation II	3	30	15	90	135
INAT 413	Internship	4	0	45	90	135
	Total	18	150	120	540	810

SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
ACCT 415	Forensic Accounting	3	30	15	90	135
ACCT 411	Auditing I	3	30	15	90	135
BSAD 420	Business Ethics	2	10	20	60	90
MGMT 418	Procurement management	3	30	15	90	135
BSAD 415	Productions Operations Management	3	30	15	90	135
ACCT 416	Public Accounting	3	30	15	90	135
	Total	17	160	95	510	765

SUMMER COURSES OF 3rd ACADEMIC YEAR

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	6	30	60	180	270
	Total	12	90	90	360	540

Distribution of Courses by Semester and Exit award for part time students

FIRST YEAR

SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
MATH 112	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 115	General English	3	30	15	90	135
	Total	14	140	70	420	630

SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
RELB 116	Introduction to Bible Study	2	20	10	60	90
INSY 118	Introduction to Computer Applications	3	30	15	90	135
MATH 121	Business Mathematics	3	30	15	90	135
ACCT 125	Principles of Accounting II	3	30	15	90	135
STAT 122	Descriptive Statistics	3	30	15	90	135
	Total	14	140	70	420	630

SUMMER COURSES OF 1ST ACADEMIC YEAR

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
ECON 126	Microeconomics	3	30	15	90	135
RELT 123	Bible Doctrines	3	30	15	90	135
	Total	6	60	30	180	270

SECOND YEAR

SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
ACCT 214	Intermediate Accounting I	3	30	15	90	135
ENGL 124	Academic English Writing	3	30	15	90	135
STAT 215	Inferential Statistics in Business	3	30	15	90	135
ECON 216	Macroeconomics	3	30	15	90	135
HELT 213	Health Principles	2	20	10	60	90
	Total	14	140	70	420	630

SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
BSAD 214	Business Law	3	30	15	90	135

INSY 226	Management Information Systems	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	15	150	75	450	675

SUMMER COURSES OF 2nd ACADEMIC YEAR

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
BSAD 224	Company Law	3	30	15	90	135
	Total	5	50	25	150	225

THIRD YEAR

SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
BSAD 314	Entrepreneurship	3	30	15	90	135
BSAD 315	Human Resource Management	3	30	15	90	135
ACCT 312	Advanced Accounting I	3	30	15	90	135
ACCT 324	Cost Accounting	3	30	15	90	135
ACCT 311	Taxation I	3	30	15	90	135
	Total	15	150	75	450	675

SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
FNCE 316	Money and Banking	3	30	15	90	135
BSAD 313	Managerial Accounting	3	30	15	90	135
INSY 313	Accounting Software Application	3	30	15	90	135
ACCT 321	Advanced Accounting II	3	30	15	90	135
BSAD 324	Financial Management	3	30	15	90	135
	Total	15	150	75	450	675

SUMMER COURSES OF 3rd ACADEMIC YEAR

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
BSAD 322	Business Research Method	3	30	15	90	135
INAT 413	Internship	3	0	45	90	135
	Total	6	30	60	180	270

FOURTH YEAR

SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
BSAD 415	Productions Operations Management	3	30	15	90	135
ACCT 322	Taxation II	3	30	15	90	135
ACCT 411	Auditing I	3	30	15	90	135
BSAD 420	Business Ethics	2	20	10	60	90
MGMT 418	Procurement management	3	30	15	90	135
	Total	14	140	70	420	630

SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
ACCT 423	Forensic Accounting	3	30	15	90	135
ACCT 416	Public Accounting	3	30	15	90	135
ACCT 421	Auditing II	3	30	15	90	135
BSAD 423	Strategic Management	3	30	15	90	135
	Total	12	90	90	360	540

SUMMER COURSES OF 4th ACADEMIC YEAR

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

DEPARTMENT OF MANAGEMENT**DEGREE: BACHELOR OF BUSINESS ADMINISTRATION MAJOR IN MANAGEMENT**

Summary of Courses

General Education	26
Core (Professional) Courses in Business Administration	75
Major (Concentration)	36
TOTAL OF CREDITS	137

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)

Major Courses in Management

Course Code	Course Name	Credits	Pre-requisite
MGMT 224	Legal and Social Environment of Business	3	Business Law
FNCE 314	Investment Analysis	3	Intermediate of Accounting I
MGMT 317	Insurance Institutions Management	3	Legal and Social Environment of Business
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
MGMT 327	Performance Management	3	Principles of Management
MGMT 411	Business Organization and Management	3	Principles of Management
BSAD 414	Organizational Behavior	3	Human Resource Management
MGMT 421	Leadership	3	Human Resource Management
MGMT 325	Project Management	3	Intermediate Accounting I
MGMT 417	Total Quality Management	3	Principles of Management
Total		36	

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: BSAD 214 Business Law*

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: *MGMT 224 Legal and Social Environment of Business*

FNCE 314 Investment Analysis**3 credits**

The module Investment Analysis provides you insight into the decision making process that is involved with the buying and selling of financial assets(i.e. securities). The module addresses four main areas of interest: 1.the background against which investment decisions are taken, including the functioning of financial markets, 2. the main contemporary investment theories, 3. the valuation of stocks and bonds, and 4. portfolio management. The module provides you with a thorough understanding of capital markets, which belongs to the core knowledge base of finance professionals that either operate in a corporate environment, or at financial institutions. The module will relate to several concepts that are discussed in the courses International Financial Accounting, Financial Risk Management, and Behavioral Finance, which are also part of the minor International Finance and Control. Overall, these four courses present you the cornerstones of International Finance. *Prerequisite: ACCT 214 Intermediate Accounting I*

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: MGMT 124 Principles of Management*

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 214 Business Law*

MGMT 323 Change and Innovation Management 3 credits

This course is designed to provide students with the conceptual frameworks and an understanding of the best practices related to developing, implementing, and managing large and small scale change initiatives, both as an internal change agent and as an organizational development consultant. Content will include: The major theories and perspectives regarding organizational development, creativity and change management, the drivers and constraints on change in external and internal environments, change strategies and interventions, the dynamics, measures and complexity of executing change, Feedback, measuring and iteration processes, etc.... *Prerequisite: BSAD 314 Entrepreneurship*

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 Principle of Management*

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: BSAD 315 Human Resource Management

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: ECON 216 Macroeconomics

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 Human Resource Management

MGMT 325 Project Management 3 Credits

This course provides a systematic and thorough introduction to all aspects of project management. Projects are an increasingly important aspect of modern business. Therefore, the course underlines the importance of understanding the relation between projects and the strategic goals of the organisation. The course also discusses the technical, cultural, and interpersonal skills necessary to successfully manage projects from start to finish. It emphasises that project management is a professional discipline with its own tools, body of knowledge, and skills. Concepts are reinforced by case studies

covering a wide variety of project types and industries. *Prerequisite: ACCT 214 Intermediate Accounting I*

MGMT 417 Total Quality Management

3 Credits

Total quality management (TQM) is a philosophy, methodology and system of tools aimed to create and maintain mechanism of organization's continuous improvement. It involves all departments and employees into improvement of processes and products. It helps to reduce costs and to meet and exceed needs and expectations of customers and other stakeholders of an organization. TQM encompasses the concepts of business and social excellence that is sustainable approach to organization's competition, efficiency improvement, leadership and partnership. The objectives of this course is to introduce the main principles of business and social excellence, to generate knowledge and skills of students to use models and quality management methodology for the implementation of total quality management in any sphere of business and public sector. *Prerequisite: MGMT 124 Principle of Management*

Distribution of Courses by Semester and exit award for full time students

FIRST YEAR

SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
MATH 112	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 115	General English	3	30	15	90	135
RELB 116	Introduction to the Bible Study	2	10	20	60	90
INSY 118	Introduction to Computer Applications	3	30	15	90	135
	Total	19	170	115	570	855

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 121	Business Mathematics	3	30	15	90	135
ENGL 124	Academic English Writing	3	30	15	90	135
	Total	18	180	90	540	810

SUMMER COURSES OF 1ST ACADEMIC YEAR

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

SECOND YEAR

SEESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
HELT 213	Health Principles	2	10	20	60	90
BSAD 214	Business Law	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
INSY 226	Management Information System	3	30	15	90	135
BSAD 228	Business Communication	3	30	15	90	135
	Total	17	160	95	510	765

SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
RELT 221	Philosophy Science and Religion	2	10	20	60	90
BSAD 224	Company Law	3	30	15	90	135
BSAD 314	Entrepreneurship	3	30	15	90	135
BSAD 315	Human Resource Management	3	30	15	90	135
FNCE 314	Investment Analysis	3	30	15	90	135
MGMT 317	Insurance Institutions Management	3	30	15	90	135
	Total	17	160	95	510	765

SUMMER COURSES OF 2ND ACADEMIC YEAR

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
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ACCT 313	Managerial Accounting	3	30	15	90	135
MGMT 323	Change and Innovation Management	3	30	15	90	135
MGMT 326	International Business Management	3	30	15	90	135
	Total	9	90	45	270	405

THIRD YEAR

SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
MGMT 417	Total Quality 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 325	Project Management	3	30	15	90	135
MGMT 327	Performance Management	3	30	15	90	135
INAT 413	Internship	4	0	60	90	150
	Total	19	150	135	540	825

SEMESTER II

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 & Operations Management	3	30	15	90	135
BSAD 420	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

SUMMER COURSES OF THE 3RD YEAR

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	6	30	60	180	270
	Total	12	90	90	360	540

Distribution of Courses by Semester and exit award for Part time Students

FIRST YEAR

SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
MATH 112	General Mathematics	3	30	15	90	135
MGMT 124	Principles of Management	3	30	15	90	135
ACCT 112	Principles of Accounting I	2	20	10	60	90
EDRM 113	Study and Research Methods	3	30	15	90	135
ENGL 115	General English	3	30	15	90	135
	Total	14	140	70	420	630

SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
RELB 116	Introduction to the Bible Study	2	20	10	60	90
INSY 118	Introduction to Computer Applications	3	30	15	90	135
STAT 122	Descriptive Statistics	3	30	15	90	135
MATH 121	Business Mathematics	3	30	15	90	135
ACCT 125	Principles of Accounting II	3	30	15	90	135
	Total	14	140	70	420	630

SUMMER COURSES OF 1ST ACADEMIC YEAR

Code	Course	Credits	Theory	Practice	SDL	Tot
ECON 126	Microeconomics	3	30	15	90	135
RELT 123	Bible Doctrines	3	30	15	90	135
	Total	6	60	30	180	270

SECOND YEAR

SEESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
ENGL 124	Academic English Writing	3	30	15	90	135
ACCT 214	Intermediate Accounting I	3	30	15	90	135
STAT 215	Inferential Statistics in Business	3	30	15	90	135
ECON 216	Macroeconomics	3	30	15	90	135
ENGL 124	Academic English Writing	3	30	15	90	135
	Total	15	150	75	450	675

SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
HELT 213	Health Principles	2	20	10	60	90
BSAD 214	Business Law	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
INSY 226	Management Information System	3	30	15	90	135
	Total	14	140	70	420	630

SUMMER COURSES OF 2nd ACADEMIC YEAR

Code	Course	Credits	Theory	Practice	SDL	Tot
BSAD 224	Company Law	3	30	15	90	135
RELT 221	Philosophy Science and Religion	2	20	10	60	90
	Total	5	50	25	150	225

THIRD YEAR

SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
BSAD 228	Business Communication	3	30	15	90	135
BSAD 314	Entrepreneurship	3	30	15	90	135
BSAD 315	Human Resource Management	3	30	15	90	135
FNCE 314	Investment Analysis	3	30	15	90	135
MGMT 317	Insurance Institutions Management	3	30	15	90	135
	Total	15	150	75	450	675

SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
ACCT 313	Managerial Accounting	3	30	15	90	135
MGMT 323	Change and Innovation Management	3	30	15	90	135
MGMT 326	International Business Management	3	30	15	90	135
MGMT 417	Total Quality Management	3	30	15	90	135
MGMT 325	Project Management	3	30	15	90	135
	Total	15	150	75	450	675

SUMMER COURSES OF THE 3rd YEAR

Code	Course	Credits	Theory	Practice	SDL	Tot
INAT 413	Internship	4	0	60	90	150
BSAD 322	Business Research Method	3	30	15	90	135

	Total	6	30	75	180	285
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FOURTH YEAR

SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
MGMT 327	Performance Management	3	30	15	90	135
BSAD 324	Financial Management	3	30	15	90	135
MGMT 411	Business Organization and Management	3	30	15	90	135
BSAD 414	Organizational Behavior	3	30	15	90	135
BSAD 415	Production & Operations Management	3	30	15	90	135
	Total	15	150	75	450	675

SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
BSAD 420	Business Ethics	2	20	10	60	90
FNCE 429	Bank Management and Financial Services	3	30	15	90	135
MGMT 418	Procurement Management	3	30	15	90	135
MGMT 421	Leadership	3	30	15	90	135
BSAD 423	Strategic Management	3	30	15	90	135
	Total	14	140	70	420	630

SUMMER COURSES OF THE 4th YEAR

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

MAJOR COURSES IN FINANCE

DEGREE: BACHELOR OF BUSINESS ADMINISTRATION IN FINANCE

Summary of Courses

General Education	26
Core (Professional) Courses in Business Administration	75
Major (Concentration)	36
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TOTAL OF CREDITS	137

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 313	Personal Financial Planning	3	Intermediate Accounting I
FNCE 312	Financial Market Institution	3	Macroeconomics
FNCE 316	Money and Banking	3	Macroeconomics
FNCE 314	Investment Analysis	3	Principles of Accounting II
FNCE 324	International Finance	3	Macroeconomics
ACCT 311	Taxation I	3	Business Law
FNCE 414	Corporate Finance	3	Financial Management
MGMT 317	Insurance Institutions Management	3	Inferential statistics in Business Administration

FNCE 429	Bank Management and Financial Services	3	Investment Analysis
FNCE 315	Principles of Real Estate and Real Estate Finance	3	Personal Financial Planning
FNCE 317	Financial Derivatives	3	Investment Analysis
Total		36	

DESCRIPTION OF MAJOR/CONCENTRATION COURSES IN FINANCE

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 Intermediate Accounting I*

ACCT 311 Taxation I **3 credits**

The subject covers theory of taxation, taxation of income of persons, capital deductions, tax-administration of income tax, administration of value added tax, administration of customs taxes and excise taxes, taxation of specific sources of income. *Prerequisite: BSAD 214: Business Law*

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 Macroeconomics*

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 Macroeconomics*

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: BSAD 324 Financial Management.*

ACCT 416 Management of Financial Institutions

3 credits

This course examines the major financial management issues confronting depository financial service firms. Specific topics include: asset and liability management techniques, profitability analysis and management of various risk areas such as interest rate risk, liquidity risk, capital management, and financial engineering s a management tool for financial institutions. Other topics include lending decisions and pricing of services and strategies of maintaining profitability and liquidity. *Prerequisite: BSAD 324 Financial Management*

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: ECON 216 Macroeconomics*

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 Inferential statistics in business Administration*

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: FNCE 314 Investment Analysis*

FNCE 314 Investment Analysis 3 credits

The module Investment Analysis provides your insight into the decision making process that is involved with the buying and selling of financial assets (i.e. securities). The module addresses four main areas of interest: 1.the background against which investment decisions are taken, including the functioning of financial markets, 2. the main contemporary investment theories, 3. the valuation of stocks and bonds, and 4. portfolio management. The module provides you with a thorough understanding of capital markets, which belongs to the core knowledge base of finance professionals that either operate in a corporate environment, or at financial institutions. The module will relate to several concepts that are discussed in the courses International Financial Accounting, Financial Risk Management, and Behavioral Finance, which are also part of the minor

International Finance and Control. Overall, these four courses present you the cornerstones of International Finance. *Prerequisite: ACCT 125 Principle of Accounting II*

FNCE 313 Personal Financial Planning 3 credits

Personal and family accounts, budgets and budgetary control, bank accounts, charge accounts, borrowing, investing, insurance, standards of living, renting or home ownership, and wills and trust plans. During this course, students will learn the ins and outs of individual financial journey in a fun and unique way as a travel itinerary. Students will be provided with everything they need to understand the spending habits, chart the progress, grow the current savings and achieve personal dreams. This course is broken up into three parts: Plan, Execute and Travel. Plan: maintain checking and savings accounts, create assessments in order to understand the financial standing and create a foundation for financial standing. Execute: manage debt, build and manage credit score as well as balance accounts for future financial security. And finally, Travel: Live dream by generating wealth and controlling spending, making sound investments in stocks and bonds, and even begin starting and growing retirement accounts. *Prerequisite: ACCT 214 Intermediate Accounting I*

ACCT 311 Taxation I 3 Credits

The subject covers theory of taxation, taxation of income of persons, capital deductions, tax-administration of income tax, administration of value added tax, administration of customs taxes and excise taxes, taxation of specific sources of income. *Prerequisite: BSAD 214 Business Law*

FNCE 315 Principles of Real Estate and Real Estate Finance 3 Credits

A comprehensive coverage of real estate. Including land description, ownership of real estate, conveyance of property, leases, real estate valuation, rights in real property, public programs, and other topics relating to real property. *Prerequisite: FNCE 313 Personal Financial Planning*

FNCE 317 Financial Derivatives 3 credits

This course presents and analyzes derivatives, such as forwards, futures, and options. These instruments have become extremely popular investment tools over the past several decades, as they allow one to tailor the amount and kind of risk one takes, be it risk associated with changes in interest rates, exchange rates, stock prices, commodity prices, inflation, weather, etc. They are used by institutions as well as investors, sometimes to hedge (reduce) unwanted risks, sometimes to take on additional risk motivated by views regarding future market movements. The course defines the main kind of derivatives, shows how they are used to achieve various hedging and speculating objectives, introduces a framework for pricing derivatives, and studies several applications of derivative-pricing techniques outside derivative markets. By its very nature a course like this involves some advanced mathematics and statistics. However, in this course the math will be kept to the minimum that is required (the higher level math will be relegated to Appendices and will be optional). The goals are to (a) understand the characteristics of various derivatives, (b) take a look at the “black box” so as to understand the pros and cons of various models that are widely used, and (c) gain some experience in applying these instruments and models for valuation, risk management and financial engineering. *Prerequisite: FNCE 314 Investment Analysis*

Distribution of Courses by Semester

FIRST YEAR

SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
MATH 112	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 115	General English	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	10	20	60	90
INSY 118	Introduction to computer Applications	3	30	15	90	135
	Total	19	170	115	570	855

SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
STAT 112	Descriptive Statistics	3	30	15	90	135
ENGL 124	Academic English Writing	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 121	Business Mathematics	3	30	15	90	135
	Total	18	180	90	540	810

SUMMER COURSES OF 1ST ACADEMIC YEAR

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

SECOND YEAR**SEMESTER I**

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
HELT 213	Health Principles	2	10	20	60	90
BSAD 214	Business Law	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
INSY 226	Management Information System	3	30	15	90	135
BSAD 228	Business Communication	3	30	15	90	135
	Total	17	160	95	510	765

SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
RELT 221	Philosophy, Science and Religion	2	10	20	60	90
BSAD 224	Company Law	3	30	15	90	135
BSAD 314	Entrepreneurship	3	30	15	90	135
BSAD 315	Human Resource Management	3	30	15	90	135
FNCE 313	Personal Financial Planning	3	30	15	90	135
FNCE 312	Financial Market Institution	3	30	15	90	135
	Total	17	160	95	510	765

SUMMER COURSES OF 2nd ACADEMIC YEAR

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
ACCT 311	Taxation I	3	30	15	90	135
FNCE 314	Investment Analysis	3	30	15	90	135
ACCT 313	Managerial Accounting	3	30	15	90	135
	Total	9	90	45	270	405

THIRD YEAR

SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
FNCE 324	International Finance	3	30	15	90	135
FNCE 316	Money and Banking	3	30	15	90	135
INAT 413	Internship	4	0	60	90	150
BSAD 322	Business Research Method	3	30	15	90	135
BSAD 324	Financial Management	3	30	15	90	135
FNCE 315	Principles of Real Estate and Real Estate Finance	3	30	15	90	135
	Total	19	150	135	540	825

SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
FNCE 414	Corporate Finance	3	30	15	90	135
FNCE 317	Financial Derivatives	3	30	15	90	135
MGMT 418	Procurement Management	3	30	15	90	135
BSAD 415	Production & Operations Management	3	30	15	90	135
FNCE 429	Bank Management and Financial Services	3	30	15	90	135
BSAD 420	Business Ethics	2	10	20	60	90
	Total	17	160	95	510	765

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	6	30	60	180	270
	Total	12	90	90	360	540

Distribution of Courses by Semester for Part time Students

FIRST YEAR

SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
MATH 112	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 115	General English	3	30	15	90	135
	Total	14	140	70	420	630

SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
RELB 116	Introduction to Bible Study	2	20	10	60	90
INSY 118	Introduction to computer Applications	3	30	15	90	135
STAT 112	Descriptive Statistics	3	30	15	90	135
ENGL 124	Academic English Writing	3	30	15	90	135
ACCT 125	Principles of Accounting II	3	30	15	90	135
	Total	14	140	70	420	630

SUMMER COURSES OF 1ST ACADEMIC YEAR

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
ECON 126	Microeconomics	3	30	15	90	135
RELT 123	Bible Doctrines	3	30	15	90	135
	Total	6	60	30	180	270

SECOND YEAR

SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
MATH 121	Business Mathematics	3	30	15	90	135
ACCT 214	Intermediate Accounting I	3	30	15	90	135
STAT 215	Inferential Statistics in Business	3	30	15	90	135
ECON 216	Macroeconomics	3	30	15	90	135
HELT 213	Health Principles	2	20	10	60	90
	Total	14	140	70	420	630

SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
BSAD 214	Business Law	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
INSY 226	Management Information System	3	30	15	90	135
BSAD 228	Business Communication	3	30	15	90	135
	Total	15	150	75	450	675

SUMMER COURSES OF 2nd ACADEMIC YEAR

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
BSAD 224	Company Law	3	30	15	90	135
	Total	5	50	25	150	225

THIRD YEAR

SEMESTER I

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
BSAD 314	Entrepreneurship	3	30	15	90	135
BSAD 315	Human Resource Management	3	30	15	90	135
FNCE 313	Personal Financial Planning	3	30	15	90	135
FNCE 312	Financial Market Institution	3	30	15	90	135
ACCT 311	Taxation I	3	30	15	90	135
	Total	15	150	75	450	675

SEMESTER II

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
FNCE 314	Investment Analysis	3	30	15	90	135
ACCT 313	Managerial Accounting	3	30	15	90	135
FNCE 316	Money and Banking	3	30	15	90	135
FNCE 317	Financial Derivatives	3	30	15	90	135
BSAD 324	Financial Management	3	30	15	90	135
	Total	15	150	75	450	675

SUMMER COURSES OF 3rd ACADEMIC YEAR

Course Code	Course Name	Credits	Theory	Practice	SDL	Tot
BSAD 322	Business Research Method	3	30	15	90	135

INAT 413	Internship	3	0	45	90	135
	Total	6	30	60	180	270

FOURTH YEAR

SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
MGMT 317	Insurance Institutions Management	3	30	15	90	135
FNCE 315	Principles of Real Estate and Real Estate Finance	3	30	15	90	135
FNCE 324	International Finance	3	30	15	90	135
FNCE 414	Corporate Finance	3	30	15	90	135
BSAD 415	Production & Operations Management	3	30	15	90	135
	Total	15	150	75	450	675

SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
MGMT 418	Procurement Management	3	30	15	90	135
FNCE 429	Bank Management and Financial Services	3	30	15	90	135
BSAD 420	Business Ethics	2	20	10	60	90
BSAD 423	Strategic Management	3	30	15	90	135
	Total	11	110	55	330	495

SUMMER COURSES OF 4th ACADEMIC YEAR

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

DEPARTMENT OF MARKETING

DEGREE: BACHELOR OF BUSINESS ADMINISTRATION IN MARKETING

Summary of Courses

General Education	26
Core (Professional) Courses in Business Administration	75
Major (Concentration)	36
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TOTAL OF CREDITS	137

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.

List of Major (Concentration) Courses in Marketing

Course	Name of the Course	Credits	Prerequisite
MKTG 226	Consumer Behavior	3	Principles of Management
MKTG 311	Business to Business Marketing	3	Principles of Marketing
MKTG 312	Digital Marketing	2	Introduction to Computer Applications
MKTG 325	International Marketing	3	Principles of Marketing
MKTG 326	Sales Management	3	Principles of Management
MKTG 327	Industrial Marketing	3	Principles of Marketing
MKTG 416	Strategic Marketing	3	Principles of Marketing
MKTG 323	International Trade Practices	3	Principles of Marketing
MKTG 324	Public relations	3	Human Resource Management
MKTG 418	Advertising and Promotion	2	Business to Business Marketing
MKTG 411	New Product Management	3	Business to Business Marketing
MKTG 412	Service/Social Marketing	2	Digital Marketing
MKTG 317	Principles and practices of retailing and Wholesaling	3	Principles of Marketing
Total		36	

DESCRIPTION OF MAJOR/CONCENTRATION COURSES IN MARKETING

MKTG 312 Digital Marketing

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: INSY 118 Introduction to Computer Applications*

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: MGMT 124 Principles of Management*

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: MTKG 311 Business to Business Marketing*

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 and procedures, international distribution and logistics management, the legal issues m-international marketing. *Prerequisite: MKTG 225 Principle of Marketing*

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, in-store 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: BSAD 214 Principle of Management*

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 Principle of Marketing*

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 225 Principle of Marketing*

MKTG 311 Business to Business Marketing

3 credits

This course is a study of the core concepts of marketing as applied to Business to Business (B2B) activity. Upon completion of the course students should be able to: Demonstrate an understanding of the basic principles of B2B marketing; Demonstrate an understanding of the broad concepts of working with and marketing for business to business companies; Demonstrate the uses of the marketing mix elements in a B2B corporate strategy; and Demonstrate critical thinking skills through the completion of the marketing plan class project. *Prerequisite: MKTG 225 Principle of Marketing*

MKTG 323 International Trade Practices

3 credits

This course analyses the interdependence that arises from international trade in goods and services. We cover the following topics: the gains from trade, the pattern of trade, the impact of protection, international factor movements, and trade policy. The course

process, we will look at behavior change methodologies and communication strategies that increase the effectiveness of media-based interventions. Social Marketing and Entertainment-Education methodologies will be the main focus of the course but we will also consider less conventional approaches, such as Trans media (Multi-Platform Storytelling), Positive Deviance and Liberating Structures. Social Marketing (SM) campaigns use traditional and new marketing principles to gain awareness and influence human behavior, just as in most every commercial marketing campaign. The main difference is that SM's intent is to promote awareness and behavior change on social issues, disease prevention/treatment, environmental concerns and the like, rather than simply encouraging the purchase of the advertised product or service. Entertainment-education (EE) storylines utilize multiple forms of mass media entertainment programming to educate viewers by unobtrusively embedding educational content into entertainment narratives in television, web-based programming, movies, games, graphic novels, music videos and more. Understanding, designing and evaluating these types of communication campaigns requires knowledge of the psychological and sociological theories that underlay these approaches, as well as an understanding of formative and evaluative research, audience analysis, marketing tactics, copywriting, campaign strategy, media planning and more. This class will provide both a theoretical and practical approach to these methods, providing the students a keen understanding of these powerful methodologies, as well as practical, applicable skills for their professional career. *Prerequisite: MKTG 312 Digital Marketing*

MKTG 317 Principles and practices of retailing and wholesaling 3 credits

This course is designed as one semester course for undergraduate students of marketing. The course covers retailing and wholesale management, marketing channels, retailing organizations and methods of operation, store location, trends in wholesaling, wholesaler marketing decision, stock decisions and sources amongst others. Beside, retailers and wholesale roles in economic development are also treated. *Prerequisite: MKTG 225 Principle of Marketing*

DISTRIBUTION OF COURSES BY SEMESTER

FIRST YEAR

SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
MATH 112	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 115	General English	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	10	20	60	90
INSY 118	Introduction to Computer Applications	3	30	15	90	135
	Total	19	170	115	570	855

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 121	Business Mathematics	3	30	15	90	135
ENGL 124	Academic English Writing	3	30	15	90	135
	Total	18	180	90	540	810

SUMMER COURSES OF 1ST ACADEMIC YEAR

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

SECOND YEAR

SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
HELT 213	Health Principles	2	10	20	60	90
BSAD 214	Business Law	3	30	15	90	135
MKTG 226	Consumer Behavior	3	30	15	90	135
MKTG 225	Principles of Marketing	3	30	15	90	135

INSY 226	Management Information Systems	3	30	15	90	135
BSAD 228	Business Communication	3	30	15	90	135
	Total	17	160	95	510	765

SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
RELT 221	Philosophy Science and Religion	2	10	20	60	90
BSAD 224	Company Law	3	30	15	90	135
BSAD 314	Entrepreneurship	3	30	15	90	135
BSAD 315	Human Resource Management	3	30	15	90	135
MKTG 312	Digital Marketing	2	10	20	60	90
MKTG 311	Business to Business Marketing	2	10	20	60	90
MKTG 325	International Marketing	3	30	15	90	135
	Total	18	150	120	540	810

SUMMER COURSES OF 2nd ACADEMIC YEAR

Code	Course	Credits	Theory	Practice	SDL	Tot
MKTG 326	Sales Management	3	30	15	90	135
ACCT 313	Managerial Accounting	3	30	15	90	135
MKTG 323	International Trade Practices	3	30	15	90	135
	Total	9	90	45	270	405

THIRD YEAR

SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
MKTG 324	Public relations	3	30	15	90	135
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 416	Strategic marketing	3	30	15	90	135
INAT 413	Internship	4	0	60	90	150
	Total	19	150	135	540	825

SEMESTER II

Course Code	Course	Credits	Theory	Practice	SDL	Tot
MKTG 411	New Product Management	3	30	15	90	135

BSAD 415	Production & Operations management	3	30	15	90	135
MKTG 418	Advertising and promotion	2	30	15	90	135
BSAD 420	Business ethics	2	30	15	90	135
MGMT 418	Procurement Management	3	30	15	90	135
MKTG 412	Service/Social Marketing	3	30	15	90	135
	Total	16	180	90	540	810

SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
BSAD 423	Strategic Management	3	30	15	90	135
MKTG 317	Principles and Practices of Retailing and wholesaling	3	30	15	90	135
BSAD 427	Research Project	6	30	60	180	270
	Total	12	90	90	360	540

DISTRIBUTION OF COURSES BY SEMESTER FOR PART TIME STUDENTS

FIRST YEAR

SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
MATH 112	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	20	10	60	90
ENGL 115	General English	3	30	15	90	135
	Total	14	140	70	420	630

SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
RELB 116	Introduction to Bible Study	2	20	10	60	90
INSY 118	Introduction to Computer Applications	3	30	15	90	135
STAT122	Descriptive Statistics	3	30	15	90	135
MATH 121	Business Mathematics	3	30	15	90	135
ACCT 125	Principles of Accounting II	3	30	15	90	135
	Total	14	140	70	420	630

SUMMER COURSES OF 1ST ACADEMIC YEAR

Code	Course	Credits	Theory	Practice	SDL	Tot

ECON 126	Microeconomics	3	30	15	90	135
RELT 123	Bible Doctrines	3	30	15	90	135
	Total	6	60	30	180	270

SECOND YEAR

SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
ENGL 124	Academic English Writing	3	30	15	90	135
ACCT 214	Intermediate Accounting I	3	30	15	90	135
STAT 215	Inferential Statistics in Business	3	30	15	90	135
ECON 216	Macroeconomics	3	30	15	90	135
HELT 213	Health Principles	2	20	10	60	90
	Total	14	140	70	420	630

SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
BSAD 214	Business Law	3	30	15	90	135
MKTG 226	Consumer Behavior	3	30	15	90	135
MKTG 225	Principles of Marketing	3	30	15	90	135
INSY 226	Management Information Systems	3	30	15	90	135
BSAD 228	Business Communication	3	30	15	90	135
	Total	15	150	75	450	675

SUMMER COURSES OF 2nd ACADEMIC YEAR

Code	Course	Credits	Theory	Practice	SDL	Tot
RELT 221	Philosophy Science and Religion	2	20	10	60	90
BSAD 224	Company Law	3	30	15	90	135
	Total	5	50	25	150	225

THIRD YEAR

SEMESTER I

Code	Course	Credits	Theory	Practice	SDL	Tot
BSAD 314	Entrepreneurship	3	30	15	90	135
BSAD 315	Human Resource Management	3	30	15	90	135
MKTG 311	Business to Business Marketing	2	20	10	60	90

MKTG 312	International Trade Practices	3	30	15	90	135
MKTG 317	Principles and Practices of Retailing and wholesaling	3	30	15	90	135
	Total	14	140	70	420	630

SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
MKTG 325	International Marketing	3	30	15	90	135
ACCT 313	Managerial Accounting	3	30	15	90	135
MKTG 323	Digital Marketing	2	20	10	60	90
MKTG 324	Public relations	3	30	15	90	135
BSAD 324	Financial Management	3	30	15	90	135
	Total	14	140	70	420	630

SUMMER COURSES OF 3rd ACADEMIC YEAR

Code	Course	Credits	Theory	Practice	SDL	Tot
BSAD 322	Business Research Methods	3	30	15	90	135
INAT 413	Internship	4	0	60	90	150
	Total	7	30	75	180	285

FOURTH YEAR

SEMESTER I

Course Code	Course	Credits	Theory	Practice	SDL	Tot
MKTG 327	Industrial Marketing	3	30	15	90	135
MKTG 326	Sales Management	3	30	15	90	135
MKTG 411	New Product Management	3	30	15	90	135
BSAD 415	Production & Operations management	3	30	15	90	135
MKTG 418	Advertising and promotion	2	30	15	90	135
BSAD 420	Business ethics	2	20	10	60	90
	Total	16	170	85	510	765

SEMESTER II

Code	Course	Credits	Theory	Practice	SDL	Tot
MKTG 416	Strategic marketing	3	30	15	90	135
MGMT 418	Procurement Management	3	30	15	90	135
MKTG 412	Service/Social Marketing	3	30	15	90	135
BSAD 423	Strategic Management	3	30	15	90	135
	Total	12	120	60	360	540

SUMMER COURSES OF 4th ACADEMIC YEAR

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

FACULTY OF EDUCATION

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), and concentrations 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), and concentration 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.

Competencies for Bachelor's Degree

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.

Competencies for Diploma in Higher Education (A1)

The student is awarded Diploma in higher education (A1) will have completed 68 credits and 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, Geography, and History.

Exit Profile/Career Opportunities for Bachelor's Degree

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, Geography, and History.

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 Accounting, Information Technology, English Language and Literature, Mathematics, Educational 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, Geography and History.**

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.

Education Core Courses

List of Core (Professional) Courses in Education

Course Code	Course Name	Credits	Prerequisite
EDAD 116	Philosophy of Education	2	None
EDAD 313/413	Entrepreneurship & Project Management	3	None
EDAD 125/326	Pedagogy and History of Education	2	None

EDAD 323	Sociology of Education	2	None
EDAD 412	Economics of Education	2	None
EDAD 413	Comparative Education	2	None
EDAD 411	Educational Planning	2	None
EDAD 324	Foundations of School Administration	3	None
EDPC 124	Educational Psychology	2	None
EDPC 215	Human Developmental Psychology	3	None
EDTE 226	Principles of Teaching	2	None
EDTE 222	Instructional Technology	2	None
EDTE 319	Foundations of Curriculum Development	3	None
EDTE 325	Inclusive Education	3	None
EDTE 223	Introduction of the Teaching Profession	2	None
EDTE 313	Classroom Testing, Measurement and Evaluation	2	None
EDTE 323	Educational Research Methods	3	Descriptive Statistics
STAT 216	Inferential Statistics in Education	3	Descriptive Statistics
EDTE 422	Teaching Practice	4	100 credits
Total		47	

Description of 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 125 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 323 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 413 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 411 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 226 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 319 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 313 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 325 Inclusive Education

3 credits

This module 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, autism, epilepsy, dyslexia, dyscalculia, and difficulty of concentrating.

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. *Prerequisite: STAT 122 Descriptive statistics*

STAT 216 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. *Prerequisite: STAT 122 Descriptive statistics*

EDTE 422 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. *Prerequisite: 100 credits*

DEPARTMENT OF EDUCATIONAL PSYCHOLOGY

DEGREE: BACHELOR OF EDUCATION IN EDUCATIONAL PSYCHOLOGY

Summary of Courses

General Education Courses:	26 cr
Major Courses:	48 cr
Core Courses:	47 cr
Minor Courses:	15 cr
Total:	136 cr

Structure and Degree Requirements for Graduation

In order for AUCA student to graduate with the degree of Bachelor of education psychology (Major: psychology), 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 Education, check in the section of core courses. Major Courses (check in the following Table)

List of Major Courses in Educational Psychology

Course Code	Course Name	Credits	Pre-requisite
BIOL 117	Anatomy and Physiology of Nervous System	3	None
BIOL 126	Genetics	3	BIOL 117
EDPC 125	Detailed Study of Developmental Psychology	3	None
FREN 325	Psycholinguistics	2	None
EDPC 212	Great Trends in History of Psychology	3	None
EDTE 318	Introduction to Abnormal Psychology	3	None
EDUC 321	Foundations of Early Childhood Education	3	None
EDTE 314	Methods of Teaching in Primary Schools	3	None

EDPC 317	Psychology of Learning	3	None
SOPC 214	Social Psychology	3	None
EDTE 316	Methods of Teaching Secondary Schools	3	None
SMTC 317	Special Methodology of Teaching in TTC	2	None
EDTE 327	Psychometric Methods	3	None
EDPC 327	Foundations of Guidance and Counselling	3	None
EDTE 317	School Orientation	2	None
EDRE 421	Research Project	6	None
Total		48	

Description of Major Courses in Educational Psychology

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. *Prerequisite BIOL 117 Anatomy and Physiology of Nervous System*

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

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 centers. 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 327 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 317 Psychology of Learning 3 credits

This course explains education, teaching and learning, educational psychology, purposes of educational psychology and methods employed in educational psychology and handling children with disabilities.

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 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**2 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 421 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.

Religious Studies Minor

Course Code	Name of the Course	Credits	Prerequisite
RELB 222/215	Gospel and Acts of the Apostles I	3	None
RELB 223/222	Gospel and Acts of the Apostles II	3	None
RELB 322	Studies in Daniel	3	None
RELB 313	Revelation	3	None
RELH 324	History of Seventh-day Adventist Church	3	None
Total		15	

Year 1, Semester 2

Code	Course	Credits	Theory	Practice	SDL	Total
BIOL 126	Genetics	3	30	15	90	135
EDPC 125	Detailed Study of Developmental Psychology	3	30	15	90	135
ENGL 124	Academic English Writing	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 1, Summer Semester 3

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 325	Inclusive Education	3	30	15	90	135
EDPC 215	Human Developmental Psychology	3	30	15	90	135
HELT 213	Health Principles	2	20	10	60	90
	Total	8	80	40	240	360

Year 2, Semester 1

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 222	Instructional Technology	2	20	10	60	90
EDTE 223	Introduction of the Teaching Professional	2	20	10	60	90
EDTE 313	Classroom Test, Measurement and Evaluation	2	20	10	60	90
EDTE 224	Principles of Teaching	2	20	10	60	90
EDAD 326	Pedagogy and History of Education	2	20	10	60	90
FREN 325	Introduction to Psycholinguistics	2	20	10	60	90
STAT 216	Inferential Statistics in Education	3	30	15	90	135
RELB 215	Gospel and Acts of the Apostles I	3	30	15	90	135
	Total	18	180	90	540	810

Year 2, Semester 2

Code	Course	Credits	Theory	Practice	SDL	Total
EDPC 212	Great Trend in History of Psychology	3	30	15	90	135
EDTE 318	Introduction to Abnormal Psychology	3	30	15	90	135
EDAD 313	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 2, Summer Semester 3

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 314	Methods of Teaching in Primary Schools	3	30	15	90	135
EDTE 319	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 3, Semester 1

Code	Course	Credits	Theory	Practice	SDL	Total
EDAD 323	Sociology of Education	2	20	10	60	90
EDAD 412	Economics of Education	2	20	10	60	90
EDAD 413	Comparative Education	2	20	10	60	90
RELB 222	Gospel and Acts of the Apostles II	3	30	15	90	135
EDTE 327	Psychometric Methods	3	30	15	90	135
EDPC 317	Psychology of Learning	3	30	15	90	135
EDAD 324	Foundations of School Administration	3	30	15	90	135
	Total	18	180	90	540	810

Year 3, Semester 2

Code	Course	Credits	Theory	Practice	SDL	Total
EDPC 327	Foundations of Guidance and Counseling	3	30	15	90	135
EDAD 411	Educational Planning	2	20	10	60	90
RELB 322	Studies in Daniel	3	30	15	90	135
RELB 313	Revelation	3	30	15	90	135
RELH 324	History of Seventh - day Adventist Church	3	30	15	90	135
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
	Total	16	160	90	480	720

Year 3, Summer Semester 3

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 317	School Orientation	2	20	10	60	90
EDTE 422	Teaching Practice	4	20	40	120	180
EDRE 421	Research Project	6	40	80	240	360
	Total	12	60	130	420	530

PART TIME - 4 YEAR PROGRAMME COURSE DISTRIBUTION PER YEAR AND PER SEMESTER

YEAR ONE SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 115	General English	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 118	Introduction to Computer Applications	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 124	Academic English Writing	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
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 326	Pedagogy and History of Education	2	20	10	60	90
FREN 325	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 413	Entrepreneurship & Project Management	3	30	15	90	135
EDPC 125	Detailed Study of Developmental Psychology	3	30	15	90	135
EDTE 325	Inclusive Education	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 216	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
RELB 222	Gospel and Acts of the Apostles I	3	30	15	45	135
EDPC 317	Psychology of Learning	3	30	15	45	135
EDTE 317	School Orientation	2	20	10	60	90
EDAD 413	Comparative Education	2	20	10	60	90
EDAD 412	Economics of Education	2	20	10	60	90

RELT 221	Philosophy, Science and Religion	2	20	10	60	90
SMTC 317	Special Methodology of Teaching TTC	2	20	10	60	90
		16	160	90	480	720

YEAR FOUR SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
RELB 223	Gospel and Acts of the Apostles II	3	30	15	45	135
RELB 322	Studies in Daniel	3	30	15	45	135
RELB 313	Revelation	3	30	15	45	135
EDAD 411	Educational Planning	2	20	10	60	90
EDPC 327	Foundations of Guidance and Counseling	3	30	15	45	135
	Total	16	160	90	480	720

YEAR FOUR SEMESTER 2

Code	Course Name	Credits	Theory	Practice	SDL	Total
RELH 324	History of Seventh - day Adventist Church	3	30	15	45	135
EDTE 327	Teaching Practice	4	40	20	120	180
EDRE 321	Research Project	6	60	30	180	270
	Total	13	130	65	405	540

DEPARTMENT OF ENGLISH

DEGREE: BACHELOR OF EDUCATION IN ENGLISH LANGUAGE AND LITERATURE

Summary of major courses

General Education Courses:	26 cr
Major Courses:	48 cr
Core Courses:	47 cr
Minor Courses:	15 cr
Total:	136 cr

List of Major Courses in English

Code	Course	Credits	Prerequisite
ENGL 112	Introduction to Linguistics	3	None

Lexical Semantics and Syntax. Various linguistic concepts are also introduced including language and dialect, bilingualism, standard language, pidgins and creoles.

ENGL 127 Introduction to 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 220 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, speech sound symbols, stress, and intonation. 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 emphasized.

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 in the world: 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.

SMTE 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 329 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 335 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 331 Prose

2 credits

The course focuses on the basic generic characteristics of prose including the novel and short story. Various types of novels and short stories across regions and cultures of the world will be studied. Major writers and significant literary movements in the 20th Century to the contemporary period are studied on. These include Laurence, Foster, Joyce, Conrad, Baldwin, Ellison, Faulkner, Hemingway, Hardy, Achebe, Soyinka, Orwell, Fitzgerald, Huxley, Koeztler, Golding, etc. for study materials. It also covers 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 316 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 421 Research Project 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 Literature Minor

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 324 Theatre and the Dramatic Art 3 credits

This course involves the study of origin and evolution of French theatre in the middle ages. The course covers the farce and satirical farce, the theatre in the 17th century, contemporary theatre (theatre of the absurd) dramatic arts: the scenography, the actor,

the situation, the public. Resources to be used videos, films, and other appropriate teaching materials.

FREN 327 Children's Literature in French 3 credits

The topics of this course include the specificity of children's literature as a literary genre, fairy tales and their sociocultural context, the relationship between word and image, the relationship between children's literature and religious and educational institutions. The course further discusses, censorship and marketing, images of childhood and adolescence, representations of the family and the "problem novel" and devoted to social issues such as sexuality, death, suicide, racism, and drug use, etc.

FREN 415 French Literature of Medieval period -20th Century 2 credits

This course acquaints students with the major works and writers, the literary movements, and the historical, social and cultural evolution of the period under study. Students here will be expected to engage in a more intensive and critical reading of the texts selected by the instructor. The middle Age (Gesture songs), the Seventeenth Century: Moliere(play), Racine (tragedy), La Fontaine (fables), the Eighteenth-Century Voltaire, the Nineteenth Century Romanticism, the Twentieth Century: Guillaume Apollinaire, Jean-Paul Sartre, and Samuel Beckett.

FREN 317 Introduction to French Literary Analysis 3 credits

This course introduces the students to the methodology and vocabulary of literary criticism. Study of the plot, style, characters, form and contents analysis, figures of speech and other stylistic devices, application of various principles of textual analysis and critical approaches to French literature and literature in French are analyzed. Another topical issue that is covered. Are also included: style and stylistics, theories, and approaches of various scholars to styles, relationship between stylistic and other branches of linguistics. **Prerequisite: FREN 225**

FREN 414 Introduction to Comparative Literature 3 credits

This course traces the birth and development of comparative literature, trends of comparative literature, and critical methods in comparative literature. Comparative

studies of two works e.g, the Tempest by William Shakespeare and Une Tempête by Aimé Césaire will be done.

Course Distribution per Year and Per Semester

Year 1, Semester 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 115	General English	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 126	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 118	Introduction to Computer Applications	3	30	15	90	135
	Total	18	180	90	540	810

Year 1, Semester 2

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 112	Introduction to Linguistics	3	30	15	90	135
EDTE 222	Instructional Technology	2	20	10	60	90
ENGL 225	History of English Language	3	30	15	90	135
ENGL 124	Academic English Writing	3	30	15	90	135
EDPC 124	Educational Psychology	2	20	10	60	90
RELT 123	Bible Doctrines	3	30	15	90	135
STAT 122	Descriptive Statistics	3	30	15	90	135
	Total	19	190	95	570	855

Year 1, Summer Semester 3

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 220	English Phonology	3	30	15	90	135
EDPC 215	Human Developmental Psychology	3	30	15	90	135
HELT 213	Health Principles	2	20	10	60	90
	Total	8	80	40	240	360

Year 2, Semester 1

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 327	Inclusive Education	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 313	Classroom Test, Measure and Evaluation	2	20	10	60	90
EDTE 226	Principles of Teaching	2	20	10	60	90
ENGL 314	African Novel	3	30	15	90	135
STAT 216	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
ENGL 331	Prose	2	20	10	60	90
ENGL 235	Poetry	2	20	10	60	90
EDTE 319	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 329	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 2, Summer Semester 3

Code	Course	Credits	Theory	Practice	SDL	Total
FREN 212	Textual Analysis of French	3	30	15	90	135
EDAD 313	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 323	Sociology of Education	2	20	10	60	90
EDAD 412	Economics of Education	2	20	10	60	90
EDAD 413	Comparative Education	2	20	10	60	90
ENGL 326	Introduction to Theatre Arts	2	20	10	60	90

ENGL 127	Introduction to Literary Genres	2	20	10	60	90
FREN 324	Theatre and the Dramatic Art	3	30	15	90	135
EDAD 324	Foundations of School Administration	3	30	15	90	135
	Total	16	160	80	480	720

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 327	Children Literature in French	3	30	15	90	135
EDAD 326	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
ENGL 316	African American English	3	30	15	90	135
	Total	17	170	85	510	765

Year 3, Summer Semester 3

Code	Course	Credits	Theory	Practice	SDL	Total
FREN 414	Introduction to Comparative Literature	3	30	15	90	135
EDTE 422	Teaching Practice	4	40	20	120	180
EDRE 421	Research Project (Memoire)	6	60	30	180	270
	Total	13	130	65	390	585

Part Time - 4 Year Programme

YEAR ONE SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 115	General English	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 126	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 118	Introduction to Computer Applications	3	30	15	90	135
	Total	18	180	90	540	810

Year 1, Semester 2

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 112	Introduction to Linguistics	3	30	15	90	135
EDTE 222	Instructional Technology	2	20	10	60	90
HELT 213	Health Principles	2	20	10	60	90
ENGL 124	Academic English Writing	3	30	15	90	135
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 220	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, 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 326	Pedagogy and History of Education	2	20	10	60	90
EDAD 413	Entrepreneurship & Project Management	3	30	15	90	135
ENGL 314	African Novel	3	30	15	90	135
EDTE 325	Inclusive Education	3	30	15	45	135
EDTE 323	Educational Research Methods	3	30	15	90	135
ENGL 235	Poetry	2	20	10	60	90
ENGL 331	Prose	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 329	Research and Creative Writing	3	30	15	90	135
STAT 216	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 212	Textual Analysis of French	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 324	Theatre and the Dramatic Art	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
FREN 317	Introduction to French Literary Analysis	2	20	10	60	90
	Total	20	200	100	555	900

YEAR FOUR SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
ENGL 319	African American Literature	3	30	15	90	135
ENGL 316	Modern World Prose	2	20	10	60	90
FREN 327	Children Literature in French	3	30	15	90	135
SMTE 318	Special Methodology of Teaching English	2	20	10	60	90
FREN 414	Introduction to Comparative Literature	3	30	15	90	135
	Total	15	150	75	540	675

YEAR FOUR SEMESTER 2

Code	Course Name	Credits	Theory	Practice	SDL	Total
EDAD 411	Educational Planning	2	20	10	60	90
EDTE 327	Teaching Practice	4	40	20	120	180
EDRE 321	Research Project	6	60	30	180	270

	Total	12	120	60	360	540
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DEPARTMENT OF GEOGRAPHY

DEGREE: BACHELOR OF EDUCATION IN GEOGRAPHY

Summary of major courses

General Education Courses:	26 cr
Major Courses:	48 cr
Core Courses:	47 cr
Minor Courses:	15 cr
Total:	136cr

List of Major Courses in Geography

Course Code	Course	Credits	Prerequisites
GEOG 117	General Introduction to Geography	2	None
GEOG 118	Geography of Rwanda	3	General Introduction to Geography
GEOG 212	Climatology I	2	General Introduction to Geography
GEOG 214	Soil Science	2	General Introduction to Geography
GEOG 126	Geology	2	General Introduction to Geography
GEOG 325	Research Methods in Geography	2	General Introduction to Geography
GEOG 314	Economic Geography	2	General Introduction to Geography
SMTG 317	Special Methodology of Teaching Geography	2	General Introduction to Geography
GEOG 316	Structural Geomorphology	2	General Introduction to Geography
GEOG 315	Climatology II	2	Climatology I
GEOG 225	Dynamic Geomorphology	2	General Introduction to Geography
GEOG 318	Environmental Geography	2	General Introduction to Geography
GEOG 329	Geography of Africa	3	General Introduction to Geography
GEOG 227	Statistical Methods in Geography	3	Descriptive Statistics

GEOG 415	Hydrology	2	General Introduction to Geography
GEOG 416	Study of Urban and Rural Areas	2	General Introduction to Geography
GEOG 226	Population Geography	2	General Introduction to Geography
GEOG 324	Regional Planning	2	General Introduction to Geography
GEOG 321	Cartography	3	General Introduction to Geography
EDRE 421	Research Project	6	
Total		48	

Description of Major Courses in Geography

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 comprises 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 212 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 comprises 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 comprises 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 214 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 126 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 comprises 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 325 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 314 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 art craft 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 317 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 316 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 315 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 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 comprises 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 318 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 329 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 comprises 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 227 Statistical Methods in Geography

3 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 415 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 416 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 226 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 comprises 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 populations – 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 follow 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.

GEOG 321 Cartography

3 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. 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 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 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 128 Panorama of History

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 212 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 329 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 328 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.

HIST 225 History of Africa in the 20th Century

3 credits

The course on the History of Africa in the 20th century analyzes the impact of colonial administration on African societies. It deals with the process of decolonization and the challenges of this continent after independence. An imposed partition of Africa; Colonial systems in Africa; Colonial impositions (taxes, labor); Reactions to colonial rule; Particular

cases: South African Union, Algeria; Last conquests (Morocco and Libya); Independent African countries on the eve of World War I; African economic dependence (favorable market for the metropolis, exploitation of colonies, limited investments, exploitation of raw materials); World War and imperialistic rivalries in Africa (support and opposition to metropolis, eviction of Germany, strengthening of Union of South Africa, Portuguese concerns); Between two wars periods (American and Japanese penetration, German return, Italian war attitude, population growth); World War II ; Emancipation of Africa (strategies and role of different actors: political parties, unions); Challenges after independence (problem of national unity, economic dependency, fight against balkanization, efforts of regional integration, problem of debts, problem of aid, population growth, social problems, democratization of institutions, apartheid and its end, etc).

COURSE DISTRIBUTION PER YEAR AND PER SEMESTER

Year 1, Semester 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 115	General English	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
EDRM 113	Study and Research Methods	2	20	10	60	90
EDAD 116	Philosophy of Education	2	20	10	60	90
INSY 118	Introduction to Computer Applications	3	30	15	90	135
	Total	17	170	85	510	765

Year 1, Semester 2

Code	Course	Credits	Theory	Practice	SDL	Total
GEOG 118	Geography of Rwanda	3	30	15	90	135
EDTE 222	Instructional Technology	2	20	10	60	90
EDPC 215	Human Developmental Psychology	3	30	15	90	135
ENGL 124	Academic English Writing	3	30	15	90	135
EDPC 216	Educational Psychology	2	20	10	60	90
RELT 123	Bible Doctrines	3	30	15	90	135
STAT 122	Descriptive Statistics	3	30	15	90	135

	Total	19	190	95	570	855
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Year 1, Summer Semester 3

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 327	Inclusive Education	3	30	15	90	135
HELT 213	Health Principles	2	20	10	60	90
GEOG 329	Geography of Africa	3	30	15	90	135
	Total	8	80	40	240	360

Year 2, Semester 1

Code	Course	Credits	Theory	Practice	SDL	Total
HIST 212	History of Rwanda	3	30	15	90	135
GEOG 214	Soil Science	2	20	10	60	90
GEOG 225	Dynamic Geomorphology	2	20	10	60	90
EDTE 223	Introduction of the Teaching Professional	2	20	10	60	90
EDTE 313	Classroom Test, Measure and Evaluation	2	20	10	60	90
EDTE 3116	Principles of Teaching	2	20	10	60	90
GEOG 212	Climatology I	2	20	10	60	90
STAT 216	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
GEOG 226	Population Geography	2	20	10	60	90
GEOG 325	Research Methods in Geography	2	20	10	60	90
GEOG 314	Economic Geography	2	20	10	60	90
EDTE 219	Foundations and Curriculum Development	3	30	15	90	135
GEOG 317	Special Methodology in Teaching Geography	2	20	10	60	90
GEOG 316	Structural Geomorphology	2	20	10	60	90
GEOG 315	Climatology II	2	20	10	60	90
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
GEOG 227	Statistical Methods in Geography	3	30	15	90	135
EDAD 313	Entrepreneurship & Project Management	3	30	15	90	135
HIST 128	Panorama of History	3	30	15	90	135
	Total	9	90	45	270	405

Year 3, Semester 1

Code	Course	Credits	Theory	Practice	SDL	Total
EDAD 323	Sociology of Education	2	20	10	60	90
EDAD 412	Economics of Education	2	20	10	60	90
EDAD 413	Comparative Education	2	20	10	60	90
GEOG 318	Environmental Geography	2	20	10	60	90
GEOG 321	Cartography	3	30	15	90	135
GEOG 415	Hydrology	2	20	10	60	90
GEOG 416	Study of Urban and Rural Areas	3	30	15	90	135
EDAD 324	Foundations of School Administration	3	30	15	90	135
	Total	19	190	95	570	855

Year 3, Semester 2

Code	Course	Credits	Theory	Practice	SDL	Total
HIST 326	History of Religions	3	30	15	90	135
EDAD 411	Educational Planning	2	20	10	60	90
GEOG 324	Regional Planning	2	20	10	60	90
EDAD 326	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
HIST 225	History of Africa in the 20 th Century	3	30	15	90	135
	Total	17	170	115	510	765

Year 3, Summer Semester 3

Code	Course	Credits	Theory	Practice	SDL	Total
HIST 329	Comparative History of Genocides	3	30	15	90	135
EDTE 422	Teaching Practice	4	40	20	120	180
EDRE 421	Research Project	6	60	30	180	270

	Total	13	130	65	390	585
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**PART TIME-4 YEAR PROGRAMME
COURSE DISTRIBUTION PER YEAR AND PER SEMESTER**

Year 1, Semester 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 115	General English	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
EDRM 113	Study and Research Methods	2	20	10	60	90
EDAD 116	Philosophy of Education	2	20	10	60	90
INSY 118	Introduction to Computer Applications	3	30	15	90	135
	Total	17	170	85	510	765

Year 1, Semester 2

Code	Course	Credits	Theory	Practice	SDL	Total
GEOG 118	Geography of Rwanda	3	30	15	90	135
EDTE 222	Instructional Technology	2	20	10	60	90
HELT 213	Health Principles	2	20	10	60	90
ENGL 124	Academic English Writing	3	30	15	90	135
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

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 325	Inclusive Education	3	30	15	90	135
EDPC 215	Human Developmental Psychology	3	30	15	90	135
GEOG 329	Geography of Africa	3	30	15	90	135
	Total	9	90	45	270	405

Year 2, Semester 1

Code	Course	Credits	Theory	Practice	SDL	Total
HIST 217	History of Rwanda	3	30	15	90	135
GEOG 214	Soil Science	2	20	10	60	90
GEOG 225	Dynamic Geomorphology	2	20	10	60	90
EDTE 223	Introduction of the Teaching Professional	2	20	10	60	90
EDTE 313	Classroom Test, Measure and Evaluation	2	20	10	60	90

EDTE 3116	Principles of Teaching	2	20	10	60	90
GEOG 212	Climatology I	2	20	10	60	90
STAT 216	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
GEOG 226	Population Geography	2	20	10	60	90
GEOG 325	Research Methods in Geography	2	20	10	60	90
GEOG 314	Economic Geography	2	20	10	60	90
EDTE 219	Foundations and Curriculum Development	3	30	15	90	135
GEOG 317	Special Methodology in Teaching Geography	2	20	10	60	90
GEOG 316	Structural Geomorphology	2	20	10	60	90
GEOG 315	Climatology II	2	20	10	60	90
EDTE 323	Educational Research Methods	3	30	15	90	135
	Total	18	180	90	540	810

Issuance of A1 (Exit Award) on request

Year 3 Semester 1

Code	Course	Credits	Theory	Practice	SDL	Total
GEOG 227	Statistical Methods in Geography	3	30	15	90	135
EDAD 413	Entrepreneurship & Project Management	3	30	15	90	135
HIST 128	Panorama of History	3	30	15	90	135
EDTE 325	Inclusive Education	3	30	15	90	135
EDPC 215	Human Developmental Psychology	3	30	15	90	135
EDAD 324	Foundations of School Administration	3	30	15	90	135
	Total	18	180	90	540	810

Year 3 Semester 2

Code	Course	Credits	Theory	Practice	SDL	Total
EDAD 323	Sociology of Education	2	20	10	60	90
EDAD 412	Economics of Education	2	20	10	60	90
EDAD 413	Comparative Education	2	20	10	60	90
GEOG 318	Environmental Geography	2	20	10	60	90
GEOG 321	Cartography	3	30	15	90	135
GEOG 415	Hydrology	2	20	10	60	90
GEOG 329	Geography of Africa	3	30	15	90	135

RELT 221	Philosophy, Science and Religion	2	20	10	60	90
	Total	18	180	90	540	810

Year 4 Semester 1

Code	Course	Credits	Theory	Practice	SDL	Total
HIST 328	History of Religions	3	30	15	90	135
EDAD 411	Educational Planning	2	20	10	60	90
GEOG 324	Regional Planning	2	20	10	60	90
EDAD 326	Pedagogy and History of Education	2	20	10	60	90
GEOG 416	Study of Urban and Rural Areas	3	30	15	90	135
EDTE 323	Educational Research Methods	3	30	15	90	135
HIST 224	History of Africa in the 20th Century	3	30	15	90	135
	Total	18	180	90	540	810

Year 4 Semester 2

Code	Course	Credits	Theory	Practice	SDL	Total
HIST 329	Comparative History of Genocides	3	30	15	90	135
EDTE 422	Teaching Practice	4	40	20	120	180
EDRE 421	Research Project	6	60	30	180	270
	Total	13	160	80	480	720

DEPARTMENT OF MATHEMATICS

DEGREE: BACHELOR OF EDUCATION IN MATHEMATICS

Summary of major courses

General Education Courses:	26 cr
Major Courses:	48 cr
Core Courses:	47 cr
Minor Courses:	15 cr
Total:	136 cr

List of Major Courses in Mathematics

Code	Course	Credits	Pre-requisite
MATH 119	Calculus I	3	None

MATH 128	Calculus II	3	Calculus I
MATH 226	Ordinary Differential Equations	3	None
MATH 227	Mathematical Methods	2	None
SMTM 316	Special Methodology of Teaching Mathematics	2	None
STAT 223	Probability and Statistics	3	Descriptive Statistics
MATH 316	Linear Algebra	3	None
MATH 315	Real Analysis	2	None
MATH 318	Analytical Geometry	3	None
MATH 319	Numerical Analysis	3	None
MATH 325	General Topology	3	None
MATH 324	Functional Analysis	3	None
MATH 321	Partial Differential Equations	3	Ordinary Differential Equations
MATH 327	Complex Analysis	3	None
MATH 328	Abstract Algebra	3	None
EDRE 421	Research Project (Memoire)	6	100 credits
Total		48	

Description of Major Courses in Mathematics

MATH 119 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 128 Calculus II

3 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, reparametrization 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 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. **Prerequisite: MATH 226 Ordinary Differential 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 421 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-Economic 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, and 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.

COURSE DISTRIBUTION PER YEAR AND PER SEMESTER

Year 1, Semester 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 115	General English	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 1, 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 124	Academic English Writing	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 1, Summer Semester 3

Code	Course	Credits	Theory	Practice	SDL	Total
MATH 319	Numerical Analysis	3	30	15	90	135
EDPC 215	Human Developmental Psychology	3	30	15	90	135
STAT 223	Probability and Statistics	3	30	15	90	135
	Total	9	90	45	270	405

Year 2, Semester 1

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 327	Inclusive Education	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
STAT 215	Inferential Statistics in Education	3	30	15	90	135
	Total	15	180	75	540	675

Year 2, Semester 2

Code	Course	Credits	Theory	Practice	SDL	Total
MATH 226	Ordinary Differential equations	3	30	15	90	135
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
ECON 313	Macroeconomics	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
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 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
MATH 315	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
SMTM 317	Special Methodology of Teaching Mathematics	2	20	10	60	90
	Total	18	180	90	540	810

Year 3, Semester 2

Code	Course	Credits	Theory	Practice	SDL	Total
ECON 314	Statistics for Economics	3	30	15	90	135
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 326	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
	Total	18	180	90	540	810

Year 3, Summer Semester 3

Code	Course	Credits	Theory	Practice	SDL	Total
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 421	Research Project (Memoire)	6	60	30	180	270
	Total	16	160	80	480	720

PART TIME-4 YEAR PROGRAMME

COURSE DISTRIBUTION PER YEAR AND PER SEMESTER

Year 1, Semester 1

Code	Course	Credits	Theory	Practice	SDL	Total
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ENGL 115	General English	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 118	Introduction to Computer Applications	3	30	15	90	135
	Total	18	180	90	540	810

Year 1, 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 123	Academic English Writing	3	30	15	90	135
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 2, Semester 1

Code	Course	Credits	Theory	Practice	SDL	Total
MATH 314	Numerical Analysis	3	30	15	90	135
EDPC 215	Human Developmental Psychology	3	30	15	90	135
STAT 225	Probability and Statistics	3	30	15	90	135
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	18	180	90	540	810

Year 2, Semester 2

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 325	Inclusive Education	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
STAT 216	Inferential Statistics in Education	3	30	15	90	135
MATH 226	Ordinary Differential equations	3	30	15	90	135

	Total	18	180	90	540	810
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Year 3, Semester 1

Code	Course	Credits	Theory	Practice	SDL	Total
MATH 318	Abstract Algebra	3	30	15	90	135
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
ECON 313	Macroeconomics	3	30	15	90	135
	Total	18	180	90	540	810

Issuance of A1 (Exit Award) on request

Year 3, Semester 2

Code	Course	Credits	Theory	Practice	SDL	Total
EDAD 322	Sociology of Education	2	20	10	60	90
EDAD 412	Economics of Education	2	20	10	60	90
EDAD 413	Comparative Education	2	20	10	60	90
MATH 314	Real Analysis	2	20	10	60	90
ECON 216	Mathematical Economics	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
SMTE 316	Special Methodology of Teaching Mathematics	2	20	10	60	90
	Total	18	180	90	540	810

Year 4, Semester 1

Code	Course	Credits	Theory	Practice	SDL	Total
ECON 314	Statistics for Economics	3	30	15	90	135
EDAD 411	Educational Planning	2	20	10	60	90
MATH 322	Functional Analysis	3	30	15	90	135
ECON 327	Economic Development, Planning and Policy	3	30	15	90	135
EDAD 326	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
	Total	18	180	90	540	810

Year 4, Semester 2

Code	Course	Credits	Theory	Practice	SDL	Total
ECON 328	Computer Skills for Economics	3	30	15	90	135
EDTE 327	Teaching Practice	4	40	20	120	180

EDRE 421	Research Project	6	60	30	180	270
	Total	13	130	65	390	585

DEPARTMENT OF ACCOUNTING

DEGREE: BACHELOR OF EDUCATION IN ACCOUNTING

Summary of major courses

General Education Courses: 26 cr

Major Courses: 48 cr

Core Courses: 47 cr

Minor Courses: 15 cr

Total: 136 cr

List of Major Courses in Accounting

Code	Course	Credits	Prerequisite
MATH 121	Business Mathematics	3	None
MGTM 124	Principles of Management	3	None
ACCT 125	Principles of Accounting II	3	Principles of Accounting I
ECON 126	Microeconomics	3	None
BSAD 214	Business Law	3	None
BSAD 228	Business Communication	3	Academic English Writing
ACCT 214	Intermediate Accounting I	3	Principles of Accounting II
ECON 216	Macroeconomics	3	Microeconomics
ACCT 224	Intermediate Accounting II	3	Intermediate Accounting I
MKTG 225	Principles of Marketing	3	Microeconomics
BSAD 315	Human Resource Management	3	Principles of Management
BSAD 324	Financial Management	3	Intermediate Accounting I
SMTA 221	Special Methodology of Teaching Accounting	3	Principles of Accounting I
ACCT 324	Cost Accounting	3	Intermediate Accounting II
EDRE 421	Research Project	6	

Total		48	
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Description of Major Courses in Accounting

MATH 121 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 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. **Prerequisite:**

ACCT 125 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 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.

BSAD 214 Business Law 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 228 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 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 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 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 1303.**

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 1304**

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 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 324 Financial Management 3 credit.

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 324 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 324 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 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 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/ INSY 229 Computer Networks

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 217 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 313 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 226 Management Information Systems**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.

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.**

Course Distribution per Year and Per Semester**Year 1, Semester 1**

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 115	General English	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 121	Business Mathematics	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 118	Introduction to Computer Applications	3	30	15	90	135
	Total	18	180	90	540	810

Year 1, Semester 2

Code	Course	Credits	Theory	Practice	SDL	Total
ACCT 125	Principles of Accounting II	3	30	15	90	135
EDTE 222	Instructional Technology	2	20	10	60	90
EDPC 215	Human Developmental Psychology	3	30	15	90	135
ENGL 124	Academic English Writing	3	30	15	90	135
EDPC 216	Educational Psychology	2	20	10	60	90
RELT 123	Bible Doctrines	3	30	15	90	135
STAT 122	Descriptive Statistics	3	30	15	90	135
	Total	19	190	95	570	855

Year 1, Summer Semester 3

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 325	Inclusive Education	3	30	15	90	135
HELT 213	Health Principles	2	20	10	60	90
MGMT 124	Principles of Management	3	30	15	90	135
	Total	8	80	40	240	360

Year 2, Semester 1

Code	Course	Credits	Theory	Practice	SDL	Total
BSAD 214	Business Law	3	30	15	90	135
EDTE 223	Introduction of the Teaching Professional	2	20	10	60	90
EDTE 313	Classroom Test, Measure and Evaluation	2	20	10	60	90
EDTE 226	Principles of Teaching	2	20	10	60	90
BSAD 315	Human Resource Management	3	30	15	90	135
STAT 216	Inferential Statistics in Education	3	30	15	90	135
	Total	15	150	75	450	675

Year 2, Semester 2

Code	Course	Credits	Theory	Practice	SDL	Total
BSAD 228	Business Communication	3	30	15	90	135
ECON 216	Microeconomics	3	30	15	90	135
EDTE 312	Foundations and Curriculum Development	3	30	15	90	135
ACCT 214	Intermediate Accounting I	3	30	15	90	135
EDAD 313	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
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Issuance of A1 (Exit Award) on request

Year 2, Summer Semester 3

Code	Course	Credits	Theory	Practice	SDL	Total
ECON 216	Macroeconomics	3	30	15	90	135
EDAD 323	Sociology of Education	2	20	10	60	90
ACCT 224	Intermediate Accounting II	3	30	15	90	135
	Total	8	80	40	240	360

Year 3, Semester 1

Code	Course	Credits	Theory	Practice	SDL	Total
EDAD 412	Economics of Education	2	20	10	60	90
EDAD 413	Comparative Education	2	20	10	60	90
EDAD 411	Educational Planning	2	20	10	60	90
MKTG 225	Principles of Marketing	3	30	15	90	135
INSY 217	Database Management Systems	3	30	15	90	135
ACCT 324	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 3, Semester 2

Code	Course	Credits	Theory	Practice	SDL	Total
SMTA 324	Special Methodology of Teaching Accounting	2	20	10	60	90
INSY 229	Computer Networks	3	30	15	90	135
INSY 313	Accounting Software	3	30	15	90	135
EDAD 326	Pedagogy and History of Education	2	20	10	60	90
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
INSY 226	Management Information Systems	3	30	15	90	135
INSY 214	Computer Maintenance	3	30	15	90	135
	Total	18	180	90	540	810

Year 3, Summer Semester 3

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 327	Teaching Practice	4	40	20	120	180
EDRE 421	Research Project	6	60	30	180	270
	Total	10	130	65	390	585

PART TIME - 4 YEAR PROGRAMME

COURSE DISTRIBUTION PER YEAR AND PER SEMESTER

YEAR ONE SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 115	General English	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 121	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 118	Introduction to Computer Applications	3	30	15	90	90
	Total	18	180	90	540	810

YEAR ONE SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
ACCT 125	Principles of Accounting II	3	30	15	90	135
HELT 213	Health Principles	2	20	10	60	90
ENGL 124	Academic English Writing	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 122	Descriptive Statistics	3	30	15	90	135
	Total	18	180	90	540	810

YEAR TWO SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 325	Inclusive Education	3	30	15	90	135
ECON 126	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 225	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 413	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 228	Business Communication	3	30	15	90	135
INSY 214	Computer Maintenance	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 326	Pedagogy and History of Education	2	20	10	60	90
ACCT 214	Intermediate Accounting I	3	30	15	90	135
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
EDAD 324	Foundations of School Administration	3	30	15	45	135
	Total	17	170	85	510	675

YEAR THREE SEMESTER 2

Code	Course	Credits	Theory	Practice	SDL	Total
ECON 216	Macroeconomics	3	30	15	90	135
ACCT 224	Intermediate Accounting II	3	30	15	90	135
SMTA 324	Special Methodology of Teaching TTC	2	20	10	60	90
INSY 229	Computer Networks	3	30	15	90	135
EDAD 413	Comparative Education	2	20	10	60	90
EDAD 411	Educational Planning	2	20	10	60	90
STAT 216	Inferential Statistics in Education	3	30	15	90	135

	Total	18	180	90	540	810
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YEAR FOUR SEMESTER 1

Code	Course	Credits	Theory	Practice	SDL	Total
INSY 217	Database Management Systems	3	30	15	90	135
BSAD 324	Financial Management	3	30	15	90	135
MKTG 225	Principles of Marketing	3	30	15	90	135
ACCT 324	Cost Accounting	3	30	15	90	135
INSY 313	Accounting Software Application	3	30	15	90	135
INSY 226	Management Information System	3	30	15	90	135
	Total	18	180	90	540	810

YEAR FOUR SEMESTER 2

Code	Course Name	Credits	Theory	Practice	SDL	Total
EDTE 442	Teaching Practice	4	40	20	120	180
EDRE 421	Research Project	6	60	30	180	270
	Total	10	100	50	300	450

DEPARTMENT OF INFORMATION MANAGEMENT

DEGREE: BACHELOR OF EDUCATION IN INFORMATION MANAGEMENT

Summary of major courses

General Education Courses:	26 cr
Major Courses:	48 cr
Core Courses:	47 cr
Minor Courses:	15 cr
Total:	136 cr

List of Major Courses in Information Technology

Code	Course	Credits	Pre-requisite
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INSY 125	Introduction to Information Management	3	None
INSY 323	Object Oriented Programming with C + +	5	Programming With C
INSY 217	Database Management Systems	3	Programming With C
INSY 317	Database Development PL/SQL	4	Database Management Systems
INSY 228	Programming With C	4	Algorithms
INSY 214	Computer Maintenance	3	Introduction to Information Management
INSY 216	Algorithms	4	Introduction to Information Management
SMTI 313	Special Methodology of Teaching Computer	2	Introduction to Information Management
INSY 311	Computer Networks	4	Computer Maintenance
INSY 324	Java Programming	4	Object Oriented Programming with C + +
INSY 329	Operating System	4	Computer Maintenance
INSY 226	Management Information System	3	None
EDRE 321	Research Project (Memoire)	6	100 credits
Total		140	

Description of Major Courses in Information of Technology

INSY 118 Introduction to 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.

INSY 323 Object Oriented Programming with C + +

5 credits

With this course students learn the fundamental concepts of OOP (classes, depending friends, constructors, and 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 229.**

INSY 217 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 317 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 217.**

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 118.**

INSY 227 Introduction to 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 118.**

MTCO 315 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 329 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

stockholders 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 314.**

ACCT 324 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 224.**

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. **Prerequisite: ACCT 111.**

COURSE DISTRIBUTION PER YEAR AND PER SEMESTER

Year 1, Semester 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 115	General English	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 118	Introduction to Computer Application	3	30	15	90	135
	Total	18	180	90	540	810

Year 1, 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 124	Academic English Writing	3	30	15	90	135
EDPC 216	Educational Psychology	2	20	10	60	90
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 1, Summer Semester 3

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 327	Inclusive Education	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
INSY 214	Computer Maintenance	3	30	15	90	135
EDTE 223	Introduction of the Teaching Professional	2	20	10	60	90
EDTE 313	Classroom Test, Measure and Evaluation	2	20	10	60	90
EDTE 226	Principles of Teaching	2	20	10	60	90
INSY 226	Management Information System	3	30	15	90	135
STAT 216	Inferential Statistics in Education	3	30	15	90	135
	Total	15	150	75	540	675

Year 2, Semester 2

Code	Course	Credits	Theory	Practice	SDL	Total
EDAD 326	Pedagogy and History of Education	2	20	10	60	90
INSY 227	Introduction to Computer Programming	4	40	20	120	180
EDTE 319	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	4	45	30	150	225
	Total	9	90	45	270	405

Year 3, Semester 1

Code	Course	Credits	Theory	Practice	SDL	Total
EDAD 323	Sociology of Education	2	20	10	60	90
EDAD 412	Economics of Education	2	20	10	60	90
EDAD 413	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 125	Principles of Accounting II	3	30	15	90	135
MTCO 315	Special Methodology of Teaching Computer	2	20	10	60	90
ACCT 214	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 411	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 217	Database Management Systems	3	30	15	90	135
MGTM 124	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
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ACCT 324	Cost Accounting	3	30	15	90	135
EDTE 422	Teaching Practice	4	40	20	120	180
EDRE 421	Research Project (Memoire)	6	60	30	180	270
	Total	13	130	65	390	585

PART TIME-4 YEAR PROGRAMME
COURSE DISTRIBUTION PER YEAR AND PER SEMESTER

Year 1, Semester 1

Code	Course	Credits	Theory	Practice	SDL	Total
ENGL 115	General English	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 229	Computer Networks	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 118	Introduction to Computer Applications	3	30	15	90	135
	Total	18	180	90	540	810

Year 1, 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 123	Academic English Writing	3	30	15	90	135
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 2, Semester 1

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 325	Inclusive Education	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
INSY 324	Java Programming	4	40	20	120	180
INSY 323	Object Oriented Programming with C++	4	40	20	120	180

	Total	18	180	90	540	810
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Year 2, Semester 2

Code	Course	Credits	Theory	Practice	SDL	Total
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 216	Inferential Statistics in Education	3	30	15	90	135
EDAD 213	Entrepreneurship and Project Management	3	30	15	90	135
	Total	18	180	90	540	810

Year 3, Semester 1

Code	Course	Credits	Theory	Practice	SDL	Total
EDAD 326	Pedagogy and History of Education	2	20	10	60	90
INSY 227	Introduction to Computer Programming	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
ACCT 215	Intermediate Accounting I	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 3, Semester 2

Code	Course	Credits	Theory	Practice	SDL	Total
EDAD 322	Sociology of Education	2	20	10	60	90
EDAD 412	Economics of Education	2	20	10	60	90
EDAD 413	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 125	Principles of Accounting II	3	30	15	90	135
SMTI 313	Special Methodology of Teaching IT	2	20	10	60	90
INSY 212	Database Management Systems	3	30	15	90	135
	Total	18	180	90	540	810

Year 4, Semester 1

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
ACCT 313	Cost Accounting	3	30	15	90	135
MGTM 124	Principles of Management	3	30	15	90	135
	Total	17	270	85	510	765

Year 4, Semester 2

Code	Course	Credits	Theory	Practice	SDL	Total
EDTE 327	Teaching Practice	4	40	20	120	180
EDRE 421	Research Project	6	60	30	180	270
	Total	10	100	50	300	450

FACULTY OF TECHNOLOGY

Introduction

Majors

The bachelor of Information Technology is made of the following Majors:

- **Information Management**
- **Networks and Communication Systems**
- **Software Engineering**

Objectives of the Faculty

The programs 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 program 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

Summary of Courses

The bachelor of Information Technology is made of the following subdivisions:

General Education	26
Core (Professional) Courses in Information Technology	68
Major (Concentration)	42
TOTAL OF CREDITS	137

LIST OF CORE (PROFESIONAL) COURSES IN INFORMATION TECHNOLOGY

Code	Course Name	Credits	Prerequisite
AMAT 111	Applied Mathematics	3	NONE
MATH 127	Digital Computer Fundamentals	3	Applied Mathematics
INSY 214	Computer Maintenance	3	Introduction to Computer Applications
INSY 217	Database Management Systems	3	Introduction to Computer Applications
STAT 223	Probability and Statistics	3	Descriptive Statistics
INSY 226	Management Information Systems	3	Introduction to Computer Applications
INSY 227	Introduction to Computer Programming	4	Introduction to Computer Applications
INSY 228	Programming with C	4	Introduction to Computer Programming
INSY 230	Object-Oriented Programming	4	Programming with C
INSY 310	Data Structures and Algorithms	4	Programming with C
INSY 321	Software Engineering	3	Database Management Systems
INSY 324	Java Programming	4	Object-Oriented Programming
INSY 329	Operating Systems	4	Computer Networks
INSY 229	Computer Networks	4	Computer Maintenance
COSC 417	Introduction to Linux	3	Operating Systems
COSC 419	Web Design	2	Programming with C
INSY 413	Web Technology	4	Java Programming
INSY 422	Internship	4	Minimum 100 Credits and Java Programming
INSY 430	Final Year Project	6	Java Programming
	TOTAL	68	

Description of Core (Professional) courses

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**

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, the foundations and their digital conversations, combinatorial logic, Sequential logics, Data Processing and storage. **Prerequisite: AMAT 111 Applied Math**

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 217 Databases Management System (DBMS) 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

STAT 223 Probability and Statistics

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. Combinatory theory and introduction to the probability: axioms, conditional, independence and Baye's theorem. **Prerequisite: STAT 122**

Descriptive Statistics

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. It includes the use of business software such as network systems, data base implementations, statistic packages, forecasting programs, and simulations. **Prerequisite: INSY 217 DBMS Database Mangement Systems**

INSY 227 Introduction to Computer Programming

3 Credits

The course consists of the Overview of the Mental Landscape, Programming in the Small I: Names and Things, Programming in the Small II: Control, Programming in the Large I: Subroutines, Programming in the Large II: Objects and Classes, Introduction to GUI Programming. Arrays and Array Lists, Correctness, Robustness, Efficiency, Linked Data Structures and Recursion, Generic Programming and Collection Classes, Input/output Streams, Files, and Networking, Threads and Multiprocessing, GUI Programming Continued. **Prerequisite: INSY 118. Introduction to Computer Applications**

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 323 Object Oriented Programming in Java 4 Credits

With this course students learn the fundamental concepts of OOP (classes, depending friends, constructors, and 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 310 Data Structure and Algorithms 4 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 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 provides 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 CASEtools. 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**

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 introduce the best practices of Java application persistence layer management using Hibernate framework. **Prerequisites: INSY 229, Object Oriented Programming**

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

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**

COSC 417 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 411. Computer Networks**

COSC 419 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 228, Programming with C.**

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, phishing 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: INSY 324, Java Programming**

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. **Prerequisite: INSY 413. Web Technology / COSC 421 Advanced Computer Networks**

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**

DEPARTMENT OF INFORMATION MANAGEMENT**DEGREE: BACHELOR OF SCIENCE IN INFORMATION MANAGEMENT****Summary of Courses**

General Education Courses	26
Core (Professional) Courses in Information Management	68
Major (Concentration)	43
TOTAL OF CREDITS	137

Structure and Degree Requirements for Graduation

In order for AUCA student to graduate with the degree of Bachelor of Science (Major: Information Management), 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) and Major Courses

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

MAJOR COURSES IN INFORMATION MANAGEMENT

Code	Course Name	Credits	Prerequisite
MGMT 124	Principles of Management	3	None
ACCT 125	Principles of Accounting II	3	Principles of Accounting I
ACCT 214	Intermediate Accounting I	3	Principles of Accounting II
ACCT 224	Intermediate Accounting II	3	Intermediate Accounting I
ACCT 312	Advanced Accounting I	3	Intermediate Accounting II
INSY 317	Database development with PL/SQL	4	Database Management Systems
INSY 423	Dot Net	4	Object Oriented Programming
INSY 425	Introduction to Big Data	3	Probability and Statistics
INSY 426	Mobile Programming	4	Java Programming
INSY 419	System Analysis & Design	4	Java Programming
INSY 326	Information Security	3	Management Information System
INSY 328	E-Commerce	3	NONE
INSY 427	Emerging Technologies	3	NONE
	TOTAL	46	

Description of major/concentration courses in Information Management

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. **Prerequisite: ACCT 112 Principles of Accounting I**

ACCT 125 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 Principles of Accounting I**

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 Principles of Accounting II**

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 Intermediate Accounting I**

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. Intermediate Accounting II**

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 125 *Principles of Accounting. II*

INSY 317 Database 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 concepts of PL/SQL are discussed with the triggers, stored procedures, functions and packages. *Prerequisite:* INSY 217 *Data Base Management System.*

INSY 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:*** INSY 323

Object Oriented Programming (OOP)

INSY 425 Introduction to Big Data

3 Credits

The explosion of social media and the computerization of every economic aspect of activity have 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 426 Mobile Programming

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 completes this course should be able create and deploy Android applications, to program an event-based application for mobile devices, to write and deploy a 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, Networkcommunication and publishing an app. *Prerequisites: INSY 324 Java Programming*

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*

INSY 326 Information Security**3 Credits**

Describe the importance of and requirements for information security focusing on confidentiality, integrity, and availability of information. Define various types of attacks, and how they're spread and executed, evaluate and implement methods available to protect information systems, including operating system features and utilities. Design secure network topologies utilizing physical security, firewalls, VPNs, and other protection features. Monitor and log activity on computers and networks using intrusion detection and prevention systems. Evaluate common open source and commercial security applications. Apply research skills to identify and correct potential security vulnerabilities. The course will include the following content: Attacks and threats to information systems, Risk assessment, Hardening operating systems and networks, Malicious software, Securing and protecting data and storage, Cryptography, Authentication and access control, Network and internet security, Firewalls, VPNs, and intrusion detection systems, Security testing, logging, and auditing, Incident investigation and management. **Prerequisite:** **INSY 226 MIS**

INSY 328 E-Commerce**2 credits**

Analyze how the internet and e-commerce adds value to an entrepreneur's industry and business. Identify and assess e-commerce opportunities and initiative(s) which will be most beneficial for the entrepreneur's industry. Evaluate critical success factors for maximizing e-commerce initiatives relating to the entrepreneur's business. Develop and apply appropriate e-commerce initiatives to support the entrepreneur's business.

This course will explore the business models of software disruptors of the west such as Apple, Google, Facebook and Amazon, and the east such as Xiaomi and weChat. The class uses a structured framework for analyzing business models with numerous examples so that students can apply it to their own business or case study.

The course will include the following content: Overview of E-commerce, E-commerce and various technologies, including online, payment systems, Business to Business E-commerce, Business to Customer E-commerce, E-marketing and advertising, Privacy Issues, E-commerce Opportunities and Implementation, Managing E-commerce, E-commerce and small business, Digital Business models and Digital Marketing. *Prerequisite: None*

INSY 427 Emerging Technologies**3 Credits**

Upon successful completion of this course, the student will be able to: 1. Explain in your own words and evaluate the role of state-of-the-art digital technology on changing society 2. Examine and evaluate emerging technologies, such as advanced broadband, nanotechnology, visualization, internet of things, mobile communications, data mining, analytics, social media, robotics, wearables, and online education 3. Understand the effects of design on development of emerging technologies 4. Explain and appraise the importance of ethical and socio-cultural impacts and geographical inequalities of the digital revolution 5. Synthesize the most important overall trends in digital technologies and the economic and social consequences of them. The course will have these major Topics: •History and principles of innovation • Robotics • Artificial intelligence, information filtering •Sharing economy •Accessing information and digital divide •Emerging cloud and mobile environments •Spatial big data as emerging technology •Automated driving •Architecture as an information interface •Analytics and social media •Wearables •Social impacts of innovations •Designing for future technologies. *Prerequisite: None*

Distribution of Courses by Semester and Exit award

YEAR 1

Semester 1

Code	Course Name	Credits	Theory	Practical	SDL	Total
AMAT 111	Applied Mathematics	3	30	15	90	135
INSY 118	Introduction to Computer Applications	3	30	15	90	135
EDRM 113	Study and Research Methods	2	20	10	60	90
ENGL 115	General English	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
ACCT 112	Principles of Accounting I	3	30	15	90	135
MGMT 124	Principles of Management	3	30	15	90	135
	TOTAL	19	190	95	570	855

YEAR 1

Semester 2

Code	Course Name	Credits	Theory	Practical	SDL	Total
STAT 122	Descriptive Statistics	3	30	15	90	135
ACCT 125	Principles of Accounting II	3	30	15	90	135
INSY 227	Introduction to Computer Programming	4	40	20	120	180
ENGL 124	Academic English Writing	3	30	15	90	135
MATH 127	Digital Computer Fundamentals	3	30	15	90	135
INSY 214	Computer Maintenance	3	30	15	90	135
	TOTAL	19	190	95	570	855

YEAR 1

Semester 3 (Summer)

Code	Course Name	Credits	Theory	Practical	SDL	Total
STAT 223	Probability and Statistics	3	30	15	90	135
ACCT 214	Intermediate Accounting I	3	30	15	90	135
INSY 217	Database Management Systems	3	30	15	90	135
	TOTAL	9	90	45	270	405

YEAR 2

Semester 1

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 228	Programming with C	4	40	20	120	180
RELT 123	Bible Doctrines	3	30	15	90	135
INSY 321	Software Engineering	3	30	15	90	135
INSY 317	Database development with PL/SQL	4	40	20	120	180
INSY 229	Computer Networks	4	40	20	120	180
	TOTAL	18	180	90	540	810

YEAR 2**Semester 2**

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 230	Object Oriented Programming	4	40	20	120	180
HELT 213	Health Principles	2	20	10	60	90
COSC 419	Web Design	2	20	10	60	90
ACCT 224	Intermediate Accounting II	3	30	15	90	135
INSY 310	Data Structure and Algorithm	4	40	20	120	180
INSY 226	Management Information System (MIS)	3	30	15	90	135
	TOTAL	18	180	90	540	810

YEAR 2**Semester 3 (Summer)**

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 328	E-Commerce	3	30	15	90	135
INSY 326	Information Security	3	30	15	90	135
ACCT 312	Advanced Accounting I	3	30	15	90	135
	TOTAL	9	90	45	270	405

YEAR 3**Semester 1**

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 417	Java Programming	4	40	20	120	180
INSY 329	Operating Systems	4	40	20	120	180
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
COSC 417	Introduction to Linux	3	30	15	90	135
INSY 419	System Analysis & Design	4	40	20	120	180
	TOTAL	17	170	85	510	765

YEAR 3**Semester 2**

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 413	Web Technology	4	40	20	120	180
INSY 426	Mobile Programming	3	30	15	90	135
INSY 425	Introduction to Big Data	3	30	15	90	135
INSY 427	Emerging Technologies	3	30	15	90	135
INSY 423	Dot Net	4	40	20	120	180
	TOTAL	17	170	85	510	765

YEAR 3**Semester 3 (Summer)**

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 422	Internship	4	40	20	120	180
INSY 430	Final Year Project	6	60	30	180	270
	TOTAL	10	100	50	300	450

Distribution of Courses by Semester Information Management

YEAR 1

Semester 1

Code	Course Name	Credits	Theory	Practical	SDL	Total
AMAT 111	Applied Mathematics	3	30	15	90	135
INSY 118	Introduction to Computer Applications	3	30	15	90	135
ENGL 115	General English	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
ACCT 112	Principles of Accounting I	3	30	15	90	135
	TOTAL	14	140	70	420	630

YEAR 1

Semester 2

Code	Course Name	Credits	Theory	Practical	SDL	Total
EDRM 113	Study and Research Methods	2	20	10	60	90
MGMT 124	Principles of Management	3	30	15	90	135
INSY 227	Introduction to Computer Programming	4	40	20	120	180
HELT 213	Health Principles	2	20	10	60	90
MATH 127	Digital Computer Fundamentals	3	30	15	90	135
	TOTAL	14	140	70	420	630

YEAR 1

Semester 3 (Summer)

Code	Course Name	Credits	Theory	Practical	SDL	Total
RELT 123	Bible Doctrines	3	30	15	90	135
ENGL 124	Academic English Writing	3	30	15	90	135
	TOTAL	6	60	30	180	270

YEAR 2

Semester 1

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 228	Programming with C	4	40	20	120	180
INSY 214	Computer Maintenance	3	30	15	90	135
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
ACCT 125	Principles of Accounting II	3	30	15	90	135
STAT 122	Descriptive Statistics	3	30	15	90	135
	TOTAL	15	150	75	450	675

YEAR 2**Semester 2**

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 229	Computer Networks	4	40	20	120	180
INSY 217	Database Management Systems	3	30	15	90	135
ACCT 214	Intermediate Accounting I	3	30	15	90	135
INSY 230	Object Oriented Programming	4	40	20	120	180
	TOTAL	14	140	70	420	630

YEAR 2**Semester 3 (Summer)**

Code	Course Name	Credits	Theory	Practical	SDL	Total
STAT 223	Probability and Statistics	3	30	15	90	135
INSY 321	Software Engineering	3	30	15	90	135
	TOTAL	6	60	30	180	270

YEAR 3**Semester 1**

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 317	Database development with PL/SQL	4	40	20	120	180
ACCT 224	Intermediate Accounting II	3	30	15	90	135
INSY 310	Data Structure and Algorithm	4	40	20	120	180
INSY 226	Management Information System	3	30	15	90	135

	TOTAL	14	140	70	420	630
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YEAR 3

Semester 2

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 328	E-Commerce	3	30	15	90	135
INSY 326	Information Security	3	30	15	90	135
INSY 417	Java Programming	4	40	20	120	180
INSY 329	Operating Systems	4	40	20	120	180
	TOTAL	14	140	70	420	630

YEAR 3

Semester 3 (Summer)

Code	Course Name	Credits	Theory	Practical	SDL	Total
COSC 419	Web Design	2	20	10	60	90
ACCT 312	Advanced Accounting I	3	30	15	90	135
	TOTAL	5	50	25	150	225

YEAR 4

Semester 1

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 413	Web Technology	4	40	20	120	180
COSC 417	Introduction to Linux	3	30	15	90	135
INSY 419	System Analysis & Design	4	40	20	120	180
INSY 425	Introduction to Big Data	3	30	15	90	135
	TOTAL	14	140	70	420	630

YEAR 4

Semester 2

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 422	Internship	4	40	20	120	180
INSY 426	Mobile Programming	3	30	15	90	135
INSY 427	Emerging Technologies	3	30	15	90	135
INSY 423	Dot Net	4	40	20	120	180

	TOTAL	14	140	70	420	630
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YEAR 4

Semester 3 (Summer)

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 430	Final Year Project	6	60	30	180	270
	TOTAL	6	60	30	180	270

DEPARTMENT OF SOFTWARE ENGINEERING

DEGREE: BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING

Summary of Courses

General Education Courses	26
Core (Professional) Courses in Information Management	68
Major (Concentration)	43
TOTAL OF CREDITS	137

Structure and Degree Requirements for Graduation

In order for AUCA student to graduate with the degree of Bachelor of Science (Major: Information Management), 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) and Major Courses

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

MAJOR COURSES IN SOFTWARE ENGINEERING

Code	Course Name	Credits	Prerequisites
MATH 126	Multivariable Calculus and ODE	4	Applied Mathematics
SENG 224	Theory of Computation	3	Digital Computer Fundamentals
INSY 317	Database development with PL/SQL	4	Database Management Systems
SENG 322	Software Testing Techniques	3	Java Programming
SENG 325	Requirements Engineering	3	Software Engineering
SENG 412	Software Project Management	3	Software Engineering
SENG 413	Software Quality Assurance	3	Software Engineering
SENG 414	Software Modeling & Design	4	Software Engineering
SENG 421	Software Security	3	Computer Networks
SENG 422	Best Programming Practice & Design Patterns	3	Java Programming
INSY 423	Dot Net	4	Object-Oriented Programming
INSY 425	Introduction to Big Data	3	Programming with C
INSY 426	Mobile programming	3	Object-Oriented Programming
	TOTAL	43	

Description of major/concentration courses in Software Engineering

MATH 126 Multivariable Calculus and Ordinary Differential Equations 4 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 and Fourier Series. *Prerequisite: AMAT 111 Applied Maths*

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 automat 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. *Prerequisite: MATH 127 Digital Computer Fundamentals*

INSY 317 Database 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 concepts of PL/SQL are discussed with the triggers, stored procedures, functions and packages. *Prerequisite: INSY 217 Data Base Management System.*

SENG 322 Software Testing Technics**3 Credits**

The course gives the 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 Programmin*

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*

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*

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: INSY 321 Software Engineering.*

SENG 415 Software Modeling & Design

3 Credits

Part 1: 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).

Part 2: 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: INSY 321 Software Engineering.*

SENG 421 Software Security

3 Credits

The students have basic knowledge on how software can be created and maintained with security in mind, i.e. deviation from expected functionality owing to interaction with an adversary. They understand attack patterns, e.g. buffer overflows, format string problems, command injection and cross-site scripting. The students have an overview of existing techniques, classes of tools and the methods used in software development today.

The Course content will discuss the following: Secure software development lifecycle, Low level and application related vulnerability analysis, Security requirement and secure design, Secure coding practices and software inspection, Security testing. *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 analyzing 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 fulfill 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, behavioral 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 Programming*

INSY 423 Dot Net

4 Credits

Introduction to ASP.NET From ASP to ASP.NET (Web Forms Web Services, ASP.NET Features), Web Forms Architecture, ASP.NET and HTTP, Web Applications Using Visual Studio, State Management and Web Applications, Server Controls, Caching in ASP.NET, ASP.NET Configuration and Security Fundamentals, Debugging, Diagnostics and Error Handling, More Server Controls, ADO.NET and LINQ, Data Access in ASP.NET, Personalization and Security, Introduction to ASP.NET AJAX, HTTP Pipeline. *Prerequisite: INSY 321 Software Engineering.*

INSY 425 Introduction to Big Data

3 Credits

The explosion of social media and the computerization of every economic aspect of activity have 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 426 Mobile Programming 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, Networkcommunication and publishing an app. *Prerequisites: INSY 324 Java Programming*

Distribution of Courses by Semester

YEAR 1

Semester 1

Code	Course Name	Credits	Theory	Practical	SDL	Total
AMAT 111	Applied Mathematics	3	30	15	90	135
INSY 118	Introduction to Computer Applications	3	30	15	90	135

EDRM 113	Study and Research Methods	2	20	10	60	90
ENGL 115	General English	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
ACCT 112	Principles of Accounting I	3	30	15	90	135
	TOTAL	16	160	80	480	720

YEAR 1

Semester 2

Code	Course Name	Credits	Theory	Practical	SDL	Total
STAT 122	Descriptive statistics	3	30	15	90	135
INSY 227	Introduction to Computer Programming	4	40	20	120	180
HELT 213	Health Principles	2	20	10	60	90
MATH 126	Multivariable Calculus and ODE	4	40	20	120	180
MATH 127	Digital Computer Fundamentals	3	30	15	90	135
INSY 214	Computer Maintenance	3	30	15	90	135
	TOTAL	19	190	95	570	855

YEAR 1

Semester 3 (Summer)

Code	Course Name	Credits	Theory	Practical	SDL	Total
ENGL 124	Academics English Writing	3	30	15	90	135
STAT 223	Probability and Statistics	3	30	15	90	135
INSY 321	Software Engineering	3	30	15	90	135
	TOTAL	9	90	45	270	405

YEAR 2

Semester 1

Course Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 228	Programming with C	4	40	20	120	180
INSY 411	Computer Networks	4	40	20	120	180
INSY 217	Database Management Systems	3	30	156	90	276
SENG 224	Theory of Computation	3	30	15	90	135
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
SENG 325	Requirements Engineering	3	30	15	90	135
	TOTAL	19	190	236	570	996

YEAR 2

Semester 2

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 229	Object-Oriented Programming	4	40	20	120	180
INSY 226	Management Information Management	3	30	15	90	135

RELT 123	Bible Doctrines	3	30	15	90	135
INSY 317	Data Base development with PL/SQL	4	40	20	120	180
SENG 412	Software Project Management	3	30	15	90	135
COSC 419	Web Design	2	20	10	60	90
	TOTAL	19	190	95	570	855

YEAR 2

Semester 3 (Summer)

Code	Course Name	Credits	Theory	Practical	SDL	Total
SENG 322	Software Testing Techniques	3	30	15	90	135
COSC 417	Introduction to Linux	3	30	15	90	135
SENG 421	Software Security	3	30	15	90	135
	TOTAL	9	90	45	270	405

YEAR 3

Semester 1

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 324	Java Programming	4	40	20	120	180
SENG 414	Software Modeling & Design	4	40	20	120	180
INSY 310	Data Structures and Algorithm	4	40	20	120	180
INSY 426	Mobile programming	3	30	15	90	135
INSY 425	Introduction to Big Data	3	30	15	90	135
	TOTAL	18	180	90	540	810

YEAR 3

Semester 2

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 329	Operating Systems	4	40	20	120	180
INSY 413	Web Technology and Internet	4	40	20	120	180
SENG 413	Software Quality Assurance	3	30	15	90	135
INSY 423	Dot Net	4	40	20	120	180
SENG 422	Best Programming Practice & Design Patterns	3	30	15	90	135
	TOTAL	18	180	90	540	810

YEAR 3

Semester 3 (Summer)

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 422	Internship	4	40	20	120	180
INSY 421	Final Project	6	60	30	180	270
	TOTAL	10	100	50	300	450

Distribution of Courses by Semester Software Engineering

YEAR 1

Semester 1

Code	Course Name	Credits	Theory	Practical	SDL	Total
AMAT 111	Applied Mathematics	3	30	15	90	135
INSY 118	Introduction to Computer Applications	3	30	15	90	135
ENGL 115	General English	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
ACCT 112	Principles of Accounting I	3	30	15	90	135
	TOTAL	14	140	70	420	630

YEAR 1

Semester 2

Code	Course Name	Credits	Theory	Practical	SDL	Total
STAT 122	Descriptive statistics	3	30	15	90	135
EDRM 113	Study and Research Methods	2	20	10	60	90
INSY 227	Introduction to Computer Programming	4	40	20	120	180
HELT 213	Health Principles	2	20	10	60	90
MATH 127	Digital Computer Fundamentals	3	30	15	90	135
	TOTAL	14	140	70	420	630

YEAR 1

Semester 3 (Summer)

Code	Course Name	Credits	Theory	Practical	SDL	Total
ENGL 124	Academics English Writing	3	30	15	90	135
INSY 217	Database Management Systems	3	30	156	90	135
	TOTAL	6	90	30	180	270

YEAR 2

Semester 1

Course Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 228	Programming with C	4	40	20	120	180
INSY 214	Computer Maintenance	3	30	15	90	135
STAT 223	Probability and Statistics	3	30	15	90	135
INSY 321	Software Engineering	3	30	15	90	135
	TOTAL	14	140	211	420	771

YEAR 2

Semester 2

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

INSY 229	Object-Oriented Programming	4	40	20	120	180
SENG 325	Requirements Engineering	3	30	15	90	135
SENG 224	Theory of Computation	3	30	15	90	135
INSY 226	Management Information Management	3	30	15	90	135
	TOTAL	15	150	75	450	675

YEAR 2

Semester 3 (Summer)

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 229	Computer Networks	4	40	20	120	180
COSC 419	Web Design	2	20	10	60	90
	TOTAL	6	60	30	180	270

YEAR 3

Semester 1

Code	Course Name	Credits	Theory	Practical	SDL	Total
MATH 126	Multivariable Calculus and ODE	4	40	20	120	180
RELT 123	Bible Doctrines	3	30	15	90	135
INSY 317	Data Base development with PL/SQL	4	40	20	120	180
SENG 412	Software Project Management	3	30	15	90	135
	TOTAL	14	140	70	420	630

YEAR 3

Semester 2

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 310	Data Structures and Algorithm	4	40	20	120	180
COSC 417	Introduction to Linux	3	30	15	90	135
INSY 425	Introduction to Big Data	3	30	15	90	135
SENG 414	Software Modeling & Design	4	40	20	120	180
	TOTAL	14	140	70	420	630

YEAR 3

Semester 3 (Summer)

Code	Course Name	Credits	Theory	Practical	SDL	Total
SENG 322	Software Testing Techniques	3	30	15	90	135
SENG 421	Software Security	3	30	15	90	135
	TOTAL	6	60	30	180	270

YEAR 4

Semester 1

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 329	Operating Systems	4	40	20	120	180
INSY 423	Dot Net	4	40	20	120	180

INSY 324	Java Programming	4	40	20	120	180
SENG 413	Software Quality Assurance	3	30	15	90	135
	TOTAL	15	150	75	450	675

YEAR 4

Semester 2

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 413	Web Technology and Internet	4	40	20	120	180
INSY 426	Mobile programming	3	30	15	90	135
SENG 422	Best Programming Practice & Design Patterns	3	30	15	90	135
INSY 422	Internship	4	40	20	120	180
	TOTAL	14	140	70	420	630

YEAR 4

Semester 3 (Summer)

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 430	Final Year Project	6	60	30	180	270
	TOTAL	6	60	30	180	270

DEPARTMENT OF NETWORKS AND COMMUNICATION SYSTEMS

DEGREE: BACHELOR OF SCIENCE IN NETWORKS AND COMMUNICATION SYSTEMS

Summary of Courses

General Education Courses	26
Core (Professional) Courses in Information Management	68
Major (Concentration)	43
TOTAL OF CREDITS	137

Structure and Degree Requirements for Graduation

In order for AUCA student to graduate with the degree of Bachelor of Science (Major: Networks and Communication Systems), 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) and Major Courses

For the core (professional courses) in Networks and Communication Systems, check in the section of core courses. Major Courses (check in the following Table)

DEPARTMENT OF NETWORKS AND COMMUNICATION SYSTEMS

MAJOR COURSES IN NETWORKS & COMMUNICATION SYSTEMS

Code	Course Name	Credits	Prerequisites
MATH 126	Multivariable Calculus and ODE	4	Applied Mathematics
COSC 222	Electronic Devices and Circuits	3	Digital Computer Fundamentals
COSC 321	Routing and Switching	3	Programming with C
COSC 418	Network Security	3	Introduction to Linux
COSC 364	Network Administration	3	Routing and Switching
COSC 415	Mobile Communication	4	Digital Computer Fundamentals
COSC 313	Network Programming (TCP/IP)	3	Java Programming
COSC 413	Multimedia Computing	3	Digital Computer Fundamentals
INSY 419	System Analysis and Design	4	Software Engineering
INSY 427	Emerging Technologies	3	Web Technology
COSC 423	System Administration	3	Introduction to Linux
COSC 422	Wireless Networks	3	Mobile Communication
COSC 421	Advanced Computer Networks	4	Routing and Switching
	TOTAL	43	

Description of Major/concentration courses in Networking and Communication Systems

MATH 126 Multivariable Calculus and Ordinary Differential Equations 4 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 and Fourier Series. *Prerequisite: AMAT 111 Applied Maths*

COSC 222 Electronic Devices and Circuits 3 credits

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

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 415 Mobile Communications

4 credits

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 modeling, 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*

COSC 313 Network Programming (TCP/IP)

3 credits

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 413 Multimedia Computing

3 credits

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*

INSY 419 System Analysis & Design 4 credits

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 321 Software Engineering*

INSY 427 Emerging Technologies 3 Credits

Upon successful completion of this course, the student will be able to: 1. Explain in your own words and evaluate the role of state-of-the-art digital technology on changing society 2. Examine and evaluate emerging technologies, such as advanced broadband, nanotechnology, visualization, internet of things, mobile communications, data mining, analytics, social media, robotics, wearables, and online education 3. Understand the effects of design on development of emerging technologies 4. Explain and appraise the importance of ethical and socio-cultural impacts and geographical inequalities of the digital revolution 5. Synthesize the most important overall trends in digital technologies and the economic and social consequences of them. The course will have these major Topics: •History and principles of innovation • Robotics • Artificial intelligence, information filtering •Sharing economy •Accessing information and digital divide •Emerging cloud and mobile environments •Spatial big data as emerging technology •Automated driving

- Architecture as an information interface
- Analytics and social media
- Wearables
- Social impacts of innovations
- Designing for future technologies. *Prerequisite: None*

COSC 423 System Administration

3 credits

The course focuses on providing comprehensive understanding on •Introduction to docker and Kubernetes (Introduction to containers using Docker, Docker installation on Linux, Introduction to Docker compose, Introduction to container orchestration using Kubernetes, Installation of Kubernetes) •Development, Staging and Production environment (Git installation and basic Git command and version control, Introduction to GitHub, Introduction to collaboration including Pull, Merge, and Push) •User Management and Authentication, Authorization and Accounting (Introduction to AAA, Installation of AAA tools like FreeRadius, Tacacs, Introduction and configuration of OpenLDAP) •System and infrastructure monitoring (Installation and configuration of NAGIOS, Introduction and configuration of KIBANA, Introduction and configuration of GRAFANA). *Prerequisite: COSC 417 Introduction to Linux*

COSC 422 Wireless Networks

3 credits

History of wireless communication, and future trends, Wireless Generations and Standards, Cellular Concept and Cellular System Fundamentals, Trunking Cell Splitting and Sectoring, Mobile Radio signal propagation, path loss and channel models, Analog Modulation Schemes for Wireless Communication, Digital Modulation Techniques for Wireless Communication, Fading Counteraction, Diversity, Coding and Interleaving, Source and Channel Coding (S, R), Multiplexing and Multiple Access techniques, Spread Spectrum-CDMA, Inter-Symbol Interference (ISI), ISI mitigation; Equalization, Random Access Protocols, Wireless Networking, Wireless Standards, OFDM principles, WLAN and Bluetooth. *Prerequisite: COSC 415 Mobile Communications*

COSC 421 Advanced Computer Networks

4 credits

This course examines the current and emerging research topics in computer networking. Topics covered include network protocols, network measurement, Internet routing, peer to peer networks, network security, wireless and sensor networks. Significant emphasis will be put on **security and network management issues** related to computer networks, as these are becoming increasingly important given the growing number attacks and complexity of networks. We focus both on the existing technologies also on why some of

them are not sufficient because of technology trends or changes in fundamental assumptions. As an example, early designers of Internet assumed cooperative behavior of end nodes. The state of the art of tens of thousands of compromised hosts, i.e., zombies, completely changes this assumption and today's landscape on the Internet. Emphasis of the course is on topics in wide-area networks, wireless networks, and measurement methodologies for Internet and wireless experiments. Students are expected to carry out a research project including analysis, design, and implementation components when appropriate on a novel subject. *Prerequisite: COSC 416 Routing and Switching*

Distribution of Courses by Semester

YEAR 1

Semester 1

Code	Course Name	Credits	Theory	Practical	SDL	Total
AMAT 111	Applied Mathematics	3	30	15	90	135
INSY 118	Introduction to Computer Applications	3	30	15	90	135
EDRM 113	Study and Research Methods	2	20	10	60	90
ENGL 115	General English	3	30	15	90	135
RELB 116	Introduction to Bible Study	2	20	10	60	90
ACCT 112	Principles of Accounting I	3	30	15	90	135
	TOTAL	16	160	80	480	720

YEAR 1

Semester 2

Course Code	Course Name	Credits	Theory	Practical	SDL	Total
STAT 122	Descriptive statistics	3	30	15	90	135
INSY 227	Introduction to Computer Programming	4	40	20	120	180
HELT 213	Health Principles	2	20	10	60	90
MATH 126	Multivariable Calculus and ODE	4	40	20	120	180
MATH 127	Digital Computer Fundamentals	3	30	15	90	135
INSY 214	Computer Maintenance	3	30	15	90	135
	TOTAL	19	190	95	570	855

YEAR 1

Semester 3 (Summer)

Code	Course Name	Credits	Theory	Practical	SDL	Total
ENGL 124	Academics English Writing	3	30	15	90	135
INSY 321	Software Engineering	3	30	15	90	135

STAT 223	Statistics and Probability	3	30	15	90	135
	TOTAL	9	90	45	270	405

YEAR 2

Semester 1

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 228	Programming with C	4	40	20	120	180
INSY 229	Computer Networks	4	40	20	120	180
INSY 217	Database Management Systems	3	30	15	90	135
COSC 222	Electronic Devices and Circuits	3	30	15	90	135
RELT 123	Bible Doctrines	3	30	15	90	135
COSC 419	Web Design	2	20	10	60	90
	TOTAL	19	190	95	570	855

YEAR 2

Semester 2

Code	Course Name	Credits	Theory	Practical	SDL	Total
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
COSC 321	Routing and Switching	3	30	15	90	135
INSY 230	Object-Oriented Programming	4	40	20	120	180
INSY 226	Management Information Systems	3	30	15	90	135
COSC 417	Introduction to Linux	3	30	15	90	135
INSY 310	Data Structures and Algorithms	4	40	20	120	180
	TOTAL	19	190	95	570	855

YEAR 2

Semester 3 (Summer)

Code	Course Name	Credits	Theory	Practical	SDL	Total
COSC 418	Network Security	3	30	15	90	135
COSC 364	Network Administration	3	30	15	90	135
COSC 413	Multimedia Computing	3	30	15	90	135
	TOTAL	9	90	45	270	405

YEAR 3

Semester 1

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 324	Java Programming	4	40	20	120	180
INSY 419	System Analysis and Design	4	40	20	120	180
COSC 423	System Administration	3	30	15	90	135
INSY 427	Emerging Technologies	3	30	15	90	135
COSC 415	Mobile Communication	4	40	20	120	180

	TOTAL	18	180	90	540	810
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YEAR 3

Semester 2

Code	Course Name	Credits	Theory	Practical	SDL	Total
COSC 421	Advanced Computer Networks	4	40	20	120	180
INSY 417	Web Technology	4	40	20	120	180
COSC 422	Wireless Networks	3	30	15	90	135
INSY 329	Operating Systems	4	40	20	120	180
COSC 313	Network Programming (TCP/IP)	3	30	15	90	135
	TOTAL	18	180	90	540	810

YEAR 3

Semester 3 (Summer)

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 422	Internship	4	40	20	120	180
INSY 430	Final Year Project	6	60	30	180	270
	TOTAL	10	100	50	300	450

Distribution of Courses by Semester Networks and Communication Systems

YEAR 1

Semester 1

Code	Course Name	Credits	Theory	Practical	SDL	Total
AMAT 111	Applied Mathematics	3	30	15	90	135
INSY 118	Introduction to Computer Applications	3	30	15	90	135
EDRM 113	Study and Research Methods	2	20	10	60	90
ENGL 115	General English	3	30	15	90	135
ACCT 112	Principles of Accounting I	3	30	15	90	135
	TOTAL	14	140	70	420	630

YEAR 1

Semester 2

Course Code	Course Name	Credits	Theory	Practical	SDL	Total
RELB 116	Introduction to Bible Study	2	20	10	60	90
STAT 122	Descriptive statistics	3	30	15	90	135
INSY 227	Introduction to Computer Programming	4	40	20	120	180
HELT 213	Health Principles	2	20	10	60	90
MATH 126	Multivariable Calculus and ODE	4	40	20	120	180
	TOTAL	15	150	75	450	675

YEAR 1**Semester 3 (Summer)**

Code	Course Name	Credits	Theory	Practical	SDL	Total
ENGL 124	Academics English Writing	3	30	15	90	135
MATH 127	Digital Computer Fundamentals	3	30	15	90	135
	TOTAL	6	60	30	180	270

YEAR 2**Semester 1**

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 214	Computer Maintenance	3	30	15	90	135
INSY 217	Database Management Systems	3	30	15	90	135
STAT 223	Statistics and Probability	3	30	15	90	135
INSY 228	Programming with C	4	40	20	120	180
RELT 221	Philosophy, Science and Religion	2	20	10	60	90
	TOTAL	15	150	75	450	675

YEAR 2**Semester 2**

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 229	Computer Networks	4	40	20	120	180
INSY 321	Software Engineering	3	30	15	90	135
COSC 222	Electronic Devices and Circuits	3	30	15	90	135
RELT 123	Bible Doctrines	3	30	15	90	135
COSC 419	Web Design	2	20	10	60	90
	TOTAL	15	150	75	450	675

YEAR 2**Semester 3 (Summer)**

Code	Course Name	Credits	Theory	Practical	SDL	Total
COSC 321	Routing and Switching	3	30	15	90	135
INSY 226	Management Information Systems	3	30	15	90	135
	TOTAL	6	60	30	180	270

YEAR 3**Semester 1**

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 329	Operating Systems	4	40	20	120	180
INSY 230	Object-Oriented Programming	4	40	20	120	180
COSC 418	Network Security	3	30	15	90	135
COSC 364	Network Administration	3	30	15	90	135

	TOTAL	14	140	70	420	630
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YEAR 3

Semester 2

Code	Course Name	Credits	Theory	Practical	SDL	Total
COSC 417	Introduction to Linux	3	30	15	90	135
INSY 310	Data Structures and Algorithms	4	40	20	120	180
COSC 413	Multimedia Computing	3	30	15	90	135
INSY 324	Java Programming	4	40	20	120	180
	TOTAL	14	140	70	420	630

YEAR 3

Semester 3 (summer)

Code	Course Name	Credits	Theory	Practical	SDL	Total
COSC 423	System Administration	3	30	15	90	135
INSY 427	Emerging Technologies	3	30	15	90	135
	TOTAL	6	60	30	180	270

YEAR 4

Semester 1

Code	Course Name	Credits	Theory	Practical	SDL	Total
COSC 422	Wireless Networks	3	30	15	90	135
COSC 415	Mobile Communication	4	40	20	120	180
INSY 417	Web Technology	4	40	20	120	180
COSC 313	Network Programming (TCP/IP)	3	30	15	90	135
	TOTAL	14	140	70	420	630

YEAR 4

Semester 2

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 419	System Analysis and Design	4	40	20	120	180
INSY 422	Internship	4	40	20	120	180
COSC 421	Advanced Computer Networks	4	40	20	120	180
	TOTAL	12	120	60	360	540

YEAR 4

Semester 3 (Summer)

Code	Course Name	Credits	Theory	Practical	SDL	Total
INSY 430	Final Year Project	6	60	30	180	270
	TOTAL	6	60	30	180	270

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.

Exist award profile

Competencies for Bachelor's Degree: The holder of this degree will have following competencies: Preaching, leadership, evangelist, counselor, administrator, teaching Bible and researcher.

Competencies for Diploma in Higher Education in Theology: Preaching, evangelism, leading churches

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 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.

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.

General theology courses

Concentration Courses in Theology:

Course	Course Title	Credits	Pre-requisite
BIBL 117	Elementary Greek I	3	
BIBL 126	Elementary Greek II	3	Elementary Greek I
BIBL 136	Intermediate Greek I	3	Elementary Greek II
BIBL 215	Intermediate Greek II	3	Intermediate Greek I
BIBL 214	Biblical Hebrew I	3	
BIBL 225	Biblical Hebrew II	3	Biblical Hebrew I
RELB 322	Principles of Church Growth	3	
RELB 314	Pentateuch	3	Biblical Hebrew I
RELB 313	Studies in Revelation	3	Intermediate Greek II
RELB 232	Acts and Apostles I	3	Elementary Greek I
RELB 315	Acts and Apostles II	3	Acts and Apostles I
RELB 223	Studies in Gospels	3	
RELB 214	Introduction to Old Testament	3	
RELB 311	Prophetic Books of Old Testament	3	Pentateuch
RELB 325	Historical Books of Old Testament	3	Pentateuch
RELB 231	Studies in Daniel	3	Biblical Hebrew II

RELB 326	Exegesis of New Testament	3	Intermediate Greek II
RELG 316	Worship, Music and Liturgy	2	
RELH 228	Prophetic Ministry of E.G.White	2	
RELH 118	History of Christian Church	2	
RELH 215	History of SDA	2	History of Christian Church
RELH 312	History of Christian Church in Africa	2	History of Christian Church
RELP 128	Pastoral Counseling	2	
RELP 225	Homiletics	3	
RELP 313	Foundations of Youth Ministry	3	
RELP 232	Church Leadership and Administration	3	
RELP 332	Ministerial Practicum	4	Minimum 100 Credits
RELP 328	Literature Evangelism	2	
RELP 318	Marriage and Family	2	
RELP 333	Research Project	6	Last Semester
RELT 327	Biblical Hermeneutics	3	Intermediate Greek II
RELT 223	Comparative Religions	2	
RELT 225	African Traditional Religions	2	
RELT 214	Christian Stewardship and Self-reliance	2	
RELT 317	Biblical Ethics	2	
RELT 115	Biblical Spirituality	3	
RELP 315	Personal and Public Evangelism	3	
EDPC 215	Human Development Psychology	3	
RELT 211	Technology and Media in Ministry	2	
RELP 121	Inclusive Ministry	2	
	TOTAL	110	

Description of Core/Professional Courses of the Faculty of Theology

BIBL 117 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. Introduction to Bible**

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 Greek II**

BIBL 215 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 131. Intermediate Greek I**

BIBL 214 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 225 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 BIBL 132. Biblical Hebrew I**

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) **Prerequisite: BIBL 132. Biblical Hebrew I**

RELB 214 Introduction to Old Testament

3 Credits

The course surveys the basic ideas as expressed in the Old Testament as an introductory message.

RELB 326 Exegesis of New Testament

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 NT. The course surveys the basic ideas as expressed in the New Testament as an introductory message. **Prerequisite BIBL 213. Intermediate Greek II**

RELB 325 Historical Books of Old Testament

3 Credits

This course is an Introductive and exegetic 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. **Prerequisite: RELB 314.**

RELB 327 Biblical Hermeneutics

3 Credits

This course studies the hermeneutics principles appropriate for the interpretation of biblical text. Issues arising out of an Afro centric reading of the scripture will also be discussed. **Prerequisite: BIBL 215 Biblical Hebrew II**

RELB 311 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. **Prerequisite: 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. **Prerequisite: BIBL 215 Biblical Hebrew II**

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. **Prerequisite: BIBL 215 Biblical Hebrew II**

RELB 232 Acts and Apostles 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 Elementary Greek I**

RELB 315 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 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 118 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. **Prerequisite: RELH 118 History of the Christian Church**

RELH 215 History of Seventh - day Adventist Church 2Credits

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 415 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.

RELB 322 Principles of Church Growth 3 Credits

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 124 Personal and public Evangelism 3 Credits

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 225 Homiletics 3 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 223 Comparative Religions 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 214 Christian Stewardship and Self Reliance 2 Credits

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.

RELT 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 124 SDA 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). **Prerequisite: RELB 116. Introduction to Bible**

RELP 328 Literature Evangelism 2 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 225 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 115 Biblical Spirituality 2 Credits

What is spirituality? How is it formed in private and in community? This module explores the meaning of Biblical Christianity and its relation to faith and practice within contemporary cultural contexts, giving special attention to the corporate dimensions of spirituality and spiritual formation as defined in the New Testament. The lectures analyze and discuss those historical and cultural factors that have led to the privatization of Christianity, and develop a paradigm of spiritual growth and maturity that focuses on the assembly rather than the individual.

RELP 318 Marriage and Family 2 Credits

This course explore 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.

Full-Time Programme – 3 Years with Summer (Theology)

YEAR ONE SEMESTER 1

Course	Course name	Credits	Theory	Practice	SDL	Total
ENGL 114	General English	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 117	Elementary Greek I	2	20	10	60	90
INSY 118	Introduction to Computer Applications	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

Code	Course name	Credits	Theory	Practice	SDL	Total
RELP 315	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 124	Academics English Writing	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 122	Descriptive Statistics	3	30	15	90	135
	Total	19	190	95	570	855

YEAR ONE SUMMER SEMESTER

Code	Course Names	Credits	Theory	Practice	SDL	Total
RELP 121	Inclusive Ministry	2	20	10	60	90
BIBL 136	Intermediate Greek I	3	30	15	90	135
BIBL 214	Biblical Hebrew I	3	30	15	90	135

	Total	8	80	40	240	360
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YEAR TWO SEMESTER 1

Code	Course Name	Credits	Theory	Practice	SDL	Total
RELT 211	Technology and Media in Ministry	2	20	10	60	90
BIBL 225	Biblical Hebrew II	3	30	15	90	135
BIBL 215	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 214	Introduction to Old Testament	3	30	15	90	135
RELT 223	Comparative Religions	3	30	15	90	135
	Total	18	180	90	540	810

YEAR TWO SEMESTER 2

Code	Course Name	Credits	Theory	Practice	SDL	Total
RELT 221	Philosophy Science and Religion	2	20	10	60	90
RELP 225	Homiletics	3	30	15	90	135
RELB 223	Studies in Gospels	3	30	15	90	135
RELB 232	Acts and Apostles I	3	30	15	90	135
RELH 228	Prophetic Ministry of EG White	2	20	10	60	90
RELP 225	Foundations of Youth Ministry	3	30	15	90	135
RELG 316	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

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

RELB 322	Principles of Church Growth	3	30	15	90	135
	Total	9	90	45	270	485

YEAR THREE SEMESTER 1

Code	Course Name	Credits	Theory	Practice	SDL	Total
RELT 115	Biblical Spirituality	3	30	15	90	135
RELB 313	Studies in Revelation	3	30	15	90	135
RELH 312	History of Christian Church in Africa	2	20	10	60	90
RELB 314	Pentateuch	3	30	15	90	135
RELT 225	African Traditional Religions	2	20	10	60	90
RELP 318	Marriage and Family	2	20	10	60	90
RELB 315	Acts and Apostles II	3	30	15	90	135
	Total	18	180	90	540	720

YEAR THREE SEMESTER 2

Code	Course Name	Credits	Theory	Practice	SDL	Total
RELT 317	Biblical Ethics	2	20	10	60	90
RELB 325	Historical Books of OT	2	20	10	60	90
RELB 326	Exegesis of the NT	3	30	15	90	135
RELP 328	Literature Evangelism	2	20	10	60	90
RELT 327	Biblical Hermeneutics	3	30	15	90	135
RELB 311	Prophetic Books of Old Testament	3	30	15	90	135
	Total	15	150	75	450	675

YEAR THREE SUMMER SEMESTER

Code	Course Name	Credits	Theory	Practice	SDL	Total
RELP 333	Research Project	6	30	60	180	270
RELP 332	Ministerial Practicum	4	0	60	120	180
	Total	10	30	120	300	450

