AMERICAN UNIVERSITY OF NIGERIA



School of Arts and Sciences

UNDERGRADUATE CATALOG
2022 – 2026

Undergraduate Catalog Disclaimer

The American University of Nigeria makes every reasonable effort to provide accurate information in this catalog. This Catalog is effective from the 2022 academic year and the content is subject to change. Its purpose is to provide current students and other interested persons with information about the institution. The university reserves the right to change without prior notice, rules and regulations relating to admission, instruction, and graduation; to alter course offerings, and change the calendar. All changes will be effective as authorized by the appropriate offices. It is the student's responsibility to remain aware of expectations for his/her level of study. It is recommended that students regularly check this Catalog for possible changes.

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SCHOOL OF ARTS AND SCIENCES

DEAN'S MESSAGE



Patrick Fay

Dean, School of Arts & Sciences and Associate Professor in the Department of Politics and International Studies.

B.A., B.Ph. Mental and Moral Philosophy, 1970; Basic Certificate in Systems Analysis, 1978; Diploma in Computers in Education, 1979; Diploma in Administrative Science, 1979; Master of Public Administration., 1981; Certified Diploma in Accounting and Finance, 1993; M.Sc.(Econ.) in Policy Studies, 1996 ; M.A. European Union Law, 2001; Diploma in Politics and Government, 2004; Doctorate in Governance, 2008; License in Theology, 2011; B.Sc. (Open) in Management, Politics, Environment, Law & Introduction to Diabetes, 2012; Postgraduate Diploma in Diplomatic Studies, 2014; Postgraduate Diploma in Peace and Conflict Studies, 2018; LL.M. in Diplomacy and International Law, 2021 .

Patrick Fay joined AUN as an Associate Professor in January 2015. Prior to that, he was a member of the Irish Diplomatic Service for 16 years, including serving as Ambassador to Lesotho for four and a half years and ending his career as Ambassador to Nigeria for four years. Before joining the Diplomatic Service, he spent 26 years in the Irish Civil Service, serving in different Ministries. His research interest is in human rights. Hobbies are reading and music. He is married with three grown-up children, two daughters and a son.

WELCOME

Welcome to the School of Arts and Sciences (SAS). This is the biggest of the schools at AUN. Students have a wide choice of degree programs on offer. We offer degrees in Communications and Multimedia Design, Economics, Politics and International Studies, English Literature and Language, Natural and Environmental Sciences, and Petroleum Chemistry. Within some of these degrees, students may opt for different concentrations; for example, in the degree in Natural and Environment Sciences, a student can concentrate on Biomedical Sciences, Environment and Health, or Conservation Biology.

While pursuing a degree in one subject area, a student may opt to also pursue a Minor in another area, such as History, or Mathematics or any other area.

The School will shortly be introducing Bachelor and Master degrees in Public Health.

Postgraduate degrees at Masters' level, will be introduced in our degree programs, starting with Petroleum Chemistry and Communications and Multimedia Design, to be followed by Politics and International Studies, and English Literature and Language.

To enhance our educational opportunities, the School of Arts and Sciences is pursuing partnerships with other universities and institutions. For example, we currently have a history program in conjunction with Princeton University in the United States. We are in discussion with two other institutions in this regard.

In addition, the General Education Department is located within the School of Arts and Sciences. Irrespective of the degree program chosen, the American University of Nigeria places strong emphasis on developing skills in all its courses. These skills are critical thinking, oral and written communication, applied knowledge in real world settings, intercultural skills, teamwork skills and ethical approaches. Syllabi are designed to develop and enhance these skills.

SAS also provides different types of support for students. These include the Writing Center which helps students who for example have problems with writing essays. They also organize various activities like reading club, grammar exercises, and various study techniques sessions.

There is also a Mathematics Center which helps students who are struggling in their various mathematics courses. A good number of the brilliant and best students in mathematics act as tutors in the Center.

The degree you choose to study does not necessarily mean that you will pursue a career in that subject area. You may choose to do just that. On the other hand, a university education equips you for many different walks of life. In my own career, I have personally worked with colleagues with a vast range of degrees, for example, in law, medicine, sciences, history, English, politics, public administration, business administration, and languages. My own primary degree is in philosophy. Skills you will learn here include critical thinking, oral and written communication, applying knowledge to real life problems, and time management. These skills will equip you to work in many different careers; for example, the civil service, business, politics, writing, teaching, and many, many more.

SAS has around 50 faculty, educated in many different countries in the world, with a vast range of experience of teaching in universities. As well as teaching you in class, in a very interactive way so that you develop different skills and not just learn the subject matter, they are all available at least six hours a week to talk to and help you and any other students who might have problems or issues.

Your education and development take place as much outside the classroom as in it. There are many societies and organizations that you can participate in. I strongly urge you to get involved in some of these. In fact, some of our students establish new societies to fill gaps they see. Many of these are also involved with the local communities. These, too, are a learning ground, which ensure your education and development is as good as possible.

UNIVERSITY PROFILE

History

The American University of Nigeria (AUN) was founded by the former Vice President of Nigeria, His Excellency Atiku Abubakar, GCON, in Yola, the capital of his home state of Adamawa, Northeast Nigeria.

Having first established a private primary and secondary school, ABTI Academy (now AUN Academy) in 2002, His Excellency Atiku Abubakar approached the American University (AU) in Washington, DC, for advice and assistance in establishing an American-style university. That university was licensed as ABTI University in 2003, and the ground was broken for the buildings in October 2004 on the land originally donated by the 11th Lamido Adamawa, the late Alhaji (Dr.) Aliyu Musdafa, CFR. Today, it is seated on more than 2,500 acres.

The renamed ABTI American University of Nigeria set up an outstanding international Board of Trustees, which included Bishop Desmond Tutu of South Africa, Professor Robert Pastor (1947–2014) from AU, Washington, and a chairman, Ahmed Joda, CFR, a distinguished indigenous technocrat. The first class of students—124 in all—was admitted in the Fall of 2005/Spring 2006. The first President was David Huwiler, PhD.

The institution was conceived as a university which would focus on development issues while providing an education modeled after the best US practices in content and pedagogy. The three constituent schools were Arts & Sciences, Business & Entrepreneurship, and IT & Computing. In 2007, the name of the institution was changed to its present name of American University of Nigeria (AUN). The pioneer class of 92 students graduated in 2009. Every class since then has graduated on schedule.

In 2008, the National Universities Commission (NUC) accredited AUN programs and re-accredited them in 2013. In 2012, AUN launched a graduate program, the Executive Master's degree in Information Technology. Since then, more programs up to the Ph.D. level have been approved by the NUC.

AUN has its own power station and from its inception has provided 24-hour Internet connection, a unique feat in Nigeria. In 2014, it opened the new Robert A. Pastor Library and E-Learning Center, home of its award-winning e-library.

Location

AUN is in Yola, the capital city of Adamawa State. The AUN campus occupies a serene savannah vegetation most of which was used as farmland. Adamawa, one of the six states in northeast Nigeria, shares the longest borderline with Cameroon. Yola is accessible by road and air, and daily flights from the Yola Airport connect through Abuja to regional, national, and international locations.

Campus

The main campus on the Yola southern bypass is both attractive and modern. The main campus comprises 16 buildings including nine comfortable Residence Halls, a spacious cafeteria, a large commencement hall, administrative buildings, School of Arts & Sciences building, and Peter Okocha building which houses the School of Law. A new library complex, The Robert A. Pastor Library and E-Learning Center, has been

completed and contains a library section, state-of-the-art classrooms, study rooms, reading zones, the Advising Unit, Honor Society tutoring center, and the Atiku Center for Leadership, Entrepreneurship and Development. The North Campus, which used to be the temporary site, is located across the street from the main campus. It provides dedicated space and buildings that include the new fully furnished Faculty (housing) Village, and the Community Development Center. All buildings are fully air-conditioned and installed with modern facilities. The entire campus has wireless Internet connectivity, and the residences are provided with security personnel, 24-hour electricity, clean running water, and cable television.

Health and Safety

AUN works diligently to ensure the safety of its students, members of staff and faculty. The Safety Unit monitors and drives fire prevention efforts including the campus fire alarm systems and the maintenance of extinguishers. The unit also oversees regular fire drills and the fire response team (two fire engines and 10 crew members). The unit is complemented by the AUN Health Center, which is fully staffed by professionals and equipped with two ambulances. Health services are available to students, faculty, and staff 24 hours a day, seven days a week.

The AUN Security and Safety Department is charged with saving lives and protecting property while working to provide a safe living, teaching, and learning environment. It focuses on positive interactions and building relationships. The officers use a team approach to problem solving, conflict resolution, and the university's development concept. They are the first responders to all campus emergencies. Officers also conduct parking enforcement, traffic control, aerial research, surveillance, as well as equine and canine patrol of both campuses.

Security and Safety officers work closely with the school administration, students, faculty and staff members, the host community, and local law enforcement teams. They provide a police presence and security for student events and all university activities. The Security and Safety Department also conducts regular security training and education, fire training and education, and conducts investigations of policy and institutional violations.

Environment

AUN has a formal Environmental Unit responsible for campus-wide trash collection, cleaning and 100 percent recycling of all waste produced by the institution. The AUN Recycling Center makes handcrafts and eco bricks from all plastic and glass waste and compost from all paper and organic waste. The Sustainability team and Facilities Management unit oversee the efficient use of such resources.

Vision

AUN seeks to become a great center of learning and research for Nigeria and Africa, and a catalyst for development in the entire world. In the words of its Founder, it sees its role as a "Development University." Thus, the University will honor the traditional university roles of repository and transmitter of culture and knowledge, and center for the creation of new knowledge. As a "Development University," it will also focus on the practical roles that a great university must play in the development of a great nation and continent.

Mission

To these ends as a "Development University," AUN will foster the creation of leaders committed to sustaining a democracy in which diverse people share in the rights and responsibilities of citizenship, are proficient in creating and applying technology to wise purpose and are dedicated to securing a humane and prosperous world.

AUN will become a place where students' dreams become Africa's future. At AUN, lives will be transformed for service and leadership to lead Africa and the world in what will surely be the challenging years ahead. To realize this vision and fulfill our mission, we will focus our planning on the following strategic goals: AUN will

Goal 1:	Be the Development University for Africa.
Goal 2:	Retain and recruit faculty with the highest standards of academic excellence who are devoted to teaching, research and mentoring students to solve societal problems.
Goal 3:	Foster and build an environment that develops students who are problem solvers, and whose lives are transformed for service and leadership.
Goal 4:	Develop and encourage the effective use of technology to support learning and research by students and faculty.
Goal 5:	Develop the physical environment to support the learning, teaching and research goals of a Development University.
Goal 6:	Accelerate and sustain financial growth to achieve financial stability.
Goal 7:	Help create and sustain a social and political environment supportive of these goals.

Values Statement

Our values statement defines what we hold in common as members of the AUN community and informs our vision and mission statements.

- We believe that tolerance and understanding among national, ethnic, and religious groups are essential to the success of Nigeria or any other nation. The University will actively work to instill these values in its students and will itself reflect them in its policies.

- We believe that the University, in all its activities, shall demonstrate the highest standards of integrity, transparency, and academic honesty.

- We believe that freedom of expression is fundamental to any intellectual community and affirm that all members of the AUN community will have the freedom to express any opinion without fear of reprisals of any kind.

Sustainability

AUN has adopted a strategic vision to be a Sustainability Leader in all facets of its operations not only in Education and in Africa but also globally.

AUN Learning Outcomes

I. Capacity to think critically and independently, and apply knowledge to solve problems

- Students will develop the skills to analyze, synthesize, and evaluate data and information.
- Students will communicate effectively through expressive and receptive methods (written, oral, quantitative, visual) using appropriate resources, including digital technologies.
- Students will be able to identify, appreciate, and strategize everyday problems.
- Students will develop emotional intelligence.

II. Understanding the importance of sustainable development

- Students will innovate to solve social and development problems.
- Students will develop the ability to apply knowledge to solve social problems.
- Students will develop social responsibility to others through engaging in community service-based projects.
- Students will demonstrate an understanding of national and global issues to function effectively as responsible democratic citizens and global change agents.
- Students will understand and develop the capacity to function effectively in other cultures.
- Students will be able to define their identity in relation to cultural and social differences to include gender, religion, ethnicity, and different lifestyles.

III. Disciplinary and Interdisciplinary knowledge, skills, and values

- Students will gain mastery of both disciplinary and interdisciplinary knowledge through their majors and minors. They will be able to use this knowledge to understand their world and participate in civil society.
- Students will gain an appreciation for a liberal arts education.

IV. Ethics

- Students will develop the capacity to act on ethical judgments.
- Students will conduct themselves with honesty and integrity.
- Students will develop a personal code of ethics to guide decision-making rooted in a sense of responsibility as a member of society.

V. Leadership

- Students will become responsible and courageous leaders who will hold themselves and others accountable.

VI. Sustainability

- Students will understand and appreciate economic, political, environmental, and social connections to build a sustainable future.
- Students will develop the discipline to manage abundant or scarce resources.

VII. Entrepreneurship

- Students will develop the knowledge and skills to recognize and act innovatively on business and social opportunities.

VIII. Life Skills, Personal Development, and Careers

- Students will be able to prioritize and manage resources effectively.
- Students will be able to manage and resolve conflict productively.
- Students will be able to master independent living skills.
- Students will be able to practice physical, emotional, spiritual wellness.
- Students will be able to compete effectively for a job.
- Students will become lifelong learners.

AMERICA IN YOLA: HOW AN AMERICAN EDUCATION IS DIFFERENT

Coming to AUN and experiencing an American-style university education is new for most African students and for their parents. We are very conscious of the cultural differences (and similarities) between Nigeria and the United States and work hard to develop an intercultural understanding among all members of the AUN community. An American-style education focuses on critical thinking, problem solving and leadership development. In addition, our education is based on the following principles: that every individual deserves equal respect, is unique, and deserves the knowledge and skills to be good citizens in order to improve society.

GENERAL EDUCATION

Unlike universities in many other countries, in addition to studying a specialty such as "Petroleum Chemistry" or "Marketing" or "English Literature," American universities have programs in "General Education." That means students study more broadly; they learn ideas from other specialties. They learn ethics, and history, and culture, and languages, and literature, and science. We call this a "well-rounded" education. We are training not just specialists, but also knowledgeable global citizens.

MAJORS AND MINORS

As in all universities, each student is expected to specialize in a particular course of study. In the American system, such specialties are called “majors.” All students will graduate with a particular major. Some students also want to learn about another field of study in some depth, but not as their primary focus. In the American system, such sub-specialties are called “minors.” Thus, one could major in Economics and minor in Journalism, or have some other combinations.

ELECTIVES:

Some courses are required of all students, and some are courses that students choose themselves as electives. Students (with the help of their Chair and academic advisors) get to choose which course in science--for example--is most interesting and helpful. Even "majors" and "minors" allow students to make some individual choices within their respective specialties.

The result is that at the end of four years with us, no two students have taken the same courses. Everyone would have had an individual education because everyone has different talents, interests, and goals. Everyone is an individual, and every education is unique.

CLASS PARTICIPATION

Because some of the distinctive features of American education are to help train students to think for themselves, be creative, and solve new problems, students are required to actively participate in class. They don't just sit and absorb what comes from teachers, books, and the Internet. They are expected to ask questions, discuss the course materials with fellow-students and professors, read avidly, think critically, and confidently defend their own ideas. They are also expected to respectfully challenge, engage and debate with their instructors. These, we believe, will help students learn how to become creative, assertive adults; and the activities count towards the final grades for each course taken.

ACADEMIC REGULATIONS

Academic Course Load

Bachelor's degrees awarded at AUN require the successful completion of at least 123 credit hours. An undergraduate student admitted to and enrolled in a degree program earns an average of 15 credits per semester.

The maximum load for a student in the Fall and Spring semesters is 18 credit hours and 6-7 credits hours in the intersessional courses. In some cases, students may be restricted to fewer credit hours based on prior academic performance. To be considered for an Overload (more than the maximum course load), students must have at least a 3.25 CGPA, and receive approval from Academic Advising and their Dean.

Academic Forgiveness

This policy is reserved for special circumstances where a student may require extra support that is beyond the current policies stated. Forgiveness may apply to any academic matter as it relates to the student. This may include course requirements, grade, grade point average, graduation, credits, and others. A request for Academic Forgiveness must be made in writing to the person involved immediately after the event. The final Academic Forgiveness approval comes from the Provost.

Academic Integrity

The university is committed to academic honesty and integrity and has developed procedures to deal with instances of academic dishonesty. Students are responsible for the honest completion and representation of their work. Students are expected to act ethically in pursuit of higher learning and to avoid types of behaviors that impair effective assessment. Academic dishonesty is prohibited in all programs of the university.

Academic Misconduct Subject to Disciplinary Action

Academic misconduct is an act in which a student:
(a) Seeks to claim credit for the work or efforts of another without authorization or citation.
(b) Uses unauthorized materials or fabricated data in any academic exercise.
(c) Forges or falsifies academic documents or records.
(d) Intentionally impedes or damages the academic work of others.
(e) Engages in conduct aimed at making false representation of a student's academic performance; or
(f) Assists other students in any of these acts.

Possible Disciplinary Sanctions

The following are the disciplinary sanctions that may be imposed by an instructor for academic misconduct:
(a) An oral or written notice of misconduct.
(b) An assignment to repeat the work, to be graded on its merits.
(c) A lower or failing grade on the assignment or test.
(d) A lower grade in the course.
(e) A failing grade in the course.

(f) A non-deletable failing grade in the course.
(g) Suspension from the University.
(h) Expulsion from the University.

Any class related infractions are initially managed by the instructor. However, the instructor may present the infraction to the Judiciary Affairs committee for review and impose consequences.

Admission to Classes

Students will not be admitted to classes unless they have registered, and their name appears on the official class roster.

Auditing Courses

A student may audit a course with the permission of the instructor. Final approval from Academic Advising and the Dean must also be gained. Audit tuition/fees apply, and registration is completed through the Office of the Academic Registrar. Auditing is on a non-participating basis unless other arrangements are made between the instructor and the student. The audited course will not count towards degree requirements and a final grade of 'AU' will be assigned to the transcript.

Concentration

A Concentration is a list of specified courses within an area of disciplinary or interdisciplinary study, which is completed on an optional basis and is noted on the academic transcript. A Concentration provides students the opportunity to develop in-depth knowledge representing a sub-specialization or emphasis within the core discipline or major.

A concentration includes a minimum of 12 semester hours and a maximum of 21 semester hours of specialized course work with no less than 50% of the concentration credits upper-level credits. The requirements and the curriculum for a concentration are determined by the academic School offering the concentration.

*Concentrations must be pursued and completed concurrently with a degree program.

Course Add/Drop

Students enrolled in courses have the duration of the Add/Drop period to change course selections. The Add/Drop period will run for two weeks, 10 business days, after the Fall and Spring semesters begin. For the Summer Session, the Add/Drop period will run for 3-4 business days. No changes to registration can be made after the end of Add/Drop. Faculty reserves the right to deny admittance to a course if that course has met more than twice.

Course Withdrawal

After the end of Add/Drop, students can withdraw from courses if they choose not to continue or if they are unable to continue (i.e., due to personal issues or if they are forced to leave AUN due to suspension or dismissal). If a student withdraws from a course, they will be held financially liable for the course based on the withdrawal tuition refund schedule. **There will be no refund of housing or meal plans for students who withdraw from courses**.

If a student withdraws from a course during Week 2 through Week 6 of the Fall and Spring semesters (refer to the Academic Calendar for the Summer session) a final grade of 'W' will be input on the student's academic record. After the sixth week of class the student will earn a 'WP' (Withdrawal Pass) or 'WF' (Withdrawal Fail) based on their academic performance in the course, as determined by the faculty member teaching the course. Withdrawals are not accepted after the last day of classes. A 'WP' is not accepted during the last two weeks of the Fall and Spring semesters or the last week of the summer session.

To withdraw from courses, students must notify Academic Advising and their professor of their intent to withdraw from the course by completing a Course Withdrawal Form.
Note: the student's discontinuing attendance in class and/or notifying an instructor of a status change does not constitute an official action.

Declaration/Change of Major
Students are strongly encouraged to consult with Academic Advising prior to making changes to their academic record. A Declaration of Major and Change Major forms are available in the Office of the Academic Registrar. Students may also declare Minors through the Office of the Academic Registrar.

Double Counting
Double Counting refers to instances when a course taken to fulfill one requirement counts simultaneously toward a major, minor, concentration, or a prerequisite. Up to 8 credits and/or no more than 2 courses may be double counted while the candidate fulfills the minimum number credits stipulated for the completion of every Program at AUN. Students must also adhere to any policy restrictions on double counting enforced by the academic departments.

Double Major
Students can declare more than one major if they have a minimum 2.50 cumulative GPA and if at least 18 credits are unique to each major. Individual academic unit or teaching units may require a higher GPA and have other requirements that exceed the regulations.
If the majors are offered by more than one academic unit within the University, then students will designate at the time of declaration of the majors the single academic unit in which they will be registered and from which they will be graduated. Students will need to satisfy the general academic unit requirements of that single academic unit. When majors lead to different degrees (e.g., B.A. and B.Sc.), students will specify which degree they wish to be awarded. Electives may be used to satisfy double major requirements.

Enrollment/Course Registration
Enrolled students receive registration information/instructions via their AUN e-mail accounts each semester. Students who fail to register for courses during Registration or Late Registration (the first week of classes) will not be eligible to take courses during that semester. New students enroll in courses during Orientation (an event held prior to the first day of the classes in the fall and spring semesters). All students are mandated to meet with Academic Advising prior to registration.
Note: Course prerequisites and/or Class Restrictions are strictly enforced.

Enrolment/Early Registration & Registration

Students enroll in courses and, where applicable, the connected sections during the registration period prior to the beginning of classes each semester or during early registration. The early registration period is provided in the second half of each semester (OR after the midterm) for enrolled students to select courses for the next semester. Upon resumption, students enrolling for the first time register for courses during an orientation period. This takes place before classes begin, and previously enrolled students may make changes to their schedules at this time. At the American University of Nigeria, a course is an individual subject a student enrolls in; and it may be offered in multiple sections, and at different times during the week.

Examinations

The semester does not officially end until the last examinations are completed. Final examinations must be taken as scheduled by the Office of the Academic Registrar.

Grades

Grades (midterm and final) are assigned based upon the student's performance in courses. Students are required to check their official grades and academic standing via the University Self-Service Portal, after release by the Office of the Academic Registrar.

Grading System

At the end of each semester, faculty assign letter grades based upon the student's performance in courses. The grades listed below are calculated in the grade point average. Grades assigned at AUN equate the following performance levels:

Grades

A	(95-100%)
A-	(90-94%)
B+	(87-89%)
B	(84-86%)
B-	(80-83%)
C+	(75-79%)
C	(70-74%)
D	(60-69%)
F	(0-59%)

A- to A	Truly outstanding work that demonstrates an excellent command of the subject.
B- to B+	Work that represents a good command of the subject and is beyond usual expectations for the course.
C to C+	Work that represents a command of the subject and meets expectations. C is the minimum pass level for all Major and Minor courses (including concentrations). C is also the minimum pass level for WRI 101 and WRI 102.

D Work considered at a minimal passing level but demonstrates significant gaps in knowledge and falls short of expectations.

F Work that demonstrates substantial shortcomings in knowledge and/or is insufficient in quality to warrant awarding credit for the course.

F* Judicial Sanction

WF (Withdrawal Fail) At the time of withdrawal, the student had a failing grade. A student must obtain a Course Withdrawal Form. If the approval is granted, the transcript will indicate that the student withdrew with a failing grade (WF). Withdrawals are not accepted after the last day of classes for each semester.

Grading Scale (4.0):

The following are the grading scales used in AUN's 4-point grading system

A	4.0	A-	3.7	B+	3.3	B	3.0
B-	2.7	C+	2.3				
C	2.0	D	1.0	F	0.0		
F*	0.0	WF	0.0 (F)				

The grade point average (GPA) is determined by dividing the total grade points by the total number of course credits for which the student has been enrolled.

The GPA includes only those courses taken for conventional grades (A-F) and WF. Final grades that will not be calculated into the student GPA are as follows:

AU Audit - Students may audit courses with the approval of the Chair, advisor, and Dean. Permission from the instructor must also be gained. Audit tuition/fees apply, and registration is completed through the Office of the Academic Registrar. Auditing is on a non-participating basis unless other arrangements are made between the instructor and student.

AW Administrative Withdrawal - Course and/or semester withdrawal for documented Medical or Judicial (i.e., Suspension, University Dismissal) reasons.

IP In Progress - Current course work, final grade pending/ to be assigned.

I Incomplete - given to a student who, due to extenuating circumstances (i.e., confirmed illness, death of family member), is unable to complete the course requirements. The student has six weeks into the subsequent semester (includes the summer session) to complete the course work. If the work is not completed within the six weeks and a final grade (A-F) is not submitted to the Office of the Academic Registrar by the instructor, the incomplete grade is dropped and the grade of 'F' is automatically assigned.

TR Transfer - Approved transfer credit. Transfer credits accepted from other institutions are included in the total number of credits applicable to degree requirements, but grades earned in these courses are not used when computing the GPA (see the 'Transfer of Credit' section for more information).

W Withdrawal - students may withdraw from a course without GPA penalty, during Weeks 2 through 6, of the Fall and Spring semesters. A student must obtain a Course Withdrawal Form. If approved, a final grade of 'W' will be assigned to the transcript.

WP Withdrawal Pass - students may withdraw from a course without GPA penalty, after Week 6, but before the last two weeks, of the Fall and Spring semesters. A student must obtain a Course Withdrawal Form. If the approval is granted, the transcript will indicate that the student withdrew with a passing grade (WP).

Any grade below C is not accepted for major or minor credit. Any grade below D does not satisfy general education requirements – exception WRI 101 and WRI 102 in which a passing grade of C is required. Students will be required to retake any course if the grade earned does not satisfy the requirement. Students are required to take courses for a letter grade (A-F) in order to earn credit towards degree requirements.

Regarding Pass and Fail (P/F) grades, a grade of P indicates a quality of performance no less than C (2.00) on the grading scale outlined above. Performance below this level is reported as 'F'. If the course is remedial, grades of 'P' and 'F' are not included in the credit hours required for graduation and the student's GPA is not affected positively or negatively. However, if the course is taken for credit the grade of 'F' will negatively impact the students GPA.

Change of Final Grade

Once reported, a final grade cannot be changed except to remove a grade of **'I'** (Incomplete) or to correct a grade recorded in error. To remove a final grade recorded incorrectly, the faculty member must complete a Change of Grade form indicating that an error was made; the request must include supporting documentation. The form requires the signature/approval of the Dean and the Provost.

Student Academic Grievance Policy

If a student feels that he/she has been assigned an inaccurate grade due to a clerical error or miscalculation of grade average, the student should first approach the course instructor with a request to review the grade computation. If the instructor detects an error, he/she can submit a Change of Grade form to the Office of the Registrar. The student must make the request with his/her instructor within the first 30 calendar days of the semester or term immediately following the receipt of the grade being questioned.

If the student has a concern after the instructor has reviewed the grade calculation, the student may appeal further to the academic Dean of the school that offers the course. The appeal to the Dean must be initiated within 10 calendar days of the instructor's notification to the student of the determination.

The Dean will review the case and reach a determination in consultation with the student and the instructor. After this process is completed, the only grounds for appeal would be that the appeal process was not conducted as described above. That appeal should be directed to the Director of Academic Advising who will forward it to the Academic Review Committee for review. The student must make this appeal within 10 calendar days of notification by the Dean of the determination. An appeal to the Academic Review Committee must be made via e-mail with supporting documentation attached.

Repetition of Courses

AUN students have the option to repeat courses to try to improve their academic performance. If the student successfully repeats the exact course, this grade, whether it is a higher grade or not, replaces the original grade in the calculation of the student's GPA. The original grade remains on the transcript, as well as the new grade, but only the most recent grade is used in grade point calculations. The student earns the credit hours for the course only once upon passing the course. To repeat a course, the student signs up for it at registration just as he/she would for a class that had not previously been taken. The repeated course counts in the student's load for the semester in which it is taken.

If a course is repeated, each attempt, including the final grade, is entered separately on the permanent academic record. Unless specifically indicated otherwise, only one successful attempt of a course is counted toward fulfillment of graduation credit requirements.

A student may only take a course a maximum of three times.

Independent Study

Students may independently pursue areas of study beyond regularly scheduled courses. In the Catalog, the course code for any Independent Study is 492. Each School offers this opportunity through designated independent study courses designed by instructors. An independent study project is a student's research on a topic agreed upon by the student and the instructor. Independent Study is not suitable for group instruction, paid work or activities outside the competence and/or concern of one of AUN's existing departments. Independent study is not allowed for a course that is in the Catalog.

To qualify, students must have completed/earned at least 60 credit hours and be in good standing with a CGPA of 2.0 or higher. All Independent Study credits must be taken for the assigned letter grade (A-F) and credit value (1-6). Only one independent study is allowed per semester and no more than six (6) independent study credits can be taken when completing undergraduate coursework; and of these, up to three (3) credits can be used to satisfy major (course) requirements (if in line with degree requirements and approved by the appropriate Department Chair and Dean).

Once the dean of the school has approved the Independent Study application, the form must be submitted to the Office of the Registrar where the course will be added to the student's schedule of classes.

Applications for Independent Study must be submitted by the end of the first week of classes of the applicable semester.

Internship for Academic Credit

An internship is an opportunity for students to combine academic study with substantial work experience. Academic departments may have additional requirements; however, generally the baseline requirements for enrolment in an internship are successful completion of a minimum of 60 credit hours of coursework and a CGPA of 2.0 or higher.

For every internship credit earned, a minimum of 60 hours of training and work is required (i.e. a total of 180 hours of internship experience equates to three (3) credit hours). Academic requirements for internship credit are above and beyond these working hours. The number of credits earned per internship can range from one (1) to six (6) credits determined by the hours of work at the internship. **Students can only register for six (6) credits of internship credit during their undergraduate degree, of which no more than three (3) credits can be used to satisfy major requirements** (if in line with degree requirements and approved by the appropriate Department Chair and Dean).

All Internship credits must be taken for a letter grade (A-F) and must be a minimum of 6 weeks in duration. The internship must be completed prior to the beginning of the subsequent semester.
Internship forms are available at the Office of the Academic Registrar and must be submitted during the normal Registration period of the semester the internship will take place. To register, students must have satisfied all prerequisites, secured the internship position and identified a faculty member who is willing to oversee their course of study within the appropriate department. The supervising faculty member must establish the academic requirements (i.e., learning outcomes, research paper requirements and timelines, etc.). Additional requirements may vary by department. The course number 493 is associated with all program internships.

Registration Procedures

The Office of the Academic Registrar will provide specific course information before early registration each semester. Courses listed may be canceled if there's insufficient enrollment. The Academic Registrar's office reserves the right to change class schedules and adjust individual section enrolments as necessary.
Students must be present at the first meeting of every class (lecture and laboratory) to validate their registration. If students cannot attend the first meeting, they must notify the instructor beforehand if they intend to continue in that section. Otherwise, they may be delisted from the class.

It is the student's responsibility to ensure that tuition is paid, and to note that courses can only be dropped before tuition liability begins. Courses can also be canceled by the Academic Registrar's office if the student is suspended, dismissed, or if the section is canceled. All deadlines should be verified from the academic calendar.

<u>Registration involves three main steps:</u>
Advisement and consultation
Selection and registration of courses

Payment of fees

Students must attend the section of the course for which they are registered. No instructor may authorize a student to shift from one section of the course to another without following official Add/Drop procedures.

Students are responsible for registering on time and for the correct courses. Students may not attend classes they are not enrolled in and will not receive credit for these courses. Students may not register or add courses retroactively.

Students will receive the "F" grade if they stop attending classes without officially dropping the course.

Minors

A minor is a course sequence within an area of study providing a degree of specialization within that area, a specialty within a discipline, or a specialty integrating several disciplines. Minors balance introductory and advanced coursework. Students wishing to obtain a minor are encouraged to contact their academic advisor. Please note that no more than six (6) credits of minor coursework can overlap with major or general education requirements.

Minor should have normally completed a minimum of 30 credits of course work and be in good academic standing. The following rules apply:

• The minor consists of a minimum of 18 credits, including at least nine credits in courses at or above the 300 level.

• At least nine credits of the 18 credits required for the minor must be taken in residence at AUN.

• At least six credits of the nine credits at or above the 300 level must be taken in residence at AUN

• A minimum GPA of 2.00 must be earned in courses completed to satisfy the minor. Students seeking a minor must successfully complete the courses prescribed by the relevant Department in the relevant School.

WRI 101 and WRI 102 Requirement

Students must complete WRI 101 and WRI 102 courses alongside the General Education requirement in the first two years of study. Adherence to this rule provides not only competent skills for university writing but also provides opportunities for offering courses with Writing prerequisites. **Students must obtain a C grade or better** for Writing as it satisfies the general education requirements, and failure to do so requires students to repeat the subject matter.

Late Course Registration

A period of Late Registration occurs at the beginning of each semester. Students who unavoidably arrive late to campus and/or are physically unable to participate during the regular registration period may register during the first week of classes, on a space-available basis. After five complete days of classes (refer to the Academic Calendar for the Summer session), students will no longer be able to register for courses and must wait until the following semester. A late registration fee of 30,000 Naira may be applied when students miss the regular registration period and seek to enroll during Late Registration - the first week of classes.

Undergraduate Student Status

A full-time student is one who is admitted in a degree program at AUN and registers for 12 or more credit hours each semester. A student may drop one or more courses and still be considered a full-time

student provided he/she maintains enrolment in at least 10 credit hours. Any student enrolled in fewer than 10 credit hours or registered for fewer than 12 credit hours is considered a part time student. Part time students are not permitted to reside in the residence halls.

Students are further classified according to the number of credit hours and required courses they have completed. First year students have accumulated 0-29 credit hours. Second year students have successfully completed between 30 and 59 credit hours. Additionally, to have second year standing, the student must have successfully completed WRI and MAT. Students who have not completed these requirements after two semesters of attendance at AUN must complete them in no more than one additional semester and summer

Third year students have earned 60-89 credit hours and successfully completed the courses described in their major's course of study plan for the first two years. Students who have not completed these requirements after four regular semesters of attendance at AUN must complete them in no more than one semester and summer.

Fourth students have earned 90 or more credit hours, a CGPA of at least 2.0, and successfully completed the courses listed in the first six semesters of their course of study plan. Students who have not completed these requirements after six regular semesters of attendance at AUN must complete them in no more than one semester and summer
Credit hours completed - Student Status
0-29 First Year
30-59 Second Year
60-89 Third Year
90 - plus Fourth Year
This does not apply to students in the law program or the engineering program.
Students who do not make sufficient academic progress are subject to suspension or dismissal from the University (See 'Academic Performance Policy').

Time Limit for Degree Completion
The maximum duration of an undergraduate program, excluding deferment approvals, is six years (twelve semesters) as a full-time student, eight years (sixteen semesters) for a part-time student, and seven years (fourteen semesters) for the Law program.

Grade Appeal

Recognizing, however, that the evaluation of student performance is based upon the professional judgment of instructors, and notwithstanding the exceptions noted at the end of this policy, appeals will not be considered unless based upon one or more of the following factors:

- An error was made in grade computation.
- Standards different from the documented departmental, school, or university policies were used in assigning the grade.
- In determining the grade, it is evident that the instructor departed substantially from his or her previously articulated, written standards, without notifying the affected student(s).

If a student feels that s/he has been assigned an inaccurate grade due to any or a combination of the factors stated above, the student should first approach the course instructor in writing within 30 calendar days immediately after the final grade has been published, with a request to review the grade. The instructor has two weeks to review the request and provide a written decision to the student with express reasons justifying the grade or acknowledging the mistake. If the instructor detects an error, s/he should submit a duly completed and signed Change of Grade form to the Office of the Registrar.
If the student has a concern after the instructor has reviewed the grade calculation, the student may appeal further to the chair of the department as it relates to the program. The appeal to the chair must be in writing and initiated within 10 working days of the instructor's feedback based on the student's grievance.

The department chair will review the case and reach a determination in consultation with the student and the instructor within two weeks. After this process is completed, the only grounds for further appeal would be that the appeal process was not conducted as described above. That appeal should be directed to the dean of the school that offers the course. An appeal to the Academic Review Committee must be made via e-mail with supporting documentation attached by the parties involved.

Individual graded assignments that contribute to a final course grade are not subject to appeal unless it can be established that the grade for the individual assignment was given for one of the three impermissible reasons cited above and resulted in an unfair final grade.

Finality of Appeal
There shall be no further appeal from the decision of the grade appeal committee except for procedural errors. No appeals from these decisions are allowable to the president or to the Governing Council.

Fulfillment of Course Prerequisites
Students must complete all prerequisites for associated courses. For mandatory courses such as WRI 101 and WRI 102, completion must be before year 3. Rigorous sanctions will be meted out to students who dishonestly enroll themselves into courses they failed the prerequisites in.

Grade Replacement

AUN students have the option to repeat courses to try to improve their academic performance. If the student successfully repeats the exact course, this grade, whether it is a higher grade or not, replaces the original grade in the calculation of the student's GPA. The original grade remains on the transcript, as well as the recent grade; only the most recent grade is used in grade point calculations. The student earns the credit hours for the course only once upon passing the course. The repeated course counts in the student's load for the semester in which it is taken.

If a course is repeated, each attempt, including the final grade, is entered separately on the permanent academic record. Unless specifically indicated otherwise, only one successful attempt of a course is counted toward fulfillment of graduation credit requirements.

Incomplete Grade

The grade of Incomplete may be given to a student who, due to extenuating circumstances (i.e. documented and confirmed illness, death of family member), is unable to complete the course requirements. An '**I**' may be given only if the student is receiving a passing grade at the time the request is made. Arrangements for an incomplete must be made prior to the end of the course and the incomplete form must be filled out by the faculty member in its entirety and submitted to the Office of the Registrar prior to the last day of classes for the semester. The incomplete form requires a full explanation of the remaining coursework and the submission deadlines.

If a student receives an 'I', s/he has six weeks into the subsequent semester (including the summer session) to complete the course work. If the work is not completed within the six weeks and a final grade is not submitted to the Office of the Registrar by the instructor, the incomplete grade is dropped and the grade of 'F' is automatically assigned.

No grade of 'I' will be recognized by the Office of the Registrar without proper documentation. A 'W' (withdrawal) may not be given to remove a grade of 'I'. An 'I' may not stand as a permanent grade.

Course Substitution

Program chairs may suggest course substitutions in a student's Program of Study based on the student's previous academic records and experiences. Substitute courses should have similar content to those specified in the degree requirements. In some instances, more advanced content could be substituted. Substitutions do not reduce the number of credits required for the degree and must be recorded on the student's Program of Study.

Students may fulfill certain requirements with courses outside the curriculum listings. This provides limited flexibility when required courses are unavailable, or when new "special topics" courses are created by other departments and are relevant to the intentions of the requirement. In all cases, proposed substitutions excluding General Education courses must be approved by the Chair and DEAN.

Students may apply for one course substitution within their Major program all course substitution applications for major requirements must initially be reviewed by the Academic Advisor.

Waiving Requirements

Waiving requirements is defined as satisfying degree or program requirements by means other than those specified in the Academic Catalog. Current AUN students may petition to be waived from course requirements based on previous coursework. Course(s) waived does not reduce the number of credits required to graduate. Students must complete a Request for Course Waiver Form and provide requesting documents with the form to the office of Registrar. Students may be asked to demonstrate their proficiency in the course(s) to be waived. The decision to grant a waiver is at the discretion of the Department Chair and the School Dean.

Valedictorian

Valedictorians are students selected to address the graduating class at one of the university's commencement ceremonies. A valedictorian is selected for each ceremony. Students are selected for this

honor based on sustained academic excellence and other outstanding accomplishments that contribute to life at AUN, and the community.

Deferral/Leave of Absence

Undergraduate students who must interrupt their studies for any reason must submit a request for deferral/leave of absence prior to their departure from campus to the office of the Registrar. Submitting a deferral/Leave of Absence' form (with the required signatures) ensures that students will be able to return to AUN without reapplying for readmission. Students can take a leave or defer for one or two regular semesters (Fall and Spring) of deferral/leave before resuming their studies. If a student is unable to return after two consecutive semesters of leave, including the Summer Session, the student will be removed from enrolment (in-active) at AUN and will be required to reapply to resume studies.
The leave becomes void if the student attends any domestic or foreign collegiate institutions during the period of leave without prior written approval from the Registrar. In such instances, students must complete a 'Permit to Study' form prior to study abroad to transfer credits to AUN (See the 'Permit to Study' section for more information).

Medical Withdrawal Policy

When a student discontinues attending courses due to medical reasons, in certain cases, it may be possible for that student to receive a prorated refund of tuition. If a student is hospitalized due to an emergency (which renders him/her unable to withdraw from courses) the Registrar can process an approved retroactive Medical Withdrawal based on the last date that the student attended class.
To receive this pro-rated refund of tuition, the student must submit a Course Withdrawal form to the Office of the Registrar with evidence of his/her hospitalization (to be verified by the AUN Director of Health and Wellness). The form will indicate the student's last date of attendance by each instructor. If the petition is approved and provided that the retroactive withdrawal falls within the tuition cancellation period (based on the administrative withdrawal chart – see the Tuition and Fees section), the student's account will be credited with their tuition refund (housing and meal plans are not refundable). All medical withdrawal petitions will be reviewed by Academic Advising, the Registrar, AUN Clinic and the Dean of Students. If approved, a final grade of AW will be assigned to the transcript.

Readmission to AUN

A student whose studies at the University are interrupted for any reason for a period of two or more semesters (excluding the Summer session) or a student who Withdrew from the University is required to submit a formal application for readmission, with a reapplication fee to the Office of the Academic Registrar (academicregistry@aun.edu.ng). All prior balances must be cleared for a readmission application to be considered. The application and supporting documentation for readmission must be received at least one month before classes resume in the semester that the student wishes to attend. The only exception to the readmission policy is when written authorization is given for a leave of absence or to study at another collegiate institution. This authorization must be obtained prior to the interruption of study.

A student who is readmitted is subject to the academic requirements and regulations in effect at the time of readmission.

ACADEMIC PERFORMANCE AND STANDING

Academic Integrity Code

The central commitment of AUN is to develop thoughtful and responsible human beings with the highest moral and ethical standards, within the context of a very diverse yet collaborative academic environment. This commitment is founded on the following core values of the University:

- Tolerance and understanding among national, ethnic, and religious groups,
- Freedom of Expression and
- Non-discrimination in the admission and employment processes regarding gender, age, religion, nationality, ethnicity, physical ability, political affiliation, or personal relationships.

Excellence and integrity are the core principles that guide us.

This Academic Integrity Code is designed to benefit and assist the AUN community in forming the highest standards of ethics and morals among its members. It is designed to foster the University's commitment to excellence and equality, while affirming the shared values that make community life possible. Students with alleged violations of the Academic Integrity Code should contact the Office of the Dean of their respective program to receive further information on disciplinary procedures (See Appendix B for the full text of The Academic Integrity Code).

Academic Performance Policy

An undergraduate student who fails to maintain the minimum CGPA required by the university and/or fails to make satisfactory academic progress towards completion of degree requirements is subject to probation, suspension and/or dismissal. All students at the American University of Nigeria are required to meet baseline academic standards to continue with their studies. The minimum satisfactory standard of achievement is a cumulative grade point average (CPGA) of 2.0.

Continued Enrolment

Continued enrolment at AUN depends upon an undergraduate student's ability to maintain satisfactory academic progress towards attaining a degree. The university measures this ability by the student's cumulative grade point average. To assist students in maintaining satisfactory progress, AUN has adopted academic standards designed to provide early identification of students who are experiencing academic difficulty and to provide timely intervention through academic support programs.

Regulations regarding academic probation, restriction, suspension, and dismissal are designed to provide close supervision of the academic progress of AUN students. At the end of each semester, student records will be reviewed, and sanctions will be imposed. A change in students' academic status can occur following any semester when the student's cumulative GPA falls below 2.0. Students under academic sanction are subject to restrictions with respect to academic course load as determined by the Director of Academic Advising and Retention.

Each student's transcript will be evaluated at the end of each academic semester. Students liable for academic sanction will receive written notification and the notice will stipulate the terms of the

sanction. Parents/Guardians of students, who have signed the consent form, will also be notified of the actions imposed on their child/ward.
The following are academic designations that can be imposed:

Good Standing

Undergraduate students who maintain a cumulative grade point (CGPA) average of at least 2.0 are in academic good standing and are eligible for continued enrolment at AUN.

Probation

This is an indication of serious academic difficulty and applies whenever a student's cumulative grade point average (CGPA) falls below 2.0. Students who are placed on academic probation at the end of each semester (including summer session) may continue with enrolment and the student's course load registration will be limited to 12 credits. The standing *Probation* will appear on the transcript for that semester.

Restriction

Academic Restriction is designed to reduce the credit load of students in academic peril. When a student's CGPA is less than 2.0 for two consecutive semesters and having been on Academic Probation the previous semester, the student's course load registration will be limited to 12 credits in the subsequent semester. The standing *Restriction* will appear on the transcript for that semester.

Suspension

After Probation and Restriction standing and continued poor academic performance, a student's enrolment will be suspended for one semester (Fall/Spring, including summer). If the student wishes to return to the university, s/he must contact the Academic Registrar's office and submit a request letter for reinstatement (Readmission). This must be done one month before the beginning of the semester.
Once a student's request for reinstatement (readmission) has been approved by the respective school and the student continues with his/her enrollment, if the CGPA falls below 2.00, s/he will be (indefinitely) dismissed. The standing *suspension* will appear on the transcript for that semester.

Appeal of Academic Suspension

A student may appeal an academic suspension due to continuous poor academic performance. There are only two grounds for appeal:

1) Dispute of grade or evaluation
2) Extenuating circumstances*

In the case of dispute of grade or evaluation, the student must be able to demonstrate that the grade average or evaluation was incorrectly calculated and should be sufficiently higher as to remove the student from the circumstances that led to the dismissal. In the case of extenuating circumstances, the student must be able to demonstrate that s/he encountered unusual circumstances during the previous semester that caused poor academic performance and s/he is sufficiently capable academically to clearly perform at an acceptable academic level in the subsequent semester to meet the requirements for satisfactory academic performance.

**Extenuating circumstances are defined by the University as "Exceptional circumstances which are outside the control of the student and which have prevented, or will prevent, him/her from performing in assessment at the level expected or required of him/her."*
Extenuating circumstances might include:

- *Illness (serious) affecting the student*
- *Bereavement*
- *Serious illness affecting a close family member*
- *Unforeseeable or unpreventable events*

Independent documentary evidence, such as medical certificates, must be provided in all cases to verify extenuating circumstances.

Appeal Process

The process for appeal of dismissal requires that the student submit a formal appeal application to the Director of Academic Advising & Retention requesting a review by the Academic Review Committee clearly stating the reasons for the appeal. Notification of the verdict will be sent to the student via e-mail when the Committee renders a final decision, of the receipt of the appeal. Submission of an appeal does not guarantee a favorable review. All records of appeal will be forwarded to the Office of the Registrar to be included in the student's record.

Dismissal

Students whose CGPA falls below 2.00 after suspension of one semester, will be recommended for Academic (indefinite) Dismissal and can no longer seek reinstatement (readmission).

HONORS PROGRAM

The American University of Nigeria recognizes that academic excellence is of critical importance for each student. Thus, AUN is committed to ensuring that each course and program offered is academically challenging and meets the highest international standards of excellence and performance. The University also acknowledges that some students seek additional challenges, opportunities, and distinctions as they develop their talents and knowledge. Thus, the University offers an Honors Program that enables highly motivated students to earn honors credits in their courses and academic degree programs. For truly exceptional students, a "University Honors" is available.

Course Honors

The student applies for course honors by indicating on the Honors Application Form his\her desire to pursue honors in the course. This form is to be submitted no later than week 12 prior to the following semester. The form is available from the Office of the Registrar. To be eligible, the student must have a CGPA of 3.0 or higher at the time of applying.

The course instructor(s) will review the application and determine the additional requirements and assignments that the student will need to complete by the end of that semester.

The instructor, with the approval of the appropriate program chair and dean, will inform the student no later than the second week of the applicable semester whether the honor's application has been

approved or rejected. If approved, both the student and the course instructor must agree in writing to the required additional work; and it is normally equivalent to 20% of the regular course requirements. To be eligible to receive course honors, the student will be required to complete the additional assignments and the entire course with a final grade of “B” or higher. A grade below “B” is deemed inadequate for attaining course honors.

If a student does not complete the additional work to fulfill the course honors, or attains a grade lower than a B, the instructor will reflect the grade accordingly without the designation of Honors. If the student is unable to complete the approved requirements due to extenuating circumstances, the student must notify his/her instructor in writing and the details will be concluded at the discretion of the instructor(s) concerned.

Program Honors

Students may apply for Program Honors no later than week 12 of the second year (59-79 earned credits) by completing the Honors Application Form which is available at the Office of the Registrar. This form indicates the student's intention to pursue the Program Honors. The course instructor(s) will review the application and determine the additional requirements and assignments that the student will need to complete by the end of that semester.

To be eligible, the student must have a CGPA of 3.0 or higher. The instructor, with the approval of the appropriate program chair and dean, will inform the student no later than the second week of the applicable semester whether the honor's application has been approved or rejected.
Both the student and the course instructor must agree in writing, to the additional work required. To be awarded with the designation of Honors, the student, by the time of graduation, must have successfully completed all additional requirements as determined by the program, maintain a CGPA of 3.0, and achieved a B grade in the program honor's course(s). If after starting the program, a student falls short of expectation, and for instance has a GPA that is lower than 3.0, continuation in the academic honors program will be at the discretion of the program chair.

There is a caveat to the minimum passing grade for program honors. Grades below “B” are deemed inadequate to fulfill the requirements for attaining a program honors. Hence, a student with a grade below “B” in their program must sit for and pass the Senior Research Project courses in their departments to obtain the usual degrees, without honors. If you complete the honors program, you will not be required to fulfill the Senior Research Project requirements. If a student does not complete the additional work to fulfill the program honors, the instructor will reflect the final grade without the designation of Honors. If the student is unable to complete the requirements due to extenuating circumstances, the student must notify his/her instructor in writing and the details will be concluded at the discretion of the instructor(s) concerned

ACADEMIC RECOGNITION

The University is proud to recognize student academic leadership and excellence — acknowledging students for President's List, Deans' List, Scholarly Leadership, Most Improved, Peer Mentors, and other honorable titles - whose outstanding initiative and contributions to academia improve the campus community.

Deans' List and President's List

All students who achieve a term GPA of 3.5 to 3.799 will earn the **Deans' List** recognition. The **President's List** recognition will be given to students who achieve a term GPA of 3.8 or higher in all courses taken that semester.

Students that have contributed to expanding and sharing scholarly work by presenting at conferences, publishing articles, and participating in exceptional activities, such as the Model UN, are acknowledged in the Scholarly Leadership award.

Students that have achieved a CGPA of 2.0 – 2.69 are eligible to be recognized as the 'Most Improved' and are awarded a certificate.

The university seeks opportunities to recognize exceptional contributions to academic, scholarly, and extracurricular activities.

Honor Society

AUN sponsors the Honor Society for students who maintain exceptionally strong academic performance. Students are eligible for membership in the Honor Society beginning in their second year. Applicants must have completed/earned 30 credit hours or more and have a minimum CGPA of 3.5. To maintain membership, the student must earn a CGPA of 3.5 or higher. Honor Society members are eligible to participate in special activities and may have the distinction of being called upon to represent the University in leadership roles and as mentors to other students.

TRANSFER OF CREDIT

Transfer of Credit

Candidates transferring from other higher institutions are subject to the following conditions: must be on good standing (not on probation or dismissal) and the institution they are transferring from must be accredited by a recognized body.

A maximum of 60 credit hours from accredited institutions of higher learning may be accepted and used to satisfy major and general education requirements at AUN.

Grades earned in courses accepted for transfer will not be included in the GPA of the student at AUN. However, the credits earned will count towards the total number required for graduation and only courses where students earned a grade of 'C' or higher will be considered for transfer to AUN.

Students who have successfully completed college/university level coursework prior to their acceptance at AUN are required to submit along with their transfer application, material/course descriptions/syllabi for course evaluation to the Academic Registrar no later than 2 weeks before new student orientation. Courses will NOT be evaluated for possible transfer until an official transcript, course syllabi/descriptions are submitted to the Registrar. Transfer credits are evaluated by the Registrar's Office, in consultation with the appropriate Deans prior to enrolment at AUN.

All students who have completed 2 or more years or have completed 60 transferable credit hours and above from an accredited university with a CGPA of 2.0/4.0 or higher or 2.5/5.0 or higher will be admitted without having to present the University with any secondary school or examination documentation. Students who do not meet the above-mentioned criteria must apply as new students.

Transfer applicants from affiliate institutions will be awarded both credit and grade while applicants from other accredited universities/institutions will be awarded only credits

AUN reserves the right to deny credit for any courses completed more than five (5) years prior to matriculation as an undergraduate at AUN. Only those courses that are compatible to AUN courses in content and rigor may be approved for transfer.

Students should seek the approval of the program chair for transfer of credit prior to taking any course at another institution to ensure the course(s) is/are comparable and will be acceptable for transfer. AUN reserves the right to deny credit for any courses taken at other institutions for any reason.

Students who have successfully completed University level coursework at other accredited institutions may submit official transcripts to the Office of the Registrar (with their application to Admissions if prior to matriculation). The official transcript must be sent directly from the other institution to AUN. The transcript will be evaluated and authenticated. The student will be notified of acceptable transfer credits and course equivalents via AUN email. Only those courses that are comparable to AUN courses in content and rigor may be approved for transfer. Courses taken more than 10 years prior to acceptance will require additional review.

Grades earned in courses accepted for transfer credit, including study abroad courses, will not be included in the CGPA. However, the credits earned will be counted towards the total number required for graduation and only courses where students earn a final grade of 'C' or higher will be considered for transfer to AUN. A maximum of 60 credit hours from all institutions of higher learning may be accepted and used to satisfy major and general education requirements or serve as free electives. For transferred courses the final grade of ‘TR’ will appear on the transcript.

Students transferring credits from a university on a quarter system, may receive 2/3 of an AUN credit hour for each quarter hour earned. For example, four quarter hours from a transfer institution equals 2.67 credit hours at AUN. AUN may allow a maximum of 12 credits to transfer that are recorded on a pass/fail basis.

AUN students who study abroad in an AUN approved abroad program are eligible to transfer credits from their coursework abroad. Please see the 'Permit to Study' section for more information.

Permit to Study (Study Abroad)

An enrolled student who plans to take courses at another college or University (either domestically or internationally) to transfer credit to AUN must be in good academic standing and have a solid record of good conduct. Permits to Study may not be authorized for courses at non-accredited four-year institutions, and all AUN Transfer of Credit policies apply.

Prior to study at another institution, students must receive approval from their Dean, their Department Chair, Academic Advising, and the Registrar using the 'Permit to Study' form. With proper approvals in place, transfer of credit can be applied to both major and general education requirements when appropriate.

Students intending to study outside the country must be in close communication with the Coordinator of Study Abroad Program regarding application requirements and arrangements with the host University. Upon return to AUN, students must submit an official transcript to the Office of the Registrar. The official transcript must be sent directly from the other institution to AUN. The transcript will be evaluated and authenticated. The student will be notified of accepted transfer credits and course equivalents via AUN email. Only those courses that were previously approved on the Permit to Study form will transfer. For details of Study Abroad see the section on Academic and Consolidated Services for AUN Students.
We will evaluate transcripts of A-Level students on an individual basis and determine what credits will be transferred.

AUN accepts to transfer passing grades A-D on all relevant A-level subjects. It is at the discretion of each school to accept credit transfer a passing grade of E at the A-level.

DEGREE CONFERRAL/GRADUATION

Graduation Requirements
Students at AUN are required to complete a minimum of 123 credit hours in all majors except for law (minimum of 177 credits in a 4-year DE track and 208 credits in a 5-year UTME track - for the LLB degree); with a minimum cumulative grade point average (CGPA) of 2.0 on a scale of 4.0. Candidates must successfully complete the General Education requirements of the University, in addition to requirements that are specific to the student's degree program, to be eligible for degree conferral. Candidates must have paid all tuition, fees, fines, and charges.

To be eligible for the award of an LLB degree, a candidate must have satisfactorily completed and earned the minimum number of credit hours prescribed for the degree (200 credit hours for candidates admitted through the UME and 177 credit hours for candidates admitted through Direct Entry). This will involve successfully completing the approved compulsory and elective/optional courses of the school and other departments of the University.

Application for Graduation
Final year students (completed 105 credits or more – SOL 167 or more) are required to apply for Graduation to the Office of the Registrar within the deadlines stated on the academic calendar. Application forms are available online www.aun.edu.ng/registrar/forms.

Only after an application has been received will the academic degree audit be processed. Candidates will be notified by the Office of the Registrar if additional information is needed and/or discrepancies

are found via AUN email. Students who fail to satisfy all degree requirements must reapply for graduation in a future semester (adhering to all guidelines stated above).

If the University Senate approves the summer semester, students who have satisfied all but two courses and no more than 8 credits are eligible to participate and walk in the commencement ceremony. All outstanding coursework must be completed by the end of the academic year (Summer) that the student participates in the commencement ceremony.

Degree/Graduation Honors

University Honors, cum laude, magna cum laude and summa cum laude are awarded upon degree conferral for students whose CGPA is 3.5-3.699 (University Honors), a CGPA of 3.7-3.799 (cum laude), a CGPA of 3.8-3.899 (magna cum laude) and a CGPA of 3.9 or higher (summa cum laude). These graduation honors are printed in the graduation program, on the diploma and on the student's transcript. Graduation sashes and honors will only be noted during the Commencement ceremony and in the Commencement booklet if all requirements have been completed.

Names on Diploma

The name and order of names that appears on a student's diploma will be consistent with the name and order of names that appears in the student's file upon admission and is corroborated by a passport or valid identity card and/or a birth certificate.

National Youth Service Corps

All recent AUN graduates (with no outstanding balance) will have their names submitted to the NYSC office for mobilization in the next available Batch, per NYSC calendar/guidelines only. All recent graduates must check their AUN emails to receive information from the Office of the Registrar regarding NYSC instructions/dates.

Diploma Replacement

If an original AUN diploma is destroyed or lost, a duplicate may be ordered from the Registrar's Office. The Duplicate Diploma Request Form must be filled by the alumni; and any evidence that the original diploma was lost, stolen, or destroyed must be attached to the Request Form (e.g., police report, fire department report). If the original diploma is damaged, the Duplicate Diploma Request Form must be submitted to the Academic Registrar's Office with the damaged diploma attached. The reverse side of the duplicate diploma will be stamped with the words, "Duplicate issued on MM/DD/YY to replace lost/destroyed original diploma." In order to receive this duplicate, alumni must fill a Diploma Request Form online www.aun.edu.ng/registrar/forms.

ACADEMIC RECORDS

The Office of the Registrar provides these services: creating, maintaining, and transmitting academic records; scheduling classrooms; course registration; evaluating transfer credit; auditing degree progress and completion; verifying enrolment/degree completion; coordinating NYSC Batch submissions and issuing academic transcripts and diplomas.

Student Records

A file is maintained for each student who registers at American University of Nigeria. After an applicant is matriculated, his/her record is maintained by the Office of the Academic Registrar. Additional files may be kept by the Academic Advising Office and/or a student's individual School/Department, however, the primary source of academic information will be housed in the Office of the Academic Registrar. The purpose of the official student record is to document the student's academic career/history.
Students have the following rights regarding their education records: The rights
1) to have access to their education records,
2) to consent to release their records to a third party and
3) to seek amendment of information on the record if the student demonstrates an inaccuracy.

In order to view their academic records, students must submit a Student Record Request form to the Office of the Registrar. After submitting the form, students will be invited to the Office of the Registrar via AUN email within 10-15 business days to view their file. All files and the information in the files must remain in the Office of the Registrar during viewing.

Any alteration or misuse of official student records and/or an attempt to alter or misuse them, will result in immediate dismissal of any student or employee involved. The University reserves the right to initiate legal proceedings as it sees fit in instances of misuse, alteration and/or fraud. Upon graduation, or if a student leaves the University, his or her files are sealed and archived at AUN.

Confidentiality of Student Records

A student's personal information will only be shared with any other person within the University and/or with an external person or agency with the express consent of the student via a signed Consent form (available in the Office of the Registrar). Confidential information will be shared on a 'need to know' basis. The following are exceptions in which prior consent from the student is not required to release confidential information:

- Unless the student expressly requests restriction of its release, Directory information can be shared without prior consent. This includes the student's name, address, telephone number, major, dates of attendance and degrees/awards received.
- In case of imminent and serious threat to the safety or health of the student and/or others.
- Where disclosure of the information is legally mandated.
- To prevent a criminal act.
- Where the information is disclosed to university officials who have a legitimate educational interest in the records.
- Where the information is disclosed to third parties in accordance with national and/or University regulations governing the release of such information.

Transcripts

Students and alumni may obtain transcripts of their academic history from the Office of the Registrar. A request for transcript must be initiated by the student only as requests from individuals other than the student will not be honored. After submitting a processing fee and verification of payment receipt by the Bursar, students can request their transcript in writing (email to academicregistry@aun.edu.ng) using their AUN e-mail accounts or go online for details

http://www.aun.edu.ng/academics/registrar/students/101-transcripts Once the request has been made and payment has been received, it may take between 5-10 business days for processing.
A notation will be made on all AUN transcripts confirming that English is the official medium of communication and instruction for all courses taught at AUN.

The University will not issue a transcript that reflects only a part of the student's record, nor will it make copies of transcripts on file from other colleges and universities.

A notation will be made on all AUN transcripts confirming that English is the official medium of communication and instruction for all courses taught at AUN.

Verification of Enrolment/Degree
On request, the Office of the Registrar can provide a letter verifying enrolment/degree completion at the University. When applying for scholarships and/or submitting employment applications, this verification certifies that the student is/was enrolled. A request for enrolment verification must be student initiated and made via email to academicsregistry@aun.edu.ng and it will take 5-10 business days to process.
A notation will be made on all verification confirming that English is the official medium of communication and instruction for all courses taught at AUN.

UNDERGRADUATE PROGRAMS MAJORS

School of Arts & Sciences

B.Sc. Communications and Multimedia Design

Concentrations:

Journalism
Multimedia Design
Public Relations & Advertising
Radio/Television/Film

B.Sc. Economics

B.A. English Literature and Language

Concentrations:

Language
Literature

B.A. Politics and International Studies

Concentrations:

International Relations
Peace and Conflict Resolutions
Public Administration

B.Sc. Natural and Environmental Sciences

Concentrations:

Bioinformatics
Biomedical Sciences
Biostatistics
Conservation Biology
Environment and Health
Public Health

B.Sc. Petroleum Chemistry

General

Concentration (Optional)

Oil and Gas Chemistry
Petrochemical and Polymer Science

MINORS

School of Arts & Sciences

- Economics
- English Literature and Language
- History
- International and Comparative Politics
- Journalism
- Mathematics
- Multimedia Design
- Natural and Environmental Sciences
- Public Relations/Advertising
- Radio/Television/Film
- Statistics
- Writing

ACADEMIC SUCCESS

Role of Students

Students at AUN are active learners. They search for knowledge, conduct research, evaluate information, learn from their educational experiences, express their observations and conclusions effectively and persuasively, use technologies as tools for learning and expression, and develop an ability to engage in entrepreneurship and business in service to the development of their community and country. They help their fellow students, contribute to class discussions, work collaboratively on projects, learn from challenges and criticisms, work to improve their skills and knowledge, and together create a university learning community, and a university devoted to development. They are committed to the highest standards of integrity.

Role of Chairs as Advisor

The Chair of each academic program guides and directs students in terms of advising major subject requirements, major electives, etc., ensuring the student meets all necessary requirements for graduation.

Role of the Faculty

The faculty members at AUN have received their advanced degrees from the world's finest universities and have substantial experience as university professors. Their role at AUN is to shape the education programs so that they are on the cutting edge of higher education internationally, respond to the goals and objectives of an AUN education, and meet the highest standards of excellence. Their role is also to present an instructional program that is rigorous and calls for students to understand, evaluate, and apply knowledge. They challenge students to be creative and critical thinkers, and to learn from doing, thinking, and communicating so that they will be life-long learners. Thus, faculty at AUN will challenge students to think and to form their own opinions and substantiate them with careful reasoning and documentation. AUN Faculty members are committed to generating new knowledge that can be applied to solve the problems of our community, country, and globe.

All faculty members are available to meet with students concerning their course work or interests in future research/study. Faculty members hold weekly office hours to address student questions or concerns. Students may make an appointment by speaking with the faculty member before or after class, sending an email, or visiting the faculty member during the posted hours.

Role of Academic Advisor

When students enroll at AUN, they are assigned an academic advisor who works with them throughout the duration of their study at the University. The primary purpose of academic advising is to provide effective guidance and support so that students can maximize the educational opportunities and make solid decisions about their future, both inside and outside the classroom. The student and advisor work closely together to identify the best course of study for the student based on interests and skills.
Students are encouraged to explore all disciplines of study, a practice that is supported by AUN's liberal arts curriculum. Although students will choose a particular major of study, they are strongly encouraged

to enroll in courses outside their area of study to enhance their understanding and expand their worldview. Students can change their major at any point for their academic career. After identifying a major, the student will have additional advising support from a designated faculty advisor and chair within their program of study.

At AUN, we believe that academic advising is directly related to the success of our students. The advising staff is responsible for assisting students in shaping their academic experience and developing goals and objectives to ultimately achieve their aspirations in life. Advisors provide guidance to students as they design a program of study, select appropriate courses, and complete the registration process. The advising staff works with students through the orientation process and throughout their education to ensure that students have a successful transition into the University. This office also provides support and direction for students experiencing academic difficulty during their studies.

Course Syllabus

Each instructor distributes a course syllabus at the first meeting of each class. The syllabus outlines the course content and learning outcomes, indicates major topics and assignments, explains the grading system for the course and provides information on required books and readings, as well as supplementary texts and sources of information. It is the student's responsibility to complete all assignments and come to class prepared, having completed any readings or other assignment as required during semester dates.

Class Attendance

American University of Nigeria has a mandatory Class Attendance Policy **requiring** each student to attend a minimum of **75%** of class sessions in each of their registered courses. No **un**excused absences are permitted. A student, who incurs absences more than fifteen percent (25%) of the class hours for that course will not be allowed to sit the final examination for the course. Students who have not attended class at least once by the 10% date of the course can be administratively withdrawn by the instructor. Students are expected to attend all classes, without exception.

Classes at AUN are small to encourage interaction and discussion with the instructor and other students and to make activity-based learning possible. Thus, it is essential that students be punctual and attend all classes. The instructors include the attendance policy and other expectations on the course syllabus. A student who is registered for a course and fails to adhere to attendance policy outlined by the university is subject to receiving a failing grade in the course for non-attendance.

Cumulative Assessment

The assessment of student progress is cumulative. The weight of the course does not depend solely on the final examination; rather, it is spread across multiple opportunities for the student to demonstrate mastery of the material. Assessment may include quizzes, mid-term exams, out-of-class and in-class written work, participation in class discussions, presentations, contributions to group projects and activities, research papers, journals, and other methods of assessing student performance. Each course syllabus clearly states the methods of assessment and their relative weight in calculating the final course grade.

Most degree programs at AUN require students to complete a seminar course or capstone project. Projects completed in a capstone seminar serve as a testimony to the learning, innovation, use of technology and spirit of inquiry fostered by the institution.

Textbooks and Required Materials

Students are expected to purchase textbooks and supplies that are required in their courses. Students are encouraged to use E-books (a digital textbook source) to access some textbooks while others can be purchased from the campus bookstore. Additionally, one copy of most texts is on reserve in the library.

Writing

The purpose of the **Writing Center** as a support system is to help nurture and develop students' writing and reading skills. The Center guides students through the development of their essay drafts, term papers or senior research projects into grammatically correct and meaningful submissions. The Center staff and tutors also mentor students through the proofreading stages during one-to-one sessions. It is important to emphasize that the Writing Center is not an editing center and that neither staff nor tutors write essays or term papers for students; rather, it is a space where through collaboration, grammatical inconsistencies, common errors in writing, different referencing styles, the ethical use of information, and other related matters are identified and addressed so that students can independently correct and improve on their papers before submitting them to their instructors.

The Writing Center is a key element in what we do at AUN and will continue to play critical roles in supporting students to nurture and fully develop their literacy, communication and study skills.

Writing Across the Curriculum

AUN is committed to the principle that writing is a key component in a liberal education. Writing, a means of communicating information, thoughts, and opinions, is an important tool in the creation of new ideas. Writing facilitates discovery and exploration of new knowledge and demands clear and critical thinking…all hallmarks of an educated person. The writing process allows students to refine rough ideas into clear expressions and hone various skills that students can later apply or transfer to other tasks and situations, i.e., techniques of invention and discovery, creation of organization patterns, constructively critiquing, and receiving criticism graciously. Employers recognize the written communication skill as one of the most significant attributes when making decisions regarding employment and further leadership opportunities. Therefore, every faculty member, regardless of discipline, is expected to provide opportunities and support to students to enable them to develop their writing, critical thinking, organizational and analytical skills in each course. Every AUN course will have at least one significant writing assignment. The Writing Center will assist with grammar and mechanics while course instructors will assess content.

Technology Across the Curriculum

New information technologies are changing the way we live and learn. AUN expects students to make full use of computers and related technology in all their courses and independent studies. The University is committed to ensuring that all graduates possess a high level of competence in information technology (IT). Our commitment to IT is underscored by the policy of requiring successful completion by all students of an IT course--CIE 111 – Introduction to Computers and Computing--besides others that they may take

as free or major electives. Students should expect to use computers in every class to complete assignments, write papers, conduct class activities, conduct research, access data electronically, produce presentations for class, and solve problems.

ACADEMIC RESOURCES AND ACADEMIC SUPPORT AND LEARNING SUCCESS

Student-Centered Approach

The University is committed not only to challenging students and providing them with demanding and rigorous courses, but also with providing the support systems to ensure that students have every opportunity to succeed. AUN maintains a low student-faculty ratio, so that every student has opportunities to interact directly with faculty. At AUN, students receive individual attention not only from faculty, but from staff and administration as well. The intention at AUN is that every student who is admitted and puts forth the effort required will succeed. The University will provide the tools, resources, and support to make that success possible.

Library

The AUN Library, also known as Department of Digital Services (DDS), was established with the mission of supporting and advancing the research and information needs of the AUN community by facilitating access to scholarly materials. The award-winning e-Library is housed on the main campus in the Robert A. Pastor Library and eLearning Center. It offers facilities for students to conduct research, study, and work in small groups.

The Pastor Center has a seating capacity of over one thousand, a modern auditorium which comfortably seats 250 people, 18 lecture rooms, two conference rooms, and 19 study rooms. Likewise, DDS provides desktops for the general use of the patrons.

The Robert Pastor E-Library has three floors where one can find the Information Desk/Library Reception, the 24/7 reading-study section, the Atiku Center for Leadership, Entrepreneurship, and Development, Academic Advising and Retention**,** the Writing Center, and the Mathematics Tutorial Services. DDS is constituted by three service units, i.e., Information Literacy Unit, Reference & Information Services Unit, and Research & Cataloging Unit.

The Information Literacy Unit provides instructional services that promote the acquisition of skills which enhance access to and ethical use of information resources.

The Reference and Information Services Unit guides users to appropriate information resources. Among its services are research support for students and faculty (accessing databases, selecting topics, and citing sources), interlibrary loan, and evaluation of textbooks for adoption.

The Research and Cataloguing Unit is responsible for processing and cataloging information materials of all formats and developing the AUN Digital Institutional Repository (DIR). The DIR preserves and makes accessible the intellectual products of the AUN community. The Research and Cataloguing Unit facilitates the use of Open Access and Open Educational resources among faculty, staff, and students. DDS is subscribed to over 30 online e-book and journal databases with specialized and multidisciplinary content. Physical holdings include 26,000 volumes, over 200 print periodicals titles, and an expanding audio-visual collection.
The online public access catalog can be consulted at http://library.aun.edu.ng

Computers and Information & Communications Technology (ICT)

Students are encouraged to use computers in all academic work to gain proficiency in hardware application-use and Internet research. In support of ICT training, the university requires that all students enroll in a tutorial course that enables them to make the most effective use of the university's ICT resources. A required technology and computing course builds the students' knowledge of computational and telecommunication technologies and associated thinking skills for problem solving across the disciplines, assessing ICT advances, and refining the ability to use technology to obtain a university level education.

The campus is equipped with high-speed wired and wireless service. From any location on campus students can access the university network, their email accounts, or the different Internet services. The university provides support for students who encounter problems or need help with their ICT equipment. The university's ICT infrastructure and satellite/radio and fiber teleport are among the best in sub-Saharan Africa.

Classroom and Laboratory Technology

Classrooms are equipped with instructional technology including overhead projection systems, smart boards, and data displays. Class discussions and presentations are supported by visual and audio aids, which students are expected to use in their class presentations. Computer laboratories and facilities are available to support student learning.

The main campus contains the Arts and Sciences building, which houses twelve state-of-the-art laboratories in biology, chemistry, physical sciences, zoology, the Mathematics Department's Computer Laboratory as well as lecture theaters, classrooms, seminar rooms, and faculty offices. In addition, the main campus houses computer laboratories that support instruction in ICT and are available for student use.

AUN Literacy Program

As a 'development university', the first in Africa, AUN has the responsibility of ensuring that the students are equipped with language, literacy and communication skills which meet and go beyond standard university requirements. The assessment of competencies begins upon resumption at university for all first-year students. The students will be required to take placement examinations - English Language and Mathematics.

Students who perform below the required admission levels will enroll in an English remedial course, referred to as WRI 100.

Only when the student receives a passing grade at the end of the semester of entry can he/she now begin a university level writing course. However, upon enrolment in WRI 100, the student can also take some other approved first year courses such as AUN 101 and CIE 111.

There are many resources to help students reach their full potentials and graduate with the required competencies in their respective majors. They include the Academic Advising & Retention Unit and the Writing Center, and learning programs such as the Book Club, Grammar Experience, Essential College Skills, and Writing Across the Curriculum (WAC).

Transfer students will have to demonstrate acceptable competence in English language before they are allowed to transfer to AUN.

Prof. Idorenyin Akpan Communications and Multimedia Laboratory

This facility exclusively designed for the CMD program is housed on the first floor of the Robert Pastor e-Library. It is an all-purpose multimedia lab fitted with state-of-the-art technologies and connected to the internet and communication spectrum all year round. It boasts of several units of the latest iMacs, Keystations, workstations, super Canon scanners, the EOS Rebel XT Digital Camera, projectors, television display units, Pixma DVD Printer, Barcode Scanner, Pablo Drawing Boards fitted with Cintiq Interactive Pen. The computers are fitted with Adobe Creative Clouds, Final-Cut Pro, Anime Studio Software, Autodesk 3 Software, and the Red Giant Software. All of these are intended to give the students a real feel of what is obtainable in world class studios. The lab can seat 50 students comfortably at various stages of media content production activities. It supports the teaching and practicum in radio/television postproduction courses, graphics, multimedia designs, photographic, creative advertising works, and filmic edits. The facility is open round the clock with dedicated technical hands willing to help students through.

CMD TV/Photography Studio

The CMD TV Studio is equally housed on the ground floor of the Robert Pastor e-Library and used primarily for teaching and production of videography-related courses and contents. It is fully digitalized for the students' best learning experiences and opened 24 hours for students' use. Equipment providedcan serve both the indoor and outdoor experiences of the students. The equipment includes various types and quantities of cameras such as the 5D MARK III; the 70D-, 6D-, 7D-, 500D-DSLRs; high- definition video cameras (HDV); the GO-PRO; EVP Viewfinder; Revo Track Slider; V-Control Power Grip; various categories of lenses and filters; various units and directions of microphones with high fidelity; well-designed lighting system; beautiful furnishing and space for more creative work as well as a teleprompter unit. The TV studio is expected to be fitted with a transmitter soon for live broadcast of students' projects, which currently are streamed on the CMD website, YouTube, and other vid-cast platforms. Postproduction work is done in the Akpan Communications and Multimedia Lab.

The studio also housed the Photography Unit with varieties of background, lights of various shades and colours for students learning experience for both indoor and outdoor. The equipment available in the studio for students are: Cameras as mentioned above, Dracast light and chargers, Westcott Rapid Box strip, Lowel Lighting Sets, 500mm F/8.0 Multi Coated Telephoto Lens and 650 - 1300mm Telephoto Zoom Lens, Red Head light and other Led Lights. The Studio of recent also added three more cameras to its learning experience: 2 Canon EOS 80D Camera with EFS 18-55mm Lens and a HD Sony HXR – MC2500 ENG Camera.

CMD Radio Studio

The CMD radio production facility currently transmits via the internet using the TuneIn radio app. Our investment in radio production is enormous as we still believe that our location in the North-East of Nigeria calls for greater attention to the production of radio contents that have enormous development potential for the unreached huge population. In 2016, the radio facility was used to produce over 60 episodes of the USAID sponsored Technology Enhanced Learning for All (TELA) content that was aired all year round. It was equally used to train radio drama content producers from the Northeast of Nigeria. A highly digitalized outfit, it is equipped with units of M-Audio Keystation, Alesis Speaker and Key Station, the Numark Playback Machine, the Yamaha Sound Mixer, units of the M-Sound and Auray sound systems, various grades of microphones especially the Auray and Behringer brands. Currently students' projects are aired on the CMD website, YouTube, and other vid-cast platforms. Postproduction work is done in the Akpan Multimedia and Digital Lab. The drive for content creation in all the production facilities is fueled by the development mission of the American University of Nigeria.

ACADEMIC SUPPORT AND LEARNING SUCCESS

The purpose of the Academic support and Learning Success is to provide guidance and support to AUN students throughout their program of study at AUN. Academic Support and Learning Success provides a bouquet of support to help AUN students achieve their academic goals and be the best they can be. It offers various resources that strengthen academic skills and performance, including Honor Society tutorials and Natural and Environmental Sciences Tutoring, Writing Center support, Academic Advising, First Year Experience seminars, Study Abroad exchange, academic skill development, study skill enhancement workshops, and more.

First Year Experience

The University provides a comprehensive Orientation Program for all new students and parents to provide an overview of all University programs and services and to assist with the transition to college life. The First Year Experience program is designed to provide continuous support and direction to new students throughout their first year at the University. Students participate in a series of workshops, seminars, and activities that focus on academic success and making greater connections to the University community. For more details, see First Year Experience - (AUN 101).

Honor Society Tutoring

Members of the AUN Honor Society are available to tutor undergraduate students in a wide range of courses offered by the University. These tutors assist fellow students by helping with class work, as well as homework assignments. Students may be matched up one-on-one with tutors who fit their academic needs or may participate in group workshops. These tutoring opportunities support many of the disciplines and programs that are offered at the university. The Honor Society tutors are on the ground floor of the Robert A. Pastor Library and E-Learning Center. It is important to note that Honor Society tutors do not do assignments for other students; rather they provide guidance and help explain difficult concepts to students under the guidance of a faculty member who oversees the center.

Creativity Society
The Creativity society will include an AUN Debate Society; AUN Poetic Society; AUN Drama and Performing Arts Society; AUN Chess Society, etc. This will encourage inter-departmental and inter-school competitions, and the selected team to represent the University in international competitions.

Natural and Environmental Sciences Tutoring (NEST)
NEST aims at assisting the NES major students who may require extra academic support with such classes as biology, physics, chemistry, NES 101, and others. The NEST center is in the Arts and Sciences building in the biology lab supported by students, lab assistants and a faculty advisor.

Writing Center
The purpose of the Writing Center as a free support system is to help nurture and develop students' academic writing, reading, critical thinking, research, and essential college skills. The Center guides students through the writing process and assists in the logical development of essay drafts, term papers or senior research projects. The Center staff and tutors also mentor students during one-to-one sessions and workshops. It is important to emphasize that the Writing Center is not an editing center and that neither staff nor tutors write essays or term papers for students, rather, it is a space where through collaboration, the synthesis of ideas, word choice, sentence structures, citation difficulties, and other related matters are identified and addressed so that students can independently correct and improve on their papers before submitting them to their instructors.

The Writing Center is at the core of what we do at AUN and will continue to play critical roles in supporting students to acquire or enhance their literacy, communication, and study skills.

Additional information can be found at https://www.aun.edu.ng/wc/AUN Writing Center

Mathematics Center
The goal of the Mathematics Resource Center is to provide support for students requiring extra attention to do well in their academic work, as well as to simulate an enabling environment for those interested in maturing their Mathematical and/or Statistics skills. The Center is staffed by faculty and several excellent senior students very knowledgeable in the different areas of both Mathematics and Statistics at which they provide tutorial assistance mostly on a one-to-one basis at most times of both the weekdays and weekends. Students who visit the Center with their assignments and homework are given a quality explanation of basic Mathematics/Statistics concepts, principles, and theoretical underpinnings of their work, so that they can use their understanding of these core essentials of the subjects to solve their own problem. The Center does not assist students solve assignments and homework exercises. Students have the option of a follow-up visit with specific tutors especially with faculty members if they so desire.

Mathematics Computer Laboratory
The Mathematics Lab is an "all computing" support facility for on-hand teaching and learning. Several Statistical and Mathematical applications are installed on the systems for the practical demonstration that must accompany the formal lecture of some courses, as well as for use afterwards at a student's free time, including weekends when it is more convenient for the diligent students to self-practice. Lab

demonstrators are usually on hand to answer questions and help with the basics that are necessary for a student to get going. The Lab has been used extensively for the computing aspect of the STEM project outreach to the local community.

Academic Advising & Retention

Academic advising is a unique resource for undergraduate and postgraduate students, aimed at ensuring each individual's academic path has both direction and purpose. AAR provides support for students throughout their academic programs, guiding them in making sound choices that reflect their educational and professional goals.

The services offered to AUN students include the following:

- Academic planning advice
- Assistance with selecting courses and transferring credits
- New Student orientation/registration
- Support with degree planning
- Assistance with transitioning into AUN
- Exploration of Schools, Majors, Minors, Concentrations
- Support for students at academic risk (CGPA<2.0)
- Referral to various learning resources (Counseling, Honor Society tutoring, Writing Center services and so on)
- Recognition of students (Dean's List, President's List, Scholarly Leadership, Most Improved Student)
- Support for international students in transition

Faculty Advising

Students in each degree program have been divided by the total number of Faculty members in that program to serve as their Faculty Advisors for continuous engagement and support to students assigned to them and as a requirement and a component of faculty responsibilities, The Faculty Advisors are designated Chairs of the various departments. Their priority is to ensure that Third Year and Fourth Year standing students are on the path to timely graduation. Program Advisors guide students' decisions in completing their major course requirements and guiding their choices of major electives. Program Advisors will also guide students on their choices of majors, minors, and concentrations. All Third Years are strongly encouraged to see their Chairs before their Senior year to seek counsel regarding their senior year course options.

Academic Advisors

When students enroll at AUN, they are assigned an academic advisor who works with them throughout the duration of their study at the University. The primary purpose of academic advising is to provide effective guidance and support so that students can maximize the educational opportunities and make solid decisions about their future, both inside and outside the classroom. The student and advisor work closely together to identify the best course of study for the student based on interests and skills.

Students are encouraged to explore all disciplines of study, a practice that is supported by AUN's liberal arts curriculum. Although students will choose a particular major of study, they are strongly encouraged to enroll in courses outside their area of study to enhance their understanding and expand their

worldview. Students can change their major at any point for their academic career. After identifying a major, the student will have additional advising support from a designated faculty advisor and chair within their program of study.

At AUN, we believe that academic advising is directly related to the success of our students. The advising staff is responsible for assisting students in shaping their academic experience and developing goals and objectives to ultimately achieve their aspirations in life. Advisors provide guidance to students as they design a program of study, select appropriate courses, and complete their registration process. The advising staff works with students through the orientation process and throughout their education to ensure that students have a successful transition into the University. They also provide support and direction for students experiencing academic difficulties during their studies.

Academic Advisors can help students succeed by:

- exploring programs
- addressing concerns about students' studies and directing them to the appropriate learning resource
- clarifying students' academic goals
- selecting courses that relate to students' goals and interests
- identifying skill-building opportunities
- devising a study plan if the student is struggling
- exploring academic options when faced with personal/family emergency
- determining where to go for additional information

Peer Tutoring

The Peer Tutoring Program is designed to help students with difficulties in any course due to particularly challenging subject matters, gaps in student preparation, loss of time due to illness, or other factors. Peer tutors are undergraduates who have performed well in specific courses and who have been trained in tutoring pedagogies, policies, and techniques. Our peer tutoring program is available to all undergraduates. Please note that AUN undergraduates are permitted to use only those tutoring services authorized by the Office of the Dean of Student Affairs.

Study Abroad

With the advice and consent of the Study Abroad Office, students are welcome to apply to study at accredited Universities in various parts of the world. Credits earned from studying overseas are transferred back to AUN, to ensure that participating students can graduate on schedule. The Office of Study Abroad guides and advises students on every step of the application process and provides pre-departure sessions and opportunities for sharing experiences upon return.

AUN has partnerships with various organizations and Universities worldwide on programs that will foster global understanding and study abroad opportunities. The following are some study-abroad opportunities under such partnerships:

Global Liberal Arts Alliance (GLAA)

AUN is a member of the Global Liberal Arts Alliance (GLAA) – an alliance of 29 liberal arts universities in 18 countries. Through AUN's membership in this organization, students selected through a competitive

process have the opportunity to participate and gain international experience through GLAA summer institutes and GLAA-sponsored conferences and research opportunities. Students can also broaden their experience and interact with students in other countries by enrolling in Globally Connected courses. A Globally Connected Course (GCC) "connects" students at two GLAA universities located in different countries enrolled in similar courses thus providing an international dimension to both courses that they would not have otherwise had. Please speak with the GLAA faculty liaison for further information on the Alliance and how you can take advantage of the opportunities AUN's membership provides. Interested students should contact AUN Study Abroad at studyabroad@aun.edu.ng to obtain information about current GLAA opportunities.
Under the auspices of the GLAA, AUN has a popular study abroad opportunity for students:

The Global Scholar Program (GSP)
The GSP prepares students for leadership and personal effectiveness in an increasingly interconnected world through the individually designed study of a topic of global focus. This usually involves an in-depth investigation of a significant issue that transcends national borders. Under this program, students will spend two semesters abroad in any two universities that make up the Alliance. (Students can obtain the list of Universities from the Study Abroad office).

This program is intended for highly motivated students seeking experience and active responsibility beyond their AUN experience. Students are expected to take the lead in identifying a topic of global focus which can be fulfilled by including study and out-of-class learning at institutions in two other countries either in Europe, Asia or North America (examples: feminism and social justice in a Middle East location contrasted with similar in China; global health education styles in Africa compared with the Midwest US or Europe; or journalism as a force for political action in an Asian, North American, and European context). In collaboration with a home campus faculty advisor, students explore the types of courses that might be taken at home institution and at the other two institutions in support of study of the topic of global focus. Students work with their academic faculty advisor to develop a sequence of study appropriate for the proposed global focus topic, whether as a component of a major or a set of broader educational goals.

On completion, students become part of a Community of Scholars. Students who have participated in this program from various colleges and universities will convene periodically (either virtually or in person) for focused thematic discussion with mentoring and support provided by the associated network of faculty advisors. To participate, students should obtain an Expression of Interest form from the Study Abroad desk at the Dean of Student Affairs office or email: studyabroad@aun.edu.ng. Students should normally be in their sophomore year to participate, but it is important for incoming students to consider this opportunity early.

Association of American International Colleges & Universities (AAICU).
AUN is a member of the AAICU, a consortium of 25 colleges across 19 countries. AUN holds the seat of Vice-President of the AAICU. The AAICU runs a Direct Educational Exchange Program where member universities can sign a Memorandum of Understanding, valid for two years, which allows them to exchange students.

AUN has signed a MOU with Richmond, The American International University in London. Richmond offers two full scholarships to qualified AUN students in exchange for a research study visit at AUN. To take advantage of the various study abroad opportunities available, students are encouraged to contact the Study Abroad office or email: studyabroad@aun.edu.ng.

Medical Study at St. George's University
AUN has a Memorandum of Understanding with St. George's University Grenada for studies leading to MD degree. Under the MOU, qualifying graduates of AUN's pre-approved pre-medicine/pre-veterinary programs will proceed to complete the MD degree at St. George's University. For the MD degree, the first 2 years of medical study is at St. George's School of Medicine, Grenada, and the final 2 years of clinical rotations at affiliated hospitals in the United States and/or UK.

John Cabot University
AUN has a memorandum of understanding with John Cabot University (JCU) for student exchange and academic cooperation. Under the MOU, students of AUN will be accepted at JCU for up to 1 academic year. JCU and AUN agree to transfer accredit acquired during the exchange year.

Richmond, The American International University in London
AUN has a Memorandum of understanding with Richmond. The MOU establishes specific educational relations and cooperation between the two academic institutions. The agreement is geared towards promoting academic development and cultural understanding. It allows the exchange of staff, faculty and students for a period of one academic year.

American University, Washington DC
There is a memorandum of understanding between AUN and the American University, Washington DC. This MOU is geared towards promoting the mobility of students as well promoting any other academic exchange. This partnership allows AUN students to travel to DC for a period of no longer 1 academic year and also give the same opportunity to students of AU.

Marlboro College
AUN and Marlboro college share a memorandum of understanding that permits exchange of students and faculty. This MOU is geared towards strengthening the academic relationship between these institutions. Under the said agreement the partners allow credit yielding exchange of students and work towards the development of academic endeavors such as summer programs and faculty exchange for mutual benefit.

In addition to all the above, AUN has an expanding portfolio of partnerships with various other universities including Tulane University and Kansas State University.

GENERAL EDUCATION PROGRAM

The General Education Program is designed to provide course work and experience consistent with the mission and vision of the University and relevant to the needs of Nigeria, the region, and the world. All students must complete the General Education Program requirements to be eligible for graduation. The General Education Program is a rigorous sequence of university level courses that provides a broad foundation in multiple disciplines and opportunities for students to integrate their knowledge and develop their critical thinking skills. The program covers the basic areas of human knowledge and understanding, as well as essential skills.
The General Education program requirements comprise of 50 credit hours in core disciplines drawn from the School of Arts and Sciences, the School of Business and Entrepreneurship, and the School of IT and Computing. Courses completed in meeting the General Education Program core requirements may be applied towards meeting the requirements for the student's major degree program, depending on the requirements of that major. Students should consult with Academic Advising for guidance on course selection within the General Education Program.

Community Development (CDV) Courses
AUN is committed to Community Development and seeks to instill this commitment in our students. As a Development University, it is imperative that we foster this concept and practice. All students are required to do a course in Community Development. In addition, by emphasizing community development AUN is giving a practical example in Corporate Social Responsibility (CSR), which, hopefully, our students will bring with them throughout their career as they move into positions where they and their businesses can engage in CSR to the benefit of local and other communities.

In CDV courses, students are introduced to the concepts of community service, citizenship, and critical reflection through an interdisciplinary service project to the community. They are exposed to the harsh realities and challenges facing the local community and lend their time and talents to implementing sustainable improvements. They work in one of AUN's designated community service development programs. AUN Community Development courses integrate meaningful community service with instruction and reflection to enrich the learning experience, teach civic responsibility, and improve our community and country. A CDV course is a semester-long course with at least 25 hours of community engagement.

General Education (GENED) Requirement
General Education supports a Liberal Arts experience that helps prepare students for success in their majors and personal & professional lives after graduation.
Students are required to complete all General Education courses as listed below. Each major may have prescribed GENED courses; students must refer to their specific major program.

Discipline	Course Code	Course Title	Credit Hours
First Year Experience (total 1 credit)	AUN 101	First Year Experience	1
Arts and Humanities (total 9 credits)	GEN 102	Nigerian Peoples and Culture	3
	GEN 103	History and Philosophy of Science	3
	PHI 300	Ethics and Leadership	3
Community Service (total 3 credits)	CDV 2xx	Community Development	3
Critical Thinking and Problem Solving (total 3 credits)	AUN 300	Critical Thinking and Problem Solving	3
Entrepreneurship (total 6 credits)	ENT 101	Introduction to Entrepreneurship	3
	ENT 325	Social Entrepreneurship	3
Information Technology (total 3 credits)	CIE 111	Introduction to Computers and Computing	3
Mathematics Based on placement test	MAT 100 or MAT 110 or MAT 112 or MAT 210 STA 101	Pre-Algebra This course is NOT counted towards graduation credits. University Algebra, Pre-Calculus, Calculus I, Introduction to Statistics	*0*
And			3
Statistics (total 6 credits)			3
Natural and Physical Sciences (total 7 credits)	BIO, CHE, GEO, NES, PHY (Lab)	Refer to the course description.	4
	BIO, CHE, GEO, NES, PHY (no Lab)		3
Social and Behavioral Sciences (total 6 credits)	ANT, CIV, ECO, HIS, ICP, PSY, SOC	Refer to course description	3
	ANT, CIV, ECO, HIS, ICP, PSY, SOC		3
Writing (total 6 credits)	*WRI 100* or WRI 101 *Based on placement test* and WRI 102	*Introduction to Composition* *This course is NOT counted towards graduation credits.*	*0*
		Composition I	3
		Composition II	3
		TOTAL	**50**

SCHOOL OF ART AND SCIENCES

Each of the programs offered by SAS is designed to reflect high standards in curriculum and instruction; to prepare the graduates with the values, skills, and knowledge to be successful in their future careers. Additionally, the degrees are structured to provide flexibility for students to select elective courses, areas of concentration and/or a minor.

Bachelor of Arts (B.A.) and Bachelor of Science (B.Sc.) degree programs within the school require the successful completion of course work in the major field of study in addition to satisfying general education requirements. Students are encouraged to work closely with their Chair in designing their programs of study and to consider completing a minor in a subject that will complement their career objectives.
Minors offered through the School of Arts and Sciences include:

- Public Relations/Advertising
- Economics
- English Literature and Language
- Politics and International Studies
- Journalism
- Mathematics
- Multimedia Design
- Natural and Environmental Sciences
- Statistics
- Radio/Television/Film
- Writing
- Globalization Studies

Writing and Mathematics Requirement*

Depending on the results of the placement test, this will determine the number of courses required.

If a student is placed in…		Credit Hours
WRI 100 *Intro. to Composition*	*This is a non-university credit bearing course and does NOT count towards the overall total graduation credits required. This course does not satisfy GENED requirements.*	*0*
MAT 100 *Pre-Algebra*	*This is a non-university credit bearing course and does NOT count towards the overall total graduation credits required. This course does not satisfy GENED requirements.*	*0*
MAT 110 University Algebra	ECO, NES, PETROCHEM students, this course does not satisfy GENED requirements. For ELL, ICP majors - this course satisfies GENED requirement.	3
MAT 112 Pre-Calculus	For NES students, this course does not satisfy GENED requirements. For ELL, ICP majors - this course satisfies GENED requirement. This course does not satisfy GENED requirements except for IS major students.	3
MAT 210 Calculus I	Course satisfies GENED requirement for NES, ECO majors.	3

Free Elective Requirement

Free Elective courses (min. 9 credits) are required for all SAS majors. Students are strongly encouraged to visit their program chair for course selection consultation.

	Course Code	Course Title	Credit Hours
FREE ELECTIVE (min. 9 credits)	XXX xxx	Visit program chair	1-4
	XXX xxx		1-4
	XXX xxx		1-4

BACHELOR OF SCIENCE IN COMMUNICATIONS AND MULTIMEDIA DESIGN (CMD)

Global or local political and socio-cultural change in modern societies cannot be understood without first understanding media and communications. Communication technologies and the various organizations that have evolved around them have fundamentally changed the way we lead our lives and the patterns of culture, economics, and politics in modern societies. The complexity and dynamic nature of modern communication requires a cutting-edge curriculum that is interdisciplinary, technologically driven, modern, and practical. In pursuit of the development mission of the American University of Nigeria, students of Communications & Multimedia Design learn about media not only as agents and agencies of information, education, and entertainment, but also as agents and agencies of development, peace building and change. Our mission is to produce graduates who are agents of change – skilled in using modern multimedia tools and artifacts to tell stories that can change their societies. Most of the courses are very practical and are deliberately designed to answer 'how to' questions.

To accomplish this, the CMD program employs a flexible approach that allows students to become a Communications and Multimedia generalist or to specialize in any of the professional concentrations, including Public Relations & Advertising (PRAD), Journalism, Multimedia Design, and Radio/TV/Film. Each concentration offers a balanced mixture of basic and advanced laboratory and lecture courses. Laboratory courses sharpen students' skills, while lecture courses enable students to view the profession from a variety of perspectives. Students also have the option to double-concentrate.

Classes are taught in state-of-the-art computer labs and classrooms. The department has two well-equipped media labs as well as an emerging TV/Radio production and broadcast facility. The networked labs are equipped with the latest software and served by in-house servers and databases. Separate Mac labs designed for advertising, graphics, photojournalism, and multimedia are fully equipped with appropriate film and flatbed scanners, CD/DVD drives and burners, DV decks, and printers. The Professor Idorenyin Akpan Digital and Multimedia Laboratory and production facilities are housed in the new Robert A. Pastor Library and E-Learning Center.

Upon completion of all degree requirements, students will receive a Bachelor of Science in Communications and Multimedia Design, with concentration in any four of the following:

1) Journalism
2) Multimedia Design
3) Public Relations & Advertising (PRAD)
4) Radio/Television/Film

To be allowed to declare a concentration, students must be in good academic standing and must have completed 60 credits (at least 30 of them in CMD courses).

Students in consultation with the program Chair may elect to declare a no-concentration option - in effect pursuing a general degree in communications and multimedia. Such an option (which involves two courses from each concentration in addition to Major requirements) prepares students for a comprehensive understanding of the various disciplines in the profession.

Career Direction

Communications and Multimedia graduates can embark upon rewarding and prosperous careers in fields such as journalism, government or corporate relations, advertising management, marketing communications, digital design, animation, broadcast media production, mediation, public affairs, public policy, media policy and regulation, speech writing, print, electronic or online reporting and/or editing, media planning and buying, sales promotions, public relations, etc. They can also be social media entrepreneurs.

Concentrations

The following is a description of the four areas of Concentration in CMD.

Journalism

The journalism concentration trains students to become Journalists who are sensitive to Africa's development challenges. Through courses such as Peace Journalism, Online/Digital Journalism etc, students are trained to tell stories sensitively using modern platforms. Students learn to become creative

and analytical writers. They also learn fair and accurate reporting using multiple sources. Most journalism graduates plan to seek jobs in newspapers (online and print), magazines (online and print), wire services, special interest publications. In short, the AUN journalism concentration is a training ground for careers as electronic and print reporters, editors, producers, copywriters, scriptwriters, news/project managers, copy editors, correspondents, columnists, or editorial writers. Graduates can also look forward to becoming social media entrepreneurs, drawing on the tools of new media to maintain a strong voice online.

Multimedia Design

The multimedia concentration provides students with the skills needed to succeed as professionals in photojournalism, graphic design, multiple media use and applications, digital audio and video production, media producing, animation, videography, multimedia design, web design, user interface/experience design. Skills are taught within the context of visual storytelling assignments and include a thorough discussion of communications ethics and standards.

Public Relations & Advertising (PRAD)

The PRAD concentration focuses on principles and strategies of public relations and advertising, including the branding of products through tools of marketing communications. Courses ensure a broad understanding of consumer behavior, targeting audiences, deciding strategy, and creating goal-directed advertising and PR campaigns for business organizations, governments, communities, causes etc. Students are exposed to various elements in PR & Advertising ranging from public diplomacy to contemporary approaches to marketing communications. This concentration is a training ground for PR practitioners, advertising account executives, media planners, media buyers, advertising layout & design specialists, advertising copywriters, brand managers, interactive media advertising specialists, marketing communications researchers, etc.

Radio/Television/Film

The Radio/TV/film concentration is designed for students interested in joining the ranks of professional TV program producers and filmmakers. Students learn how to organize and structure audio and visual material in cinematic formats. Students are also exposed to scriptwriting, radio, television and film production, cinematography, film directing, third world cinema, documentary film, film criticism and blacks in film. Students learn to write, direct, edit, and exhibit short films on celluloid, and develop critical thinking to analyze the powerful aesthetic, psychological, and socio-political influences of film, Radio and TV media.

Bachelor of Science in Communications and Multimedia Design Degree Requirements

All CMD students must complete a series of courses (credits) in consultation with the program chair to ensure all requirements have been fulfilled.

CMD majors are required to successfully complete the following credit hours upon graduation:

Communications and Multimedia Design

Communications and Multimedia Design Credit Hours Requirement					
CONCENTRATION AREA	**MAJOR**				**Overall Graduation Requirement**
	GENED	**CORE**	**Free Elective**	**Concentration Electives**	
	Total Credit Hours				
Journalism	50	48	9	18	**125**
Multimedia Design	50	48	9	18	**125**
Public Relations & Advertising	50	48	9	18	**125**
Radio/TV and Film	50	48	9	18	**125**

The number of credits is represented above. This is only a guide and for further clarification, students should visit their advisor/program chair.

Core (48 credits)

All CMD students are required to complete the following 48 credits of *CORE* courses.

Requirement	Course Code	Course Title	Credit Hours
CORE (48 credits)	CMD 110	Introduction to Communication Studies	3
	CMD 120	Writing for the Mass Media	3
	CMD 122	Principles of Multimedia Designs	3
	CMD 211	Globalization, Development & the Mass Media	3
	CMD 212	Principles of Public Relations & Advertising	3
	CMD 213	Principles of Journalism	3
	CMD 220	Intercultural Communications	3
	CMD 223	Foundations of Broadcasting	3
	CMD 302	Research in Communication	3
	CMD 313	Media Law and Ethics	3
	CMD 316	Public Speaking & Event Management	3
	CMD 333	Theories of Communication	3
	CMD 413	Social Media Dynamics	3
	CMD 490	Senior Research Project	3
	CMD 493*	Communication Internship	3
	CMD 499	Capstone Career Project	3

*Students will not be allowed to register for an internship (CMD 493) until they have earned 90 credit hours (12 credits of which must be within the area of concentration).

All CMD students are encouraged to enroll in CMD 400 (Special Topics in Communications and Multimedia Design) whenever it is on offer.

Concentration Electives

Students are required to successfully complete 18 credits within their concentration of interest.

Electives	Course Code	Course Title	Credit Hours
Journalism (18 Credits) ***choose any 6 courses.***	CMD 207	Peace Journalism	3
	CMD 228	Newswriting and Reporting	3
	CMD 224	Online /Digital Journalism	3
	CMD 324	Editorial and Critical Writing	3
	CMD 325	News Editing and Production	3
	CMD 303	Photojournalism	3
	CMD 412	Public Diplomacy	3
	CMD 417	Foreign Correspondence	3
	CMD 418	Specialized Reporting	3
	CMD 425	Feature Writing	3
Multimedia Design ***(18 Credits)*** ***choose any 6 courses***	CMD 115	Basic Photography & Videography	3
	CMD 125	Introduction to Visual Culture	3
	CMD 215	Descriptive & Illustrative Drawing	3
	CMD 226	Design Studio	3
	CMD 311	User Experience & User Interface Design	3
	CMD 322	Website & Mobile App Design	3
	CMD 323	Creative Advertising Strategy	3
	CMD 327	Digital Animation	3
	CMD 328	Multimedia Graphics Designs	3
	CMD 424	Multimedia Authoring	3
Public Relations & Advertising ***(18 Credits)*** ***choose any 6 courses***	CMD 115	Basic Photography and Videography	3
	CMD 225	Business Communications	3
	CMD 323	Advertising Creative Strategies	3

	CMD 412	Public Dip. & Strategic Media Interven.	3
	CMD 414	Management of Advertising Agencies & PR Consultancies	3
	CMD 416	Advertising/PR Campaigns	3
	CMD 421	Media Relations	3
	CMD 432	Community Relations	3
	CMD 443	Economic & Social Issues in PRAD	3
	CMD 448	Integrated Marketing Communications	3
Radio/Television/Film ***(18 Credits)*** ***choose any 6 courses***	CMD 115	Basic Photography & Videography	3
	CMD 216	Broadcast Media Aesthetics	3
	CMD 221	Newswriting and Reporting	3
	CMD 319	Announcing & Performance	3
	CMD 326	**Radio, FILM & TV Production**	**3**
	CMD 331	Film & Video Editing	3
	CMD 419	Web Broadcast Operations	3
	CMD 435	TV/Film Editing	3
	CMD 444	Cinematography	3
	CMD 447	Screenwriting	3

Communications & Multimedia Double Concentration

Students enrolled in the Communications and Multimedia Design program may pursue a second concentration; however, students must satisfy the requirements in both concentration areas. Students should visit their program chair for more details.

MINORS

MINOR IN PUBLIC RELATIONS AND ADVERTISING

Students wishing to minor in Public Relations & Advertising should have completed at least 30 credit hours.

The Minor requirements are as follows:

Two CMD core courses

CMD 110	Introduction to Communication Studies	3
CMD 212	Principles of Public Relations & Advertising	3

And any six courses (18 credits) from the following PRAD concentration courses.

CMD 115	Basic Photography and Videography	3
CMD 225	Business Communications	3
CMD 323	Advertising Creative Strategies	3
CMD 412	Public Diplomacy & Strategic Media Intervention	3
CMD 414	Management of Advertising Agencies & PR Consultancies	3
CMD 416	Advertising/PR Campaigns	3
CMD 421	Media Relations	3
CMD 432	Community Relations	3
CMD 443	Economic & Social Issues in PRAD	3
CMD 448	Integrated Marketing Communications	3

Total minor credits: 24

MINOR IN JOURNALISM

Students wishing to minor in Journalism should have completed at least 30 credit hours.

The Minor requirements are as follows:

Two CMD core courses

CMD 110	Introduction to Communication Studies	3
CMD 213	Principles of Journalism	3

And **any six** courses (18 credits) from the following PRAD concentration courses.

CMD 207	Peace Journalism	3
CMD 228	Newswriting and Reporting	3
CMD 224	Online /Digital Journalism	3
CMD 324	Editorial and Critical Writing	3
CMD 325	News Editing and Production	3
CMD 303	Photojournalism	3
CMD 412	Public Diplomacy	3
CMD 417	Foreign Correspondence	3
CMD 418	Specialized Reporting	3
CMD 425	Feature Writing	3

Total minor credits: 24

MINOR IN MULTIMEDIA DESIGN

Students wishing to minor in Multimedia Design should have completed at least 30 credit hours.

The Minor requirements are as follows:

Two CMD core courses

CMD 110	Introduction to Communication Studies	3
CMD 122	Principles of Multimedia Designs	3

And **any six** courses (18 credits) from the following PRAD concentration courses.

CMD 115	Basic Photography & Videography	3
CMD 125	Introduction to Visual Culture	3
CMD 215	Descriptive & Illustrative Drawing	3
CMD 226	Design Studio	3
CMD 311	User Experience & User Interface Design	3
CMD 322	Website & Mobile App Design	3
CMD 323	Creative Advertising Strategy	3
CMD 327	Digital Animation	3
CMD 328	Multimedia Graphics Designs	3
CMD 424	Multimedia Authoring	3

Total minor credits: 24

MINOR IN RADIO/TV/FILM

Students wishing to minor in Radio/TV/Film should have completed at least 30 credit hours.

The Minor requirements are as follows:

Two CMD core courses

CMD 110	Introduction to Communication Studies	3
CMD 223	Foundations of Broadcasting	3

And **any six** courses (18 credits) from the following PRAD concentration courses.

CMD 115	Basic Photography & Videography	3
CMD 216	Broadcast Media Aesthetics	3
CMD 221	Newswriting and Reporting	3
CMD 319	Announcing & Performance	3
CMD 326	Radio, FILM & TV Production	3
CMD 331	Film & Video Editing	3
CMD 419	Web Broadcast Operations	3
CMD 435	TV/Film Editing	3
CMD 444	Cinematography	3
CMD 447	Screenwriting	3

Total minor credits: 24

SAMPLE FOUR YEAR STUDY PLAN FOR BACHELOR OF SCIENCE IN COMMUNICATIONS & MULTIMEDIA DESIGN - JOURNALISM CONCENTRATION

This study plan is a guide only.

This study plan does not reflect remedial courses (MAT 100/WRI100). Due to faculty and scheduling changes some courses may not be offered during the semesters indicated. Check with your faculty and academic advisors along with your program chair each semester to be up to date with changes to the study plan.

FALL & SPRING ADMISSION

FIRST YEAR - CMD JOURNALISM

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
1	MAT 110 or MAT 112 or MAT 210	**Maths and Statistics** Mathematics	3	Placement test	GENED
	WRI 101	**Writing** Composition I	3		GENED
	GEN 102 or GEN 103	**Arts & Humanities** Select one	3	None	GENED
	AUN 101	**First Year Experience** First Year Experience	1	None	GENED
	CIE 111	**Info. Technology** Intro. to Computers & Computing	3	None	GENED
	CMD 110	Introduction to Mass Media Studies	3	None	CORE
Total			**16**		

2	ANT, CIV, ECO, HIS, ICP, PSY, SOC	**Social & Behavioral Sc.** Select one	3	None	GENED
	STA 101	**Maths & Statistics** Intro. to Statistics	3	MAT 110 or higher	GENED
	BIO, CHE, GEO, NES, PHY	**Natural & Physical Sc.** Select one (Lab)	4	None	GENED
	WRI 102	**Writing** Composition II	3	WRI 101	GENED
	ENT 101	**Entrepreneurship** Intro. to Entrepreneur	3	None	GENED
Total			**16**		

SECOND YEAR – CMD JOURNALISM

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
3	CMD 122	Principles of Multimedia Design	3	None	CORE
	GEN 102 or GEN 103	**Arts & Humanities** Select one	3	None	GENED
	ANT, CIV, ECO, HIS, ICP, PSY, SOC	**Social & Behavioral Sc.** Select one	3	Refer to the course description.	GENED
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	CMD 120	Writing for Mass Media	3	WRI 101	CORE
	CMD 213	Principles of Journalism	3	CMD 110	CORE
Total			**18**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
4	CMD 212	Principles of Public Relations & Advertising	3	CMD 110	CORE
	CDV 2xx	**Community Service** Community Development	3	None	GENED
	BIO, CHE, GEO, NES, PHY	**Natural & Physical Sciences** Select one (no Lab)	3	None	GENED
	CMD 220	Intercultural Communication	3	CMD 110	CORE
	CMD 211	Globalization, Development & Mass Media	3	None	CORE
		Total	**15**		

THIRD YEAR – CMD JOURNALISM

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
5	AUN 300	**Critical Thinking & Problem Solving** Critical Thinking & Problem Solving	3	min. 3rd yr. standing	GENED
	CMD 223	Foundations of Broadcasting	3	CMD 122, min. 3rd yr. standing	CORE
	CMD 316	Public speaking & Events Management	3	None	CORE
	ENT 325	**Entrepreneurship** Social Entrepreneurship	3	ENT 101	GENED
	PHI 300	**Arts & Humanities** Ethics & Leadership	3	min. 3rd yr. standing	GENED
		Total	**15**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
6	XXX xxx	Visit the program chair	3	Refer to course description	FREE ELECTIVE
	CMD 302	Research in communication	3	CMD 110	CORE
	CMD 333	Theories of Communication	3	CMD 110 & CMD 211	CORE
	CMD xxx	See Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	CMD 313	Media Law & Ethics	3	CMD 110	CORE
		Total	**15**		

FOURTH YEAR – CMD JOURNALISM

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
7	CMD 413	Social Media Dynamics	3	4th yr. standing	CORE
	CMD xxx	See Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	CMD xxx	See Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	CMD 499	Capstone Project	3	4th yr. standing	CORE
	CMD 493	Communication & Multimedia Internship	3	min. 3rd yr. standing	CORE
		Total	**15**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
8	CMD xxx	See Concentration Elective list	3	Refer to the course description.	CONCENTRATION ELECTIVE
	XXX xxx	Visit program chair	3	Refer to the course description.	FREE ELECTIVE
	CMD xxx	See Concentration Elective list	3	Refer to the course description.	CONCENTRATION ELECTIVE
	CMD xxx	See Concentration Elective list	3	Refer to the course description.	CONCENTRATION ELECTIVE
	CMD 490	Senior Research Project	3	min. 3rd yr. standing	CORE
		Total	**15**		

SAMPLE FOUR YEAR STUDY PLAN FOR BACHELOR OF SCIENCE (BSc.) IN COMMUNICATIONS AND MULTIMEDIA DESIGN (BSc CMD) MULTIMEDIA DESIGN CONCENTRATION

FALL AND SPRING ADMISSION

This study plan is a guide only.

This study plan does not reflect remedial courses (MAT 100/WRI100). Due to faculty and scheduling changes some courses may not be offered during the semesters indicated. Check with your faculty and academic advisors along with your program chair each semester to be up to date with changes to the study plan.

FIRST YEAR - MULTIMEDIA DESIGN

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
1	MAT 110 or MAT 112 or MAT 210	**Maths and Statistics** / Mathematics	3	Placement test	GENED
	WRI 101	**Writing** / Composition I	3		GENED
	GEN 102 or GEN 103	**Arts & Humanities** / Select one	3	None	GENED
	AUN 101	**First Year Experience** / First Year Experience	1	None	GENED
	CIE 111	**Info. Technology** / Intro. to Computers & Comp.	3	None	GENED
	CMD 110	Introduction to Mass Media Studies	3	None	CORE
		Total	**16**		
2	ANT, ECO, CIV, HIS, ICP, PSY, SOC	**Social & Behavioral Sc.** / Select one	3	None	GENED
	STA 101	**Maths & Statistics**	3		GENED

		Intro. to Statistics		MAT 110 or higher	
	BIO, CHE, GEO, NES, PHY	**Natural & Physical Sciences**	4	None	GENED
		Select one			
	WRI 102	**Writing**	3	WRI 101	GENED
		Composition II			
	ENT 101	**Entrepreneurship**	3	None	GENED
		Intro. to Entrepreneurship			
Total			**16**		

SECOND YEAR – CMD MULTIMEDIA DESIGN

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
3	CMD 122	Principles of Multimedia Design	3	None	CORE
	GEN 102 or GEN 103	**Arts & Humanities**	3	None	GENED
		Select one			
	ANT, CIV, ECO, HIS, ICP, PSY, SOC	**Social & Behavioral Sciences**	3	Refer to course description	GENED
		Select one			
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	CMD 120	Writing for Mass Media	3	WRI 102	CORE
	CMD 213	Principles of Journalism	3	CMD 110	CORE
Total			**18**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
4	CDV xxx	**Community Service** Community Development	3	None	GENED
	BIO, CHE, GEO, NES, PHY	**Natural & Physical Sciences** Select one (no Lab)	3	None	GENED
	CMD 212	Principles ofPublic Relations & Advertising	3	CMD 110	CORE
	CMD 220	Intercultural Communication	3	CMD 110	CORE
	CMD 211	Globalization, Development & Mass Media	3	None	CORE
Total			**15**		

THIRD YEAR – CMD MULTIMEDIA DESIGN

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
5	AUN 300	**Critical Thinking & Problem Solving** Critical Thinking & Problem Solving	3	min. 3rd yr. standing	GENED
	CMD 223	Foundations of Broadcasting	3	min. 3rd yr. standing or CMD 122	CORE
	CMD 316	Public speaking & Events Mgt.	3	None	CORE
	ENT 325	**Entrepreneurship** Social Entrepreneurship	3	ENT 101	GENED
	PHI 300	**Arts & Humanities** Ethics & Leadership	3	min. 3rd yr. standing	GENED
		Total	**15**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
6	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	CMD 302	Research in Communications	3	CMD 110	CORE
	CMD 333	Theories of Communication	3	CMD 110 & CMD 211	CORE
	CMD xxx	See CMD Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	CMD 313	Media Law & Ethics	3	CMD 110	CORE
		Total	**15**		

FOURTH YEAR – CMD MULTIMEDIA DESIGN

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
7	CMD 413	Social Media Dynamics	3	4th yr. standing	CORE
	CMD xxx	See Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	CMD xxx	See Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	CMD 499	Capstone Project	3	min. 3rd yr. standing or CMD 213	CORE
	CMD 493	Communication & Multimedia Internship	3	min. 3rd yr. standing	CORE
		Total	**15**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
8	CMD xxx	See Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	XXX xxx	see program chair	3	Refer to course description	FREE ELECTIVE
	CMD xxx	See Concentration Elective list	3	4th yr. standing	CONCENTRATION ELECTIVE
	CMD xxx	See Concentration Elective list	3	4th yr. standing	CONCENTRATION ELECTIVE
	CMD 490	Senior Research Project	3	min. 3rd yr. standing	CORE
		Total	**15**		

SAMPLE 4 YEAR STUDY PLAN –BACHELOR OF SCIENCE IN COMMUNICATIONS AND MULTIMEDIA DESIGN - PUBLIC RELATIONS & ADVERTISING CONCENTRATION
FALL AND SPRING ADMISSION

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FIRST YEAR - CMD PUBLIC RELATIONS & ADVERTISING

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
1	MAT 110 or MAT 112 or MAT 210	**Maths and Statistics**	3	Placement Test	GENED
		Mathematics			
	WRI 101	**Writing**	3		GENED
		Composition I			
	GEN 102 or GEN 103	**Arts & Humanities**	3	None	GENED
		Select one			
	AUN 101	**First Year Experience**	1	None	GENED
		First Year Experience			
	CIE 111	**Info. Technology**	3	None	GENED
		Intro. to Computers & Computing			
	ENT 101	**Entrepreneurship**	3	None	GENED
		Intro. to Entrepreneurship			
Total			**16**		

2	ANT, CIV, ECO, HIS, ICP, PSY, SOC	**Social & Behavioral Sciences** Select one	3	None	GENED
	CMD 110	Intro. to Mass Media Studies	3	None	CORE
	BIO, CHE, GEO, NES, PHY	**Natural & Physical Sciences** Select one	4	None	GENED
	WRI 102	**Writing** Composition II	3	WRI 101	GENED
	STA 101	**Maths and Statistics** Introduction to Statistics	3	MAT 110 or higher	GENED
		Total	**16**		

SECOND YEAR – CMD PUBLIC RELATIONS & ADVERTISING

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
3	CMD 122	Principles of Multimedia Design	3	None	CORE
	CDV xxx	**Community Service** Community Development Service	3	None	GENED
	BIO, CHE, GEO, NES, PHY	**Natural & Physical Sciences** Select one	3	Refer to course description	GENED
	CMD 120	Writing for Mass Media	3	WRI 101	CORE
	CMD 211	Globalization, Develop. & Mass Media	3	None	CORE
		Total	**15**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
4	CMD 212	Principles of Public Relations & Advertising	3	CMD 110	CORE
	GEN 102 or GEN 103	**Arts & Humanities** Select one	3	None	GENED
	ANT, CIV, ECO, HIS, ICP, PSY, SOC	**Social & Behavioral Sciences** Select one	3	Refer to course description	GENED
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	CMD 220	Intercultural Communication	3	CMD 110	CORE
	CMD 213	Principles of Journalism	3	CMD 110	CORE
		Total	**18**		

THIRD YEAR – CMD PUBLIC RELATIONS & ADVERTISING

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
5	CMD 333	Theories of Communication	3	CMD 110 & CMD 211	CORE
	CMD 302	Research in Communication	3	CMD 110	CORE
	XXX xxx	see program chair	3	Refer to course description	FREE ELECTIVE
	CMD 313	Media Laws and Ethics	3	CMD 213	CORE
	CMD xxx	See list of CMD Concentration courses	3	Refer to course description	CONCENTRATION ELECTIVE
		Total	**15**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
6	CMD 223	Foundations of Broadcasting	3	3rd yr. standing, CMD 122	CORE
	AUN 300	**Critical Thinking & Problem Solving** Critical Thinking & Problem Solving	3	min 3rd yr. standing	GENED
	CMD 316	Public Speaking & Events Management	3	None	CORE
	ENT 325	**Entrepreneurship** Social Entrepreneurship	3	ENT 101	GENED
	PHI 300	**Arts & Humanities** Ethics & Leadership	3	min. 3rd yr. standing	GENED
		Total	**15**		

FOURTH YEAR - CMD PUBLIC RELATIONS & ADVERTISING

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
7	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	CMD xxx	See Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	CMD xxx	See Concentration Elective list	3	4th yr. standing	CONCENTRATION ELECTIVE
	CMD xxx	See Concentration Elective list	3	4th yr. standing	CONCENTRATION ELECTIVE
	CMD 490	Senior Research Project	3	min. 3rd yr. standing	CORE
		Total	**15**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
8	CMD 499	Capstone Project	3	min. 3rd yr. standing or CMD 213	CORE
	CMD xxx	See Concentration Elective list	3	4th yr. standing	CONCENTRATION ELECTIVE
	CMD xxx	See Concentration Elective list	3	4th yr. standing	CONCENTRATION ELECTIVE
	CMD 413	Social Media Dynamics	3	4th yr. standing	CORE
	CMD 493	Communication & Multimedia Internship	3	min. 3rd yr. standing	CORE
		Total	**15**		

SAMPLE 4-YEAR STUDY PLAN – BACHELOR OF SCIENCE IN COMMUNICATIONS AND MULTIMEDIA DESIGN - RADIO/TELEVISION AND FILM CONCENTRATION
FALL AND SPRING ADMISSION

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FIRST YEAR - CMD RADIO/TELEVISION & FILM

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
1	MAT 110 or MAT 112 or MAT 210	**Maths and Statistics** / Mathematics	3	Placement test	GENED
	WRI 101	**Writing** / Composition I	3		GENED
	GEN 102 or GEN 103	**Arts & Humanities** / Select one	3	None	GENED
	AUN 101	**First Year Experience** / First Year Experience	1	None	GENED
	CIE 111	**Info. Technology** / Intro. to Computers & Computing	3	None	GENED
	ENT 101	**Entrepreneurship** / Intro. to Entrepreneurship	3	None	GENED
Total			**16**		

2	ANT, CIV, ECO, HIS, ICP, PSY, SOC	**Social & Behavioral Sciences** Select one	3	None	GENED
	CMD 110	Intro. Mass Media Studies	3	None	CORE
	BIO, CHE, GEO, NES, PHY	**Natural & Physical Sciences** Select one	4	None	GENED
	WRI 102	**Writing** Composition II	3	WRI 101	GENED
	STA 101	**Maths & Statistics** Intro. to Statistics	3	MAT 110 or higher (min. 'C' grade)	GENED
		Total	**16**		

SECOND YEAR – CMD RADIO/TELEVISION AND FILM CONCENTRATION

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
3	CMD 122	Principles of Multimedia Design	3	None	CORE
	CDV xxx	**Community Service** Community Service	3	None	GENED
	BIO, CHE, GEO, NES, PHY	**Natural & Physical Sciences** Select one	3	Refer to course description	GENED
	CMD 220	Intercultural Communication	3	CMD 110	CORE
	CMD 211	Globalization, Develop. & Mass Media	3	None	CORE
		Total	**15**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
4	CMD 212	Principles of Public Relations & Advertising	3	CMD 110	CORE
	GEN 102 /GEN 103	**Arts & Humanities** Select one	3	None	GENED
	ANT, CIV, ECO, HIS, ICP, PSY, SOC	**Social & Behavioral Sciences** Select one	3	None	GENED
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	CMD 120	Writing for Mass Media	3	WRI 101	CORE
	CMD 213	Principles of Journalism	3	CMD 110	CORE
		Total	**18**		

THIRD YEAR CMD RADIO/TELEVISION AND FILM CONCENTRATION

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
5	CMD 333	Theories of Communication	3	CMD 110 & CMD 211	CORE
	CMD 302	Research in Communication	3	CMD 110	CORE
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	CMD 313	Media Laws and Ethics	3	CMD 213	CORE
	CMD xxx	See Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
		Total	**15**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
6	CMD 223	Foundations of Broadcasting	3	3rd yr. standing, CMD 122	CORE
	AUN 300	**Critical Thinking & Problem Solving** Critical Thinking & Problem Solving	3	min. 3rd yr. standing	GENED
	CMD 316	Public Speaking & Events Mgt.	3	None	CORE
	ENT 325	**Entrepreneurship** Social Entrepreneurship	3	ENT 101	GENED
	PHI 300	**Arts & Humanities** Ethics & Leadership	3	min. 3rd yr. standing	GENED
		Total	**15**		

FOURTH YEAR – CMD RADIO/TELEVISION & FILM

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
7	XXX xxx	see program chair	3	Refer to course description	FREE ELECTIVE
	CMD xxx	See Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	CMD xxx	See Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	CMD xxx	See Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	CMD 490	Senior Research Project	3	4th yr. standing	CORE
		Total	**15**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
8	CMD 499	Capstone Project	3	min. 3rd yr. standing	CORE
	CMD xxx	See Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	CMD xxx	See Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	CMD 413	Social Media Dynamics	3	4th yr. standing	CORE
	CMD 493	Communication & Multimedia Internship	3	min. 3rd yr. standing	CORE
		Total	**15**		

BACHELOR OF SCIENCE (B.Sc.) IN ECONOMICS

Economists study how individuals, firms, and countries make difficult choices about how to use scarce resources to achieve their goals – be it individual welfare, firm profits, or national well-being. These choices are evaluated under a small set of powerful concepts: rationality, efficiency, equity, and stability. Economists model real-world situations and use deductive reasoning to arrive at the model's implications and test the conclusions of the model empirically using statistical and analytical techniques. The undergraduate curriculum in economics at AUN is designed to:

- provide a solid foundation in modern economic theory
- assist students in applying these theoretical perspectives to issues of economic efficiency, growth, globalization, equity and social justice, wealth and poverty, individual freedom, discrimination, cultural values, and the physical and biological environment
- illuminate the interaction of the subject with related fields such as political science and finance, among others.
- encourage critical and independent thought about economic policies and programs in an ever-changing world order
- develop the capacity to do quantitative analysis and research using statistical and mathematical techniques and
- provide the students with a deep understanding of the evolution of economic, political and financial systems over time.

An undergraduate major in economics opens many possibilities for employment. These options include employment in:

- financial institutions
- businesses and corporations
- local, state, and federal governments
- financial consulting firms
- non-profit and non-government organizations

In addition, there is potential for graduates to conduct post-graduate study and research. Students of economics are trained in economic theory and empirical techniques, as well as in the application of economics to such fields as business, political science, and law. Therefore, they are well suited to pursue graduate education in economics, related areas or interdisciplinary subjects, both locally and abroad. Future employment possibilities for students entering graduate school include teaching and research in colleges and universities, as well as senior positions in industry and government.
As an Economics major, students are required to successfully complete the following credit load upon graduation.

Bachelor of Science in Economics Degree Program Requirement

All students of Economics must complete a series of courses (credits) in consultation with the program chair to ensure all requirements have been fulfilled.

Bachelor of Science (B.Sc.) in Economics Credit Hours Requirement							
Program	**MAJOR**						**Overall Graduation Requirement**
	GENED	**Core**	**Free Elective**	**Technical Elective**	**ECO-Elective**	**Non-ECO Elective**	
	Minimum Total Credit Hours						
Economics	50	57	9	6	9	9	**140**

General Education Requirement (50 credits)

This general education requirement below is specific to the Economics program. Students are required to complete all General Education courses as listed

Discipline	Course Code	Course Title	Credit Hours
First Year Experience (Total 1 credit)	AUN 101	First Year Experience	1
Arts and Humanities (Total 9 credits)	GEN 102 GEN 103 PHI 300	Nigerian Peoples and Culture History and Philosophy of Science Ethics and Leadership	3 3 3
Community Service (Total 3 credits)	CDV 2xx	Community Development	3
Critical Thinking and Problem Solving (Total 3 credits)	AUN 300	Critical Thinking and Problem Solving	3
Entrepreneurship (Total 6 credits)	ENT 101 ENT 325	Introduction to Entrepreneurship Social Entrepreneurship	3 3
Information Technology (Total 3 credits)	CIE 111	Introduction to Computers and Computing	3
Mathematics* *Based on placement test* and	*MAT 100* or MAT 110 or MAT 112 or MAT 210	*Pre-Algebra* *This course is NOT counted towards graduation credits.* University Algebra Pre-Calculus Calculus I	*0* 3
Statistics (Total 6 credits)	STA 101	Introduction to Statistics	3
Natural and Physical Sciences	BIO, CHE, GEO, NES, PHY (Lab)	Refer to course description	4

(Total 7 credits)	BIO, CHE, GEO, NES, PHY (no Lab)		3
Social and Behavioral Sciences (Total 6 credits)	ANT, CIV, ECO, HIS, ICP, PSY, SOC	Refer to course description	3
	ANT, CIV, ECO, HIS, ICP, PSY, SOC		3
Writing* (total 6 credits)	*WRI 100/*WRI 101 and WRI 102	*Introduction to Composition/*Composition I *WRI 100 is NOT counted towards graduation credits.* Composition II	0/3 3

Writing and Mathematics Requirement*

Depending on the results of the placement test, this will determine the number of courses required.

If a student is placed in…		**Credit Hours**
WRI 100 Introduction to Composition	*This is a non-university credit bearing course and does NOT count towards the overall total graduation credits required. This course does not satisfy GENED requirements. Upon successful completion, a student must enroll in WRI 101.*	*0*
MAT 100 Pre-Algebra	*This is a non-university credit bearing course and does NOT contribute towards the overall total graduation credits required. This course does not satisfy GENED requirements. Upon successful completion, a student will enroll in MAT 110.*	*0*
MAT 110 University Algebra	This course does not satisfy GENED requirements. Upon successful completion, a student will enroll in MAT 112. ***NOTE – this course may satisfy FREE ELECTIVE (min. C grade required). Consult with the program chair.***	3
MAT 112 Pre-Calculus	This course does not satisfy GENED requirements. Upon successful completion, a student will enroll in MAT 210. ***NOTE – this course may satisfy FREE ELECTIVE (min. C grade required). Consult with the program chair.***	3
MAT 210 Calculus I	This course satisfies GENED requirements.	3

All students majoring in Economics must complete the following course components.

Core Courses (57 credits)

Students must complete all 18 *CORE* courses as listed.

Requirement	Course Code	Course Title	Credit Hours
CORE (57 credits)	ECO 101	Introduction to Economics	3
	ECO 102	Introduction to Accounting	3
	ECO 210	Principles of Microeconomics	3

	ECO 220	Principles of Macroeconomics	3
	ECO 230	Introductory Mathematics for Economists	3
	ECO 310	Intermediate Microeconomics	3
	ECO 320	Intermediate Macroeconomics	3
	ECO 330	Introductory Econometrics	3
	ECO 341	Applied Statistics I	3
	ECO 410	Advanced Microeconomics	3
	ECO 420	Advanced Macroeconomics	3
	ECO 442	Applied Statistics II	3
	ECO 451	Taxation and Fiscal Policy	3
	ECO 452	Economy Planning	3
	ECO 453	Production Economics	3
	ECO 454	Project Evaluation	3
	ECO 470	History of Economic Thought	3
	ECO 490	Senior Research Project I	3
	ECO 491	Senior Research Project II	3

Technical Electives (6 credits)

In addition to the CORE courses listed above, all students of Economics must complete at least **6 credit units (2 technical courses)** outlined below:

Requirement	Course Code	Course Title	Credit Hours
TECHNICAL ELECTIVES (6 credits)	ECO 340	Development Economics	3
	ECO 342	Environmental Economics	3
	ECO 350	Digital Economy	3
	ECO 351	Health Economics	3
	ECO 352	International Economics	3
	ECO 422	Monetary Economics	3

In addition to *Technical Electives*, students are also required to complete *ECO-Electives* (9 credits).

ECO-Electives Courses (9 credits)

Any 9 credits (3 courses) from the Eco-Elective list below

Requirement	Course Code	Course Title	Credit Hours
ECO- ELECTIVES (9 credits)	ECO 312	Labor Economics	3
	ECO 321	Money and Banking	3
	ECO 354	Petroleum and Energy Economics	3
	ECO 362	Public Choice: The study of self-Interested Government	3
	ECO 371	History and Structure of Nigeria economics	3
	ECO 331	Econometrics I	3
	ECO 352	Public Policy/Public Sector Economics	3
	ECO 430	Advanced Mathematics for Economics	3
	ECO 431	Econometrics II	3
	ECO 432	Operation Research	3

	ECO 440	Advanced Economic Development	3
	ECO 442	Urban and Regional Economics	3
	ECO 450	Industrial Organization	3
	ECO 455	Problems and Policies Development	3
	ECO 456	Agricultural Economics	3
	ECO 457	Islamic Economics	3
	ECO 460	Comparative Economic Systems	3
	ECO 461	Political Economy of Globalization	3
	ECO 492	Independent Study	3
	ECO 493	Internship in Economics	3
	SEN 470	Engineering Economics *This course is also a Non-ECO Elective (Business)*	3

Non-ECO Electives Courses (9 credits)

Students majoring in Economics are to complement their training by completing at least three (3) courses from the following list of disciplines: *Business, Development, Finance, Government and Politics* depending on their interests. Students may select courses of any of the disciplines listed.

Requirement	Discipline	Course Code	Course Title	Credit Hours
NON-ECO ELECTIVES (9 credits)	**Business**	ACC 201*	Principles of Financial Accounting	3
		ACC 202	Principles of Managerial Accounting	3
		ENT 325	Social Entrepreneurship	3
		SEN 470	Engineering Economics	3
	Development	ENT 326	Microfinance & Economic Development.	3
		CDV 392	Advanced Applied Community Development	3
		ICP 135	Introduction to International Development.	3
		ICP 302	Politics of Development & Underdevelopment	3
	Finance	FIN 201	Business Finance	3
		FIN 320	Financial Institutions and Markets	3
		FIN 330	Security Analysis	3
	Government and Politics	ICP 101	Intro. to Comparative Politics	3
		ICP 131	Intro. to International Relations	3
		ICP 161	Introduction to Political Theory	3

*Students are required to register for this course to meet up with NUC requirement

SAMPLE 4 -YEAR STUDY PLAN - BACHELOR OF SCIENCE IN ECONOMICS

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FALL & SPRING ADMISSION

FIRST YEAR - ECONOMICS

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
1	ECO 101	Introduction to Economics	3	None	CORE
	ECO 102	Introduction to Accounting	3	None	CORE
	AUN 101	**First Year Experience** First Year Experience	1	None	GENED
	CIE 111	**Info. Technology** Intro. to Computers & Computing	3	None	GENED
	WRI 101	**Writing** select one	3	Placement test	GENED
	BIO/CHE/ GEO/NES/PHY	**Natural & Physical Sciences** select one	4	Refer to course description	GENED
Total			**17**		
2	STA 101	**Math and Statistics** Introduction to Statistics	3	None	GENED
	ENT 101	**Business & Entrepreneurship** Introduction to Entrepreneurship.	3	None	GENED
	BIO/CHE/GEO NES/PHY	**Natural & Physical Sciences** select one	3	Refer to course description	GENED
	WRI 102	**Writing** Composition II	3	WRI 101	GENED
	MAT 110	**Math and Statistics** University Algebra	3	None	Free Elective
	MAT 112	**Math and Statistics** Pre-Calculus	3	None	Free Elective
Total			**18**		
Grand Total			**35**		

SECOND YEAR - ECONOMICS

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
3	GEN 102	**Arts and Humanities** Nigerian People and Culture	3	None	GENED
	GEN 103	**Arts and Humanities** History and Philosophy of Science	3	None	GENED
	Math 210	**Math and Statistics** Calculus I	3	None	GENED
	ANT/CIV/ HIS/ICP/PSY/ SOC	**Social & Behavioral Sciences** select one	3	None	GENED
	ACC 201	**Social & Behavioral Sciences** Principle of Financial Accounting	3	Math 110 or higher	Non-ECO Elective
	ANT/CIV/ HIS/ICP/PSY/ SOC	**Social & Behavioral Sciences** select one	3	None	GENED
Total			**18**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
4	ECO 210	Principle of Microeconomics	3	ECO 101, MAT 110 or Higher	CORE
	ECO 220	Principle of Macroeconomics	3	ECO 101, MAT 110 or Higher	CORE
	ECO 230	Introductory Mathematics for Economics	3	MAT 112 or Higher	CORE
	CDV 2xx	**Community Service** Select one	3	Refer to course description	GENED
	FIN 201	**Accounting** Business Finance	3	None	Non-ECO Elective
	ACC 202	**Social & Behavioral Sciences** Principle of Managerial Accounting	3	None	Free Elective
Total			**18**		
Grand Total			**36**		

THIRD YEAR - ECONOMICS

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
5	ECO 310	Intermediate Microeconomics	3	ECO 210, ECO 220, MAT 112	CORE
	ECO 320	Intermediate Macroeconomics	3	ECO 210, ECO 220, MAT 112	CORE
	ECO 330	Introductory Econometrics	3	ECO 210 & ECO 220 & ECO 230	CORE
	ECO xxx	Refer to ECO-Elective – list	3	Refer to course description	ECO-ELECTIVE
	ENT 325	**Entrepreneurship** Social Entrepreneurship	3	ENT 101	GENED
	PHI 300	**Arts & Humanities** Ethics & Leadership	3	3rd yr. standing	GENED
		Total	**18**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
6	ECO 341	Applied Statistics I	3	STA 101, MAT 110 3rd. yr. Standing	CORE
	AUN 300	**Critical Thinking & Problem Solving** Critical Thinking & Problem Solving	3	3rd. yr. standing	GENED
	ECO xxx	Refer to Technical Elective – list	3	Refer to course description	TECHNICAL ELECTIVE
	ECO xxx	Refer to ECO Elective – list	3	Refer to course description	ECO-ELECTIVE
	ECO xxx	Refer to ECO Elective – list	3	Refer to course description	ECO-ELECTIVE
	XXX xxx	Refer to NON-ECO Elective – list	3	Refer to course description	NON-ECO-ELECTIVE
Total			**18**		
Grand Total			**36**		

FOURTH YEAR - ECONOMICS

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
7	ECO 410	Advanced Microeconomics	3	ECO 210, ECO 310 4th yr. standing	CORE
	ECO 420	Advanced Macroeconomics	3	ECO 220, ECO 320 4th yr. standing	CORE
	ECO 442	Applied Statistics II	3	4th yr. standing	CORE
	ECO 490	Senior Research Project I	3	4th yr. standing	CORE

	ECO 470	History of Economic Thought	3	4th yr. standing	CORE
	ECO 452	Economic Planning	3	4th yr. standing	CORE
		Total	**18**		
Semester	**Course Code**	**Course Title**	**Credit Hours**	**Prerequisite**	**Requirement**
8	ECO 491	Senior Research Project II	3	4th yr. standing and ECO 490,	ORE
	ECO 451	Taxation and Fiscal Policy	3	4th yr. standing	CORE
	ECO 453	Production Economics	3	4th yr. standing	CORE
	ECO 454	Project Evaluation	3	4th yr. standing	CORE
	ECO xxx	Refer to Technical Elective – list	3	Refer to course description	TECHNICAL ELECTIVE
Total			**15**		
Grand Total			**33**		

BACHELOR OF ARTS (B.A.) IN ENGLISH LITERATURE AND LANGUAGE

The Bachelor of Arts in English Literature and Language promotes language as a window through which students can view the world and understand human values. Students will develop a sound knowledge of language and culture and an ability to use the English language effectively, which will prepare them for leadership positions in government and the private sector. Students who major in English Literature and Language will:

- master the characteristics and traditions of various genres of literature
- appreciate and understand the way in which literature has developed and how it reflects timeless aspects of the human condition, and yet is rooted in culture and history
- demonstrate an understanding and appreciation of language as a system of communication
- develop a basic understanding of the English language and its linguistic characteristics
- develop a sound knowledge of language and culture and their roles in society
- use language creatively and effectively to analyze and synthesize written material and
- develop an understanding and appreciation of the values and beliefs of cultures across the world.

The program is flexible, thus providing the optimum opportunity for the student to take courses as free electives from a variety of different disciplines and to shape the program of study to suit the student's objectives. The student should consult closely with his/her Chair in selecting courses and in considering a minor.

Graduates from the program will have a variety of possible career paths. Sound knowledge of language and culture and the ability to use the English language effectively is fundamental to most occupations. The Bachelor of Arts in English Literature and Language prepares students for leadership positions and professional success in:

- law
- business
- education
- government
- politics
- diplomacy
- media

Bachelor of Arts in English Literature and Language (ELL) degree program requirement

All students pursuing the BA in English Literature and Language must complete the series of courses (credits) in consultation with the program chair to ensure all requirements have been fulfilled.
As an English Literature and Language major, students are required to successfully complete the following credit hours upon graduation:

English Literature & Languages Requirements			Number of Courses	Graduation Credit Hours
1	GENERAL EDUCATION	General Education Core	17	50
2	MAJOR	Core Courses	12	36
		Free Electives	Based on credits	6
		Advised Electives	5	15
		Concentrations	6	18
		Total	min. 39	125

All English Literature and Language students are required to successfully complete the following credit hour breakdown for each year/semester to meet the minimum four-year program. Students should meet with their advisor/chair for further consultation.

English Literature and Language Credit Hours Breakdown			
Year	Semester	Credit Hours FALL	Credit Hours SPRING
1	1	16	17
	2	16	15
2	3	18	15
	4	15	18
3	5	15	15
	6	15	15
4	7	15	15
	8	15	15
	Total	125	125

Students are required to complete the Core and Free Elective as part of the program.

Requirement	Course Code	Course Title	Credit Hours
CORE (36 credits)	ENG 101	Introduction to the Study of Literature	3
	ENG 104	Semantics and Pragmatics	3
	ENG 201	Introduction to American Literature	3
	ENG 203	Language and Society	3
	ENG 211	Introduction to British Literature	3
	ENG 221	Introduction to African Literature	3
	ENG 301	Introduction to the Study of Language	3
	ENG 302	History of the English Language	3
	ENG 304	English Syntax I	3
	ENG 312	Phonetics and Phonology	3
	ENG 315	Introduction to World Literature in Translation	3
	ENG 490	Senior Research Project	3

Free Electives Requirement (9 credits)

Students are also required to complete Free Electives to fulfill major program requirements. Students are encouraged to take courses outside their major. Students may take any number of courses (1-4 credit hours), and must complete a minimum of 9 credit hours.

Requirement	Course Code	Course Title	Credit Hours
FREE ELECTIVES (min. 9 credits)	XXX xxx	Any course. Visit the program chair for course selection.	1-4
	XXX xxx		1-4
	XXX xxx		1-4

Major Advised Electives (15 credits)

All English Literature and Language student must choose five (5) courses (15 credits) from the following:

Requirement	Course Code	Course Title	Credit Hours
MAJOR ELECTIVE (15 credits)	ENG 102	Introduction to Nigerian Literature	3
	ENG 202	Literature, Popular Culture, and Mass Media	3
	ENG 231	Introduction to World Literature in Translation	3
	ENG 303	Introduction to Psycholinguistics	3
	ENG 307	Advanced Sociolinguistics	3
	ENG 309	Literary Criticism	3
	ENG 310	Modern Drama	3
	ENG 311	Literature in the Diaspora	3
	ENG 314	English Language in Nigeria	3
	ENG 316	Literature and Film	3
	ENG 317	Discourse Analysis	3
	ENG 320	Introduction to Creative Writing Fiction	3
	ENG 330	Language and Politics	3
	ENG 331	Language and the Law	3
	ENG 401	Studies in American Literature	3
	ENG 410	Advanced English Grammar	3
	ENG 411	Studies in British Literature	3
	ENG 412	Studies in British Literature: Shakespeare	3
	ENG 413	Oral Literature	3
	ENG 414	Studies in American Literature: Mark Twain	3
	ENG 416	Language and National Development	3
	ENG 418	Studies in English Poetry and Prose: Nineteenth Century to Present	3
	ENG 421	Studies in African Literature	3

	ENG 425	Phonetics, Phonology & Morphology	3
	ENG 441	Special Topics in English Language	3
	ENG 426	Stylistics	3
	ENG 431	Studies in World Literature in Translation	3
	WRI 300	Writing in the Disciplines	3
	WRI 321	Preparation of Oral and Written Reports	3
	WRI 424	Creative Writing Non-Fiction	3

Students may wish to pursue a minor. See below the list of Minors and the requirements.

Minor in English Language and Literature

Students pursuing a minor in English Language and Literature are exposed to major works of literature, fundamentals of the English language and writing. Students must complete at least 18 credits in ENG and WRI (excluding WRI 101 and 102) and 9 credits must be at 300 level or above. Students must complete the requirements outlined below:

Two (2) introductory literature courses chosen from the list below:
ENG 101 Introduction to the Study of Literature (3)
ENG 201 Introduction to American Literature (3)
ENG 211 Introduction to British Literature (3)
ENG 221 Introduction to African Literature (3)
ENG 231 Introduction to World Literature in Translation (3)
Two (2) courses in the English language or writing chosen from the list below:

ENG 301 Introduction to the Study of Language (3)
ENG 302 History of the English Language (3)
ENG 330 Language and Politics (3)
WRI 300 Writing in the Disciplines (3)
WRI 320 Introduction to Creative Writing (3)
WRI 321 Preparation of Written and Oral Reports (3)
WRI 401 Writing Workshop (3)
WRI 420 Independent Study in Writing (3)

Two (2) additional courses in ENG or WRI (one of which must be 300 level or above) as outlined below:

ENG XXX or WRI XXX (3)
ENG 3XX/4XX or WRI 3XX/4XX (3)

Students are encouraged to visit the program chair for further consultation.

Upon completion of all degree requirements, students will receive a Bachelor of Arts in English Literature and Languages with a concentration in any two of the following:

1) Language
2) Literature

CONCENTRATION AREAS

Language

The language concentration teaches students the various elements of language including syntax, phonetics, semantics, and morphology, as well as the rules and structures of grammar, bearing in mind various schools of thought in language practice. This is an interesting area that can expose students to gain proficiency in the English language and its grammatical rules and structures. Graduates with language concentration can become editors, curriculum designers of English language, instructors of English in various levels, writers of books on grammar and linguistic patterns, among others.

Literature

The literature concentration offers a wide range of academic literary works ranging from poetry, prose, and drama. It examines various literary elements, historical, economic, and social backgrounds of works with a bid to understand the underlying assumptions that these works address. Thus, providing a good grounding to understanding the literary/theoretical framework which develops skills in analyzing a literary work and gaining mastery in rhetorical competence. Therefore, graduates of this program can fit into various careers such as creative writers, publishers of newspapers/magazines, editors, bank secretaries, foreign missions, teachers and professors, television presenters, among others.

Students are required to take a minimum of six (6) courses selected from one of the two areas of concentration (language or literature). At least three of the courses must be at the 300 or 400 levels (in order to be eligible to take a 300-level course or higher, students must have successfully completed at least one (1) ENG course at the 200 level. Students are strongly encouraged to consult with their program chair when selecting concentration courses to confirm that the courses will satisfy major requirements. Students are also required to complete a research project (ENG 490) in either literature or language (3).

Concentration Electives

Language Concentration Electives To concentrate in Language, students must successfully complete a minimum of **three (3) 300 level; or three (3) 400 level** courses.			
Concentration Areas	**Course Code**	**Course Title**	**Credit Hours**
CONCENTRATION ELECTIVES **Choose 6 courses** (total 18 credits required)	ENG 303	Introduction to Psycholinguistics	3
	ENG 307	Advanced Sociolinguistics	3
	ENG 317	Discourse Analysis	3
	ENG 330	Language and Politics	3
	ENG 331	Language & the Law	3
	ENG 416	Language and National Development	3
	ENG 425	Phonetics, Phonology & Morphology	3
	ENG 441	Special Topics in English Language	3
Literature Concentration Electives To concentrate in Literature, students must successfully complete a minimum of **three (3) 300 level; or three (3) 400 level** courses.			
CONCENTRATION ELECTIVES Choose 6 courses (total 18 credits required)	ENG 102	Introduction to Nigerian Literature	3
	ENG 202	Literature, Popular Culture, and Mass Media	3
	ENG 309	Literary Criticism	3
	ENG 310	Modern Drama	3
	ENG 316	Literature and Film	3
	ENG 401	Studies in American Literature	3
	ENG 411	Studies in British Literature	3
	ENG 413	Oral Literature	3
	ENG 441	Special Topics in English Literature	3

SAMPLE 4-YEAR STUDY PLAN FOR A BACHELOR OF ARTS IN ENGLISH LITERATURE AND LANGUAGE

FALL & SPRING ADMISSIONS

This study plan is a guide only.

This study plan incorporates credit bearing courses and omits remedial courses such as MAT 100 & WRI 100. Due to faculty and scheduling changes some courses may not be offered during the semesters indicated. Please check with your faculty and academic advisors along with your program chair each semester to be up to date with changes to the study plan.

FIRST YEAR - ENGLISH LITERATURE AND LANGUAGE

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
First	MAT 100 or ---------- MAT 110 or MAT 112 or MAT 210	**Maths and Statistics** Mathematics	3	Placement test	GENED
	WRI 100 or WRI 101	**Writing** Composition I	3		EXTRA or GENED
	GEN 102 or GEN 103	**Arts & Humanities** select one	3	None	GENED
	AUN 101	**First Year Experience** First Year Experience	1	None	GENED
	CIE 111	**Info. Technology** Introduction to Computers & Computing	3	None	GENED
	BIO, CHE, GEO, NES, PHY	**Natural and Physical Sciences** Select one	3	None	GENED
Total			**16**		

Second	GEN 102 or GEN 103	Arts & Humanities select one	3	None	GENED
	BIO, CHE, GEO, NES, PHY	**Natural and Physical Sciences** select one	4	None	GENED
	STA 101	**Maths & Statistics** Introduction to Statistics	3	MAT 110 or higher (min. C grade)	GENED
	XXX xxx	any course	3	Refer to course description	FREE ELECTIVE #1
	MAT 110	Math & Statistics _____ Pre-calculus	3	MAT 100	GENED
	WRI 101 or WRI 102	**Writing** Composition II	3	WRI 101	GENED
Total			**16**		

SECOND YEAR - ENGLISH LITERATURE AND LANGUAGE

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
Third	CDV 20x	**Community Service** Community Development	3	2nd year standing	GENED
	ENT 101	**Entrepreneurship** Entrepreneurship and Development	3	None	GENED
	ANT/ECO/ HIS/ICP/ PSY/SOC	**Social and Behavioral Science** select one	3	None	GENED
	PHI 300	**Arts & Humanities** Ethics & Leadership	3	min. 3rd yr. standing	GENED

	ENG 101	Introduction to the Study of Literature	3	WRI 101	CORE
	XXX xxx	Refer to ELL Elective list	3	Refer to course description	ADVISED ELECTIVE #1
	WRI 101 or WRI 102	Writing Composition	3	WRI 101	GENED
		Total	18		

Semester	**Course Code**	**Course Title**	**Credit Hours**	**Prerequisite**	**Requirement**
Fourth	ENG 201	Introduction to American Literature	3	WRI 101	CORE
	ENG 203	Language and Society	3	WRI 102	CORE
	ENG 211	Introduction to British Literature	3	WRI 102	CORE
	ANT//ECO/ HIS/ICP/PSY/ SOC	**Social and Behavioral Science** select one	3	None	GENED
	XXX xxx	See advised ELL Elective list	3	Refer to course description	ADVISED ELECTIVE #2
		Total	**15**		

THIRD YEAR - ENGLISH LITERATURE AND LANGUAGE

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
Fifth	WRI 320	Introduction to Creative Writing	3	WRI 102	MAJOR
	ENG 221	Introduction to African Literature	3	WRI 102	CORE
	AUN 300	**Critical Thinking & Problem Solving** Critical Thinking & Problem Solving	3	min. 3rd yr. Standing	GENED
	ENG 2xx	ENG course 200 level and above	3	Refer to course description	CONCENTRATION #1
		Total	**15**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
Sixth	ENG 301	History of English Language	3	WRI 102	CORE
	ENG 302	Introduction to the Study of Language	3	WRI 102	CORE
	XXX xxx	any course	3	Refer to course description	ADVISED ELECTIVE #2
	ENG xxx	ENG course at any level	3	Refer to course description	CONCENTRATION #2
	ENG xxx	ENG course at any level	3	Refer to course description	CONCENTRATION #3
		Total	**15**		

FOURTH YEAR - ENGLISH LITERATURE AND LANGUAGE

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
Seventh	ENG xxx	Any ENG course 300 level and above	3	Refer to course description	CONCENTRATION #4
	ENG 312	Phonetics, Phonology	3	WRI 102	CORE
	ENG xxx	Any ENG course 300 level and above	3	Refer to course description	CONCENTRATION #5
	ENG 315	Introduction to World Literature in Translation	3	WRI 102	CORE
	ENT 325	**Entrepreneurship** Social Entrepreneurship	3	ENT 101	GENED
		Total	**15**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
Eighth	ENG 490	Snr. Research Project	3	One ENG course & WRI 102 & min. 3rd yr. standing	CORE
	ENG 304	English Syntax	3	WRI 102	CORE
	ENG xxx	ENG course 300 level and above	3	Refer to course description	CONCENTRATION #6
	XXX xxx	See Advised Elective	3	Refer to course description	ADVISED ELECTIVE #3
	XXX xxx	Refer to ELL Elective list	3	Refer to course description	ADVISED ELECTIVE #4
		Total	**15**		

BACHELOR OF SCIENCE (B.SC.) IN NATURAL AND ENVIRONMENTAL SCIENCES

The Bachelor of Science program in Natural and Environmental Sciences provides an advanced understanding of the natural environment through interdisciplinary scientific education and research. When majoring in Natural and Environmental Sciences, students will choose one of these six concentration areas:

1. Bioinformatics
2. Biomedical Sciences
3. Biostatistics
4. Conservation Biology
5. Environment and Health
6. Public Health

Concentrations

The following is a description of the six concentrations in Natural Environmental Sciences:

Bioinformatics is an interdisciplinary concentration that combines the knowledge of biology and computer science to analyze and solve biological problems. In an era where massive amounts of biological data are constantly being produced, there is a pressing need to develop computer software that can adequately process and analyze vast quantities of biological data. The bioinformatics concentration trains students to be able to develop software that can be used as tools to analyze and answer biological questions in the areas of medicine and health, agriculture, conservation, and other areas of life sciences.

Biomedical Sciences provides an advanced understanding of biology with a special focus on human biology. This program is designed for students who wish to further their career in the health professions: medical practice, nursing, public health, physical therapy, pharmacy, veterinary medicine, etc. It is also the degree of choice for students wishing to further their education at the graduate level in biotechnology, molecular biology, cell biology, biochemistry, microbiology, public health, and similar health fields.

Biostatistics is a branch of sciences that applies statistical knowledge in interpreting biological data. Biostatistics is an important tool used for biological research in many important areas of the life sciences, for example clinical studies, drug testing, and disease surveillance. Biostatisticians can predict outcomes of hypothetical scenarios by developing statistical models that simulate biological processes and environmental conditions**.**

Conservation Biology focuses on conservation issues that affect wildlife and habitats. The protection and preservation of the natural world has become a growing concern worldwide. It is an especially urgent concern in Africa because of its high rate of human population activities that disturb the environment.

Environment and Health focuses on understanding the biological and physical world, man-made pollutants released by human activities, and the impact of contemporary societal activities on human health. Through the choice of electives, students can personalize their program to emphasize either the sources of pollution and their measurement or the biological processes within the human body affected by health and disease.

Public Health is an interdisciplinary science that is concerned primarily with promoting wellbeing of human health in the larger society. Public health personnel play an important role in safeguarding the wellbeing of a human population by implementing strategies to prevent the occurrence of diseases, responding to disease outbreaks, organizing awareness programs that promote healthy lifestyles, conducting public health research, and developing public health policies. Students who choose this concentration will be exposed to various subfields of Public Health.

All six concentrations provide comprehensive foundations in natural scientific inquiry through courses in biology, chemistry, toxicology, physics, and those directly related to the environment and ecology. All six concentrations prepare students for meaningful employment and for further studies at the graduate level.

The Bioinformatics concentration prepares students for careers in:

- Universities
- Medical Research Institutions
- IT sector
- Biotechnology sector
- Pharmaceutical sector

The Biomedical Sciences concentration provides the foundation for students wishing to continue their studies in medicine and health-related graduate programs. It will prepare students for careers in:

- Universities and research institutions
- Governmental agencies
- Non-governmental organizations, both Nigerian and international
- Hospitals and health clinics
- Hospitals and health clinics

The Biostatistics concentration provides the foundation for students wishing to continue their studies in medicine and health-related graduate programs. It will prepare students for careers in:

- Universities
- Medical Research Institutes
- Public health agencies
- Ministry of Health
- Public Health Non-governmental organizations, both Nigerian and international
- Governmental agencies

The Conservation Biology concentration provides the foundation for students wishing to continue their studies in medicine and health-related graduate programs. It will prepare students for careers in:

- Universities and research institutions
- Governmental agencies
- Non-governmental organizations, both Nigerian and international
- Hospitals and health clinics

The Environment and Health concentration provides the foundation for students wishing to continue their studies in medicine and health-related graduate programs. It will prepare students for careers in:

- Universities and research institutions
- Petrochemical industry
- Environmental consulting and management firms
- National and state government agencies managing health and environmental issues
- Regulatory agencies that monitor industries for pollution
- Waste management
- Municipal waste treatment facilities
- Industries and manufacturing companies
- Non-governmental organizations, both Nigerian and international

The Public Health concentration provides the foundation for students wishing to continue their studies in medicine and health-related graduate programs. It will prepare students for careers in:

- Public Health Non-governmental organizations, both Nigerian and international
- Universities
- Medical Research Institutes
- Public health agencies
- Ministry of Health

Bachelor of Science in Natural and Environmental Sciences Program Requirements

All NES students must complete a series of courses (credits) in consultation with the program chair to ensure all requirements have been fulfilled.

As a NES major, students are required to successfully complete the following credit load upon graduation. Each concentration carries its own credit load:

Natural and Environmental Sciences

Bachelor of Science in Natural and Environmental Sciences Credit Hours Program Requirements						
Concentration Areas	**MAJOR**					**Overall Graduation Requirement**
	GENED	**CORE**	**Free Electives**	**Concentration Core**	**Concentration Electives**	
	Minimum Total Credit Hours					
Bioinformatics	50	36	9	32	-	**127**
Biomedical Sciences	50	36	9	15	14	**124**
Biostatistics	50	36	9	18	10	**123**

Conservation Biology	50	36	9	7	21	**123**
Environment and Health	50	36	9	9	19	**123**
Public Health	50	36	9	19	9	**123**

CORE Requirement

The following 10 core courses (36 credit hours) are required for all Natural and Environment Sciences concentrations.

Requirement	Course Code	Course Title	Credit Hours
CORE (36 credit hours)	BIO 120	Introduction to Biology I	4
	BIO 121	Introduction to Biology II	4
	BIO 210	Communicating in the Sciences	3
	BIO 490 or NES 490	Senior Research Project I	3
	BIO 491 or NES 491	Senior Research Project II	3
	CHE 120	General Chemistry I	4
	CHE 121	General Chemistry II	4
	PHY 131	College Physics I	4
	PHY 132	College Physics II	4
	STA 305	Biostatistics	3

Chemistry Requirement*

All students must enroll in CHE 101. A placement test will be conducted in class to determine a student's chemistry foundation.		
A student may be placed in…		**Credit Hours**
CHE 101 Or	Introduction Chemistry *This course does NOT count towards the overall total graduation credits.* *This course does not satisfy GENED requirements*.	4
CHE 120	General Chemistry I	4

Free Electives

All Natural and Environment Sciences students are required to complete Free Electives to fulfill major program requirements. A minimum of 9 credits are required.

Requirement	Course Code	Course Title	Credit Hours
FREE ELECTIVES (min. 9 credits)	XXX xxx	Students are encouraged to visit the program chair for further consultation.	1-4
	XXX xxx		1-4
	XXX xxx		1-4

Bachelor of Science in NES – Bioinformatics Concentration Program Requirements

The Bachelor of Science in NES (concentration: Bioinformatics) requirements are listed here.

Bioinformatics Concentration Core

The following 10 courses totaling 32 credit hours are compulsory for bioinformatics concentration.

Concentration Requirement

Requirement	Course Code	Course Title	Credit Hours
CONCENTRATION CORE (32 credits)	BIO 230	Molecular Genetics	4
	BIO 390	Introduction to Bioinformatics	3
	CHE 350	Biochemistry	3
	CHE 210	Organic Chemistry I	4
	CIE 105	Principles of Programming I	3
	CIE 106	Principles of Programming II	3
	CIE 231	Intro to Databases, Web Technologies & Applications	3
	CSC 202	Data Structures and Algorithms	3
	CSC 213	Discrete Structures	3
	CSC 301	Systems Programming	3

Students who intend to pursue careers in medicine, pharmacy, veterinary science, or related fields are strongly recommended to take the following courses as electives. The new MCAT (from January 2015) pulls heavily from these subjects. Visit the NES program chair for further course selection consultation.

Course Code	Course Title	Credit Hours
CHE 210	Organic Chemistry 1	4
CHE 211	Organic Chemistry 2	4
SOC 101	Introduction to Sociology	3
PSY 101	Introduction to Psychology	3

SAMPLE 4 -YEAR STUDY PLAN FOR THE BACHELOR OF SCIENCE IN NATURAL AND ENVIRONMENTAL SCIENCES - BIOINFORMATICS CONCENTRATION
FALL ADMISSION

NOTE – STUDENTS ARE REQUIRED TO VISIT THE NES PROGRAM CHAIR FOR A COMPREHENSIVE STUDY PLAN

FIRST YEAR - NES BIOINFORMATICS (FALL)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
1	WRI 101	Writing Composition I	3	Placement test	GENED
	MAT 210	Maths and Statistics Calculus I	3	MAT 112 or placement test	GENED
	AUN 101	First Year Experience First Year Experience	1	None	GENED
	BIO 120	Introduction to Biology I	4	None	CORE
	CIE 111	Information Technology Intro. to Computers & Computing	3	None	GENED
		Total	14		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
2	WRI 102	Writing Composition II	3	WRI 101	GENED
	GEN 102 or GEN 103	Arts and Humanities select one	3	None	GENED
	BIO 121	Introduction to Biology II	4	BIO 120	CORE
	CDV 2xx	Community Service Community Development	3	min. 2nd yr. standing	GENED
	CHE 120	General Chemistry I	4	CHE 101 or placement test	CORE
		Total	17		

SECOND YEAR – NES BIOINFORMATICS (FALL)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
3	BIO 210	Communicating in the Sciences	3	WRI 102	CORE
	CIE 105	Principles of Programming I	3	CIE 111	CONCENTRATION CORE
	ENT 101	Entrepreneurship Intro to Entrepreneurship	3	None	GENED
	CHE 121	General Chemistry II	4	CHE 120	CORE
	STA 101	Maths & Statistics Intro. to Statistics	3	MAT 110 or higher	GENED
		Total	16		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
4	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	ANT/CIV/ ECO/HIS/ ICP/PSY/ SOC	Social & Behavioral Science Select one	3	None	GENED

	GEN 102/ GEN 103	Arts & Humanities Select one	3	None	GENED
	CIE 106	Principles of Programming II	3	CIE 105	CONCENTRATION CORE
	CHE 210	Organic Chemistry I	4	CHE 121	CONCENTRATION CORE
Total			16		

THIRD YEAR – NES BIOINFORMATICS (FALL)					
Semester	**Course Code**	**Course Title**	**Credit Hours**	**Prerequisite**	**Requirement**
5	**AUN 300**	**Critical Thinking & Problem Solving** **Critical Thinking & Problem Solving**	**3**	**min. 3rd yr. standing**	**GENED**
	BIO 230	**Molecular Genetics**	**4**	**BIO 121, CHE 120**	**CONCENTRATION CORE**
	ENT 325	**Entrepreneurship** **Social Entrepreneurship**	**3**	**ENT 101**	**GENED**
	CIE 231	**Intro to Databases, Web Technologies & Applications**	**3**	**CIE 106**	**CONCENTRATION CORE**
	PHY 131	**College Physics I**	**4**	**MAT 110 or higher (min. C grade)**	**CORE**
		Total	**17**		
6	**CHE 350**	**Biochemistry**	**3**	**BIO 121, CHE 121**	**CORE**
	ANT/CIV/ ECO/HIS/ ICP/PSY/ SOC	**Social & Behavioral Science** **Select one**	**3**	**None**	**GENED**

	STA 305	**Biostatistics**	**3**	**STA 101, MAT 210**	**CORE**
	PHY 132	**College Physics II**	**4**	**PHY 131**	**CORE**
	XXX xxx	**Visit program chair**	**3**	**Refer to course description**	**FREE ELECTIVE**
	CSC 202	**Data Structures and Algorithms**	**3**	**CIE 106**	**CONCENTRATION CORE**
Total			**19**		

FOURTH YEAR – NES BIOINFORMATICS (FALL)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
7	PHI 300	Arts & Humanities Ethics & Leadership	3	min. 3rd. yr standing	GENED
	CSC 213	Discrete Structures	3	CSC 102 and CIE 105	CONCENTRATION CORE
	BIO/CHE/GEO/ NES/PHY	Natural & Physical Science select one	4	None	GENED
	BIO 490 or NES 490	Senior Research Project I	3	BIO 121, BIO 210, STA 101, 3rd senior standing	CORE
	BIO 390	Introduction to Bioinformatics	3	BIO 230	CONCENTRATION CORE
Total			16		
8	BIO 491 or NES 491	Senior Research Project II	3	BIO 490, STA 305	CORE
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE

	BIO/CHE/GEO/ NES/PHY	Natural & Physical Science select one	3	None	GENED
	CSC 301	Systems Programming	3	MAT 210 and CIE 105	CONCENTRATION CORE
Total			**12**		

SAMPLE 4 -YEAR STUDY PLAN FOR THE BACHELOR OF SCIENCE IN NATURAL AND ENVIRONMENTAL SCIENCES - BIOINFORMATICS CONCENTRATION
SPRING ADMISSION

FIRST YEAR - NES BIOINFORMATICS CONCENTRATION (SPRING)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
1	WRI 101	Writing Composition I	3	Placement test	GENED
	BIO 120	Introduction to Biology I	4	None	CORE
	MAT 210	Maths and Statistics Calculus 1	3	MAT 112/ Placement test	GENED
	AUN 101	First Year Experience First Year Experience	1	None	GENED
	CIE 111	Information Technology Intro. to Computers & Computing	3	None	GENED
Total			14		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
2	WRI 102	Writing Composition II	3	WRI 101	GENED
	GEN 102 or GEN 103	Arts and Humanities select one	3	None	GENED
	CDV 2xx	Community Service Community Development	3	min. 2nd yr. standing	GENED
	CHE 120	General Chemistry I	4	CHE 101/ Placement Test	CORE
	BIO 121	Introduction to Biology II	4	BIO 120	CORE
Total			**17**		

SECOND YEAR – NES BIOINFORMATICS CONCENTRATION (SPRING)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
3	STA 101	Maths & Statistics Statistics	3	MAT 110 or higher)	GENED
	ANT/CIV/ECO/HIS/ICP/PSY/ SOC	Social & Behavior Sc. Select one	3	None	GENED
	ENT 101	Entrepreneurship Introduction to Entrepreneurship	3	None	GENED
	CIE 105	Principles of Programming I	3	CIE 111	CONCENTRATION CORE
	CHE 121	General Chemistry II	4	CHE 120	CORE
Total			16		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
4	CIE 106	Principles of Programming II	3	CIE 105	CONCENTRATION CORE
	BIO 210	Communicating in the Sciences	3	WRI 102	CORE
	BIO 230	Molecular Genetics	4	BIO 121, CHE 120	CONCENTRATION CORE
	GEN 102/ GEN 103	Arts & Humanities	3	None	GENED
		Select one			
	ANT/CIV/ECO/HIS/ICP/PSY/SOC	Social Behavioral Sc.	3	None	GENED
		select one			
Total			**16**		

THIRD YEAR – NES BIOINFORMATICS CONCENTRATION (SPRING)					
Semester	**Course Code**	**Course Title**	**Credit Hours**	**Prerequisite**	**Requirement**
5	AUN 300	Critical Thinking & Problem Solving	3	min. 3rd yr. standing	GENED
		Critical Thinking & Problem Solving			
	CHE 210	Organic Chemistry I	4	CHE 121	CONCENTRATION CORE
	ENT 325	Entrepreneurship	3	ENT 101	GENED
		Social Entrepreneurship			
	CIE 231	Intro to Databases, Web Technologies & Applications	3	CIE 106	CONCENTRATION CORE
	PHY 131	College Physics I	4	MAT 110 or higher	CORE
		Total	**17**		
6	STA 305	Biostatistics	3	STA 101, MAT 210	CORE
	BIO 490 or NES 490	Senior. Research Project I in Biomedical Sc.	3	BIO 121, BIO 210, STA 101, 3rd senior standing	CORE
	PHY 132	College Physics II	4	PHY 131	CORE

	BIO 390	Introduction to Bioinformatics	3	BIO 230	CONCENTRATION CORE
	CSC 202	Data Structures and Algorithms	3	CIE 106	CONCENTRATION CORE
Total			**16**		

FOURTH YEAR – NES BIOINFORMATICS CONCENTRATION (SPRING)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
7	CHE 350	Biochemistry	3	BIO 121, CHE 121	CONCENTRATION CORE
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	BIO/CHE/GEO/ NES/PSY	Natural & Physical Science select one	4	None	GENED
	CSC 213	Discrete Structures	3	CSC 102 and CIE 105	CONCENTRATION CORE
	BIO 491/ NES 491	Senior Research Project II	3	BIO 490, STA 305	CORE
Total			**16**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
8	PHI 300	Arts and Humanities Ethics and Leadership	3	min. 3rd yr. standing	GENED

	XXX xxx	visit program chair	3	Refer to course description	FREE ELECTIVE
	BIO/CHE/GEO/ NES/PHY	Natural & Physical Science	3	None	GENED
		Select one			
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	CSC 301	Systems Programming	3	MAT 210 and CIE 105	CONCENTRATION CORE
Total			**15**		

Bachelor of Science in NES - Biomedical Sciences Concentration Program Requirement

The Bachelor of Science in NES (Biomedical) concentration requires a total of minimum 124 graduation credit hours.

Biomedical Sciences Concentration Core

The following four (4) courses totaling 15 credit hours are compulsory for Biomedical Science concentration.

Requirement	Course Code	Course Title	Credit hours
	BIO 205	Animal Form & Function	4
CONCENTRATION CORE (15 credits)	BIO 230	Molecular Genetics	4
	BIO 320	Human Anatomy and Physiology	4
	CHE 350	Biochemistry	3

Biomedical Concentration Electives Requirements

Students must complete 14 credits of concentration courses from group 1 and 2.
Group 1- minimum eleven (11) credits; Group 2 - minimum three (3) credits.
Students must complete at least 14 credits from the following courses.

Requirement	Group	Course Code	Course Title	Credit Hours
CONCENTRATION ELECTIVES (14 credits)	1 (min. 11 credits)	BIO 240	Microbiology and Immunology	4
		BIO 360	Cell and Developmental Biology	4
		BIO 380	Intro. to Biotechnology	3
		BIO 420	Human Genetics	3
		CHE 210	Organic Chemistry I	4
		CHE 211	Organic Chemistry I	4
	2 (min. 3 credits)	BIO 250	Global Health	3
		BIO 350	Introduction to Public Health	3
		BIO 450	Principles of Epidemiology	3

SAMPLE 4 -YEAR STUDY PLAN FOR THE BACHELOR OF SCIENCE IN NATURAL AND ENVIRONMENTAL SCIENCES - BIOMEDICAL SCIENCES CONCENTRATION

FALL ADMISSION

FIRST YEAR - NES BIOMEDICAL SCIENCES CONCENTRATION (FALL)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
1	WRI 101	Writing Composition I	3	Placement test	GENED
	MAT 210	Maths and Statistics Calculus I	3	MAT 112 or placement test	GENED
	AUN 101	First Year Experience First Year Experience	1	None	GENED
	BIO 120	Introduction to Biology I	4	None	CORE
	CIE 111	Information Technology Intro. to Computers & Computing	3	None	GENED
Total			**14**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
2	WRI 102	Writing Composition II	3	WRI 101	GENED
	GEN 102 or GEN 103	Arts and Humanities select one	3	None	GENED
	BIO 121	Introduction to Biology II	4	BIO 120	CORE
	CDV 2xx	Community Service Community Development	3	min. 2nd yr. standing	GENED
	CHE 120	General Chemistry I	4	CHE 101 or placement test	CORE
Total			**17**		

SECOND YEAR – NES BIOMEDICAL SCIENCES CONCENTRATION (FALL)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
3	BIO 210	Communicating in the Sciences	3	WRI 102	CORE
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	ENT 101	Entrepreneurship Intro to Entrepreneurship	3	None	GENED
	CHE 121	General Chemistry II	4	CHE 120	CORE
	STA 101	Maths & Statistics Intro. to Statistics	3	MAT 110 or higher	GENED
Total			**16**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
4	BIO 205	Animal Form & Function	4	BIO 121	CONCENTRATION CORE
	ANT/CIV/ ECO/HIS/ ICP/PSY/ SOC	Social & Behavioral Science Select one	3	None	GENED

	GEN 102/ GEN 103	Arts & Humanities Select one	3	None	GENED
	XXX xxx	Refer to elective list	4	Refer to course description	CONCENTRATION ELECTIVE
	XXX xxx	See Concentration Elective list	3	Refer to course descriptions	CONCENTRATION ELECTIVE
Total			**17**		

THIRD YEAR – NES BIOMEDICAL SCIENCES CONCENTRATION (FALL)					
Semester	**Course Code**	**Course Title**	**Credit Hours**	**Prerequisite**	**Requirement**
5	AUN 300	Critical Thinking & Problem Solving	3	min. 3rd yr. standing	GENED
		Critical Thinking & Problem Solving			
	BIO 230	Molecular Genetics	4	BIO 121, CHE 120	CONCENTRATION CORE
	ENT 325	Entrepreneurship	3	ENT 101	GENED
		Social Entrepreneurship			
	XXX xxx	See Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	PHY 131	College Physics I	4	MAT 110 or higher (min. C grade)	CORE
		Total	**17**		
6	CHE 350	Biochemistry	3	BIO 121, CHE 121	CORE
	ANT/CIV/ ECO/HIS/ ICP/PSY/ SOC	Social & Behavioral Science	3	None	GENED
		Select One			

	STA 305	Biostatistics	3	STA 101, MAT 210	CORE
	PHY 132	College Physics II	4	PHY 131	CORE
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
Total			**16**		

FOURTH YEAR – NES BIOMEDICAL SCIENCES CONCENTRATION (FALL)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
7	PHI 300	Arts & Humanities Ethics & Leadership	3	min. 3rd. yr standing	GENED
	BIO 320	Human Anatomy and Physiology	4	BIO 205, CHE 120	CONCENTRATION CORE
	BIO/CHE/GEO/ NES/PHY	Natural & Physical Science select one	4	None	GENED
	BIO 490 or NES 490	Senior Research Project I	3	BIO 121, BIO 210, STA 101, 3rd senior standing	CORE
Total			14		
8	BIO 491 or NES 491	Senior Research Project II	3	BIO 490, STA 305	CORE
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	BIO/CHE/GEO/ NES/PHY	Natural & Physical Science select one	3	None	GENED

	XXX xxx	Visit program chair	4	Refer to course description	CONCENTRATION ELECTIVE
Total			13		

SAMPLE 4 -YEAR STUDY PLAN FOR THE BACHELOR OF SCIENCE IN NATURAL AND ENVIRONMENTAL SCIENCES - BIOMEDICAL SCIENCES CONCENTRATION
SPRING ADMISSION

FIRST YEAR - NES BIOMEDICAL SCIENCES CONCENTRATION (SPRING)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
1	WRI 101	Writing Composition I	3	Placement test	GENED
	BIO 120	Introduction to Biology I	4	None	CORE
	MAT 210	Maths and Statistics Calculus 1	3	MAT 112/ Placement test	GENED
	AUN 101	First Year Experience First Year Experience	1	None	GENED
	CIE 111	Information Technology Intro. to Computers & Computing	3	None	GENED
Total			14		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
2	WRI 102	Writing Composition II	3	WRI 101	GENED
	GEN 102 or GEN 103	Arts and Humanities select one	3	None	GENED
	CDV 2xx	Community Service Community Development	3	min. 2nd yr. standing	GENED
	CHE 120	General Chemistry I	4	CHE 101/ Placement Test	CORE
	BIO 121	Introduction to Biology II	4	BIO 120	CORE
Total			17		

SECOND YEAR – NES BIOMEDICAL SCIENCES CONCENTRATION (SPRING)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
3	STA 101	Maths & Statistics	3	MAT 110 or higher	GENED
		Statistics			
	ANT/CIV/ECO/HIS/ICP/PSY/ SOC	Social & Behavioral Sciences	3	None	GENED
		Select one			
	ENT 101	Entrepreneurship	3	None	GENED
		Introduction to Entrepreneurship			
	BIO 205	Animal Form & Function	4	BIO 121	CONCENTRATION CORE
	CHE 121	General Chemistry II	4	CHE 120	CORE
Total			**17**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
4	XXX xxx	Refer to elective list	4	Refer to course description	CONCENTRATION ELECTIVE

	BIO 210	Communicating in the Sciences	3	WRI 102	CORE
	BIO 230	Molecular Genetics	4	BIO 121, CHE 120	CONCENTRATION CORE
	GEN 102/ GEN 103	Arts & Humanities	3	None	GENED
		Select one			
	ANT/CIV/ECO/HIS/ICP/PSY/ SOC	Social Behavioral Sciences	3	None	GENED
		select one			
Total			**17**		

THIRD YEAR – NES BIOMEDICAL SCIENCES CONCENTRATION (SPRING)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
5	AUN 300	Critical Thinking & Problem Solving Critical Thinking & Problem Solving	3	min. 3rd yr. standing	GENED
	XXX xxx	Refer to elective list	4	Refer to course description	CONCENTRATION ELECTIVE
	ENT 325	Entrepreneurship Social Entrepreneurship	3	ENT 101	GENED
	XXX xxx	Refer to elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	PHY 131	College Physics I	4	MAT 110 or higher	CORE
		Total	17		
6	STA 305	Biostatistics	3	STA 101, MAT 210	CORE
	BIO 490 or NES 490	Senior. Research Project I in Biomedical Sciences	3	BIO 121, BIO 210, STA 101, 3rd senior standing	CORE
	PHY 132	College Physics II	4	PHY 131	CORE
	BIO 320	Human Anatomy & Physiology	4	BIO 205, CHE 120	CORE
		Total	14		

FOURTH YEAR – NES BIOMEDICAL SCIENCES CONCENTRATION (SPRING)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
7	CHE 350	Biochemistry	3	BIO 121, CHE 121	CONCENTRATION CORE
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	BIO/CHE/GEO/ NES/PSY	Natural & Physical Sciences select one	4	None	GENED
	XXX xxx	Refer to elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	BIO 491/ NES 491	Senior Research Project II	3	BIO 490, STA 305	CORE
Total			**16**		
8	PHI 300	Arts and Humanities Ethics & Leadership	3	min. 3rd yr. standing	GENED
	XXX xxx	visit program chair	3	Refer to course description	FREE ELECTIVE

	BIO/CHE/GEO/ NES/PHY	Natural & Physical Sciences	3	None	GENED
		Select one			
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
Total			**12**		

Bachelor of Science in NES - Biostatistics Concentration Program Requirements

The Bachelor of Science in NES Biostatistics concentration requires a minimum 124 graduation credit hours

Biostatistics Concentration Core Requirements

The following 6 courses and 18 credits are compulsory.

Requirement	Course Code	Course Title	Credit Hours
CONCENTRATION CORE (min. 18 credit)	CIE 105	Principles of Programming I	3
	MAT 211	Calculus II	3
	MAT 310	Calculus III	3
	MAT 312	Linear Algebra	3
	STA 301	Probability and Statistics	3
	STA 310	Operations Research	3

Biostatistics Concentration Electives Requirements

Students are advised to take a minimum of ten (10) credits from each group as listed.

Requirement	GROUP	Course Code	Course Title	Credit Hours
CONCENTRATION ELECTIVE (min. 10 credits)	1 (min. 3 crs.)	BIO 240	Microbiology and Immunology	4
		BIO 420	Human Genetics	3
	2 (min. 7 crs)	Visit the program chair for course selection consultation.		Refer to course description

SAMPLE 4 -YEAR STUDY PLAN FOR THE BACHELOR OF SCIENCE IN NATURAL AND ENVIRONMENTAL SCIENCES BIOSTATISTICS CONCENTRATION
FALL ADMISSIONS

NOTE – STUDENTS ARE REQUIRED TO VISIT THE NES PROGRAM CHAIR FOR A COMPREHENSIVE STUDY PLAN.

FIRST YEAR - NES BIOSTATISTICS CONCENTRATION (FALL)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
1	WRI 101	Writing Composition I	3	Placement test	GENED
	MAT 210	Maths and Statistics Calculus I	3	MAT 112 or placement test	GENED
	AUN 101	First Year Experience First Year Experience	1	None	GENED
	BIO 120	Introduction to Biology I	4	None	CORE
	CIE 111	Information Technology Intro. to Computers & Computing	3	None	GENED
Total			**14**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
2	WRI 102	Writing Composition II	3	WRI 101	GENED
	GEN 102 or GEN 103	Arts and Humanities select one	3	None	GENED
	BIO 121	Introduction to Biology II	4	BIO 120	CORE
	CDV 2xx	Community Service Community Development	3	min. 2nd yr. standing	GENED
	CHE 120	General Chemistry I	4	CHE 101 or placement test	CORE
Total			**17**		

SECOND YEAR – NES BIOSTATISTICS CONCENTRATION (FALL)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
3	BIO 210	Communicating in the Sciences	3	WRI 102	CORE
	CIE 105	Principles of Programming I	3	CIE 111	CONCENTRATION CORE
	ENT 101	Entrepreneurship Intro to Entrepreneurship	3	None	GENED
	CHE 121	General Chemistry II	4	CHE 120	CORE
	STA 101	Maths & Statistics Intro. to Statistics	3	MAT 110 or higher	GENED
Total			**16**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
4	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	ANT/CIV/ ECO/HIS/ ICP/PSY/ SOC	Social & Behavioral Sciences Select one	3	None	GENED

	GEN 102/ GEN 103	Arts & Humanities Select one	3	None	GENED
	MAT 211	Calculus II	3	MAT 210	CONCENTRATION CORE
	XXX xxx	Refer to elective list	4	Refer to course description	CONCENTRATION ELECTIVE
Total			**16**		

THIRD YEAR – NES BIOSTATISTICS CONCENTRATION (FALL)					
Semester	**Course Code**	**Course Title**	**Credit Hours**	**Prerequisite**	**Requirement**
5	AUN 300	Critical Thinking & Problem Solving	3	min. 3rd yr. standing	GENED
		Critical Thinking & Problem Solving			
	XXX xxx	Refer to elective list	4	Refer to course description	CONCENTRATION ELECTIVE
	ENT 325	Entrepreneurship	3	ENT 101	GENED
		Social Entrepreneurship			
	MAT 310	Calculus III	3	MAT 211	CONCENTRATION CORE
	PHY 131	College Physics I	4	MAT 110 or higher (min. C grade)	CORE
		Total	17		
	ANT/CIV/ ECO/HIS/ ICP/PSY/ SOC	Social & Behavioral Sciences	3	None	GENED
	STA 305	Biostatistics	3	STA 101, MAT 210	CORE
	PHY 132	College Physics II	4	PHY 131	CORE

	XXX xxx	**Visit program chair**	**3**	**Refer to course description**	**FREE ELECTIVE**
	STA 301	**Probability and Statistics**	**3**	**STA 101, MAT 210**	**CONCENTRATION CORE**
Total			**16**		

FOURTH YEAR – NES BIOSTATISTICS CONCENTRATION (FALL)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
7	PHI 300	Arts & Humanities Ethics & Leadership	3	min. 3rd. yr standing	GENED
	STA 310	Operations Research	3	STA 301, MAT 210	CONCENTRATION CORE
	BIO/CHE/GEO/ NES/PHY	Natural & Physical Sciences select one	4	None	GENED
	BIO 490 or NES 490	Senior Research Project I	3	BIO 121, BIO 210, STA 101, 3rd senior standing	CORE
	BIO 390	Introduction to Bioinformatics	3	BIO 230	CONCENTRATION CORE
Total			**16**		
8	BIO 491 or NES 491	Senior Research Project II	3	BIO 490, STA 305	CORE
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE

	BIO/CHE/GEO/ NES/PHY	Natural & Physical Sciences	3	None	GENED
		select one			
	XXX xxx	Refer to elective list	3	Refer to course description	CONCENTRATION ELECTIVE
Total			**12**		

SAMPLE 4 -YEAR STUDY PLAN FOR THE BACHELOR OF SCIENCE IN NATURAL AND ENVIRONMENTAL SCIENCES - BIOSTATISTICS CONCENTRATION
SPRING ADMISSION

FIRST YEAR - NES BIOSTATISTICS CONCENTRATION (SPRING)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
1	WRI 101	Writing Composition I	3	Placement test	GENED
	BIO 120	Introduction to Biology I	4	None	CORE
	MAT 210	Maths and Statistics Calculus 1	3	MAT 112/ Placement test	GENED
	AUN 101	First Year Experience First Year Experience	1	None	GENED
	CIE 111	Information Technology Intro. to Computers & Computing	3	None	GENED
Total			**14**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
2	WRI 102	Writing Composition II	3	WRI 101	GENED
	GEN 102 or GEN 103	Arts and Humanities select one	3	None	GENED
	CDV 2xx	Community Service Community Development	3	min. 2nd yr. standing	GENED
	CHE 120	General Chemistry I	4	CHE 101/ Placement Test	CORE
	BIO 121	Introduction to Biology II	4	BIO 120	CORE
Total			**17**		

SECOND YEAR – NES BIOSTATISTICS CONCENTRATION (SPRING)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
3	STA 101	Maths & Statistics Statistics	3	MAT 110 or higher	GENED
	ANT/CIV/ECO/HIS/ICP/PSY/ SOC	Social & Behavioral Sciences Select one	3	None	GENED
	ENT 101	Entrepreneurship Introduction to Entrepreneurship	3	None	GENED
	CIE 105	Principles of Programming I	3	CIE 111	CONCENTRATION CORE
	CHE 121	General Chemistry II	4	CHE 120	CORE
Total			**16**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
4	MAT 211	Calculus II	3	MAT 210	CONCENTRATION CORE

	BIO 210	Communicating in the Sciences	3	WRI 102	CORE
	XXX xxx	Refer to elective list	4	Refer to course description	CONCENTRATION ELECTIVE
	GEN 102/ GEN 103	Arts & Humanities	3	None	GENED
		Select one			
	ANT/CIV/ECO/HIS/ICP/PSY/ SOC	Social Behavioral Sciences	3	None	GENED
		select one			
Total			**16**		

THIRD YEAR – NES BIOSTATISTICS CONCENTRATION (SPRING)					
Semester	**Course Code**	**Course Title**	**Credit Hours**	**Prerequisite**	**Requirement**
5	AUN 300	Critical Thinking & Problem Solving Critical Thinking & Problem Solving	3	min. 3rd yr. standing	GENED
	XXX xxx	Refer to elective list	4	Refer to course description	CONCENTRATION ELECTIVE
	ENT 325	Entrepreneurship Social Entrepreneurship	3	ENT 101	GENED
	MAT 310	Calculus III	3	MAT 211	CONCENTRATION CORE
	PHY 131	College Physics I	4	MAT 110 or higher	CORE
		Total	17		
6	STA 305	Biostatistics	3	STA 101, MAT 210	CORE
	BIO 490 or NES 490	Senior. Research Project I in Biomedical Sciences	3	BIO 121, BIO 210, STA 101, 3rd senior standing	CORE
	PHY 132	College Physics II	4	PHY 131	CORE

	XXX xxx	**Refer to elective list**	**3**	**Refer to course description**	**CONCENTRATION ELECTIVE**
	MAT 312	**Linear Algebra**	**3**	**MAT 211**	**CONCENTRATION CORE**
Total			**16**		

FOURTH YEAR – NES BIOSTATISTICS CONCENTRATION (SPRING)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
7	STA 301	Probability and Statistics	3	STA 101, MAT 210	CONCENTRATION CORE
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	BIO/CHE/GEO/ NES/PSY	Natural & Physical Sciences select one	4	None	GENED
	BIO 491/ NES 491	Senior Research Project II	3	BIO 490, STA 305	CORE
Total			**13**		
8	PHI 300	Arts and Humanities Ethics and Leadership	3	min. 3rd yr. standing	GENED
	XXX xxx	visit program chair	3	Refer to course description	FREE ELECTIVE
	BIO/CHE/GEO/	Natural & Physical Science	3	None	GENED

	NES/PHY	Select one			
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	STA 310	Operations Research	3	STA 301, MAT 210	CONCENTRATION CORE
Total			**15**		

Bachelor of Science in NES - Conservation Biology Concentration Program Requirements
The Bachelor of Science in NES (Conservation Biology) requires a total of 124 graduation credit hours to fulfill the program requirement.

Conservation Biology Concentration Core Requirements
The following two courses are required for a total of 7credit hours:

Requirement	Course Code	Course Title	Credit Hours
CONCENTRATION CORE (7 credits)	**BIO 230**	**Molecular Genetics**	**4**
	NES 201	**Introduction to Natural and Environmental Sciences**	**3**

Conservation Biology Concentration Elective Requirements

Students must complete a minimum total of 21 credits of courses from either Group 1-4. Students are encouraged to visit the NES program chair for course selection consultation.

Requirement	Group	Course Code	Course Title	Credit Hours
CONCENTRATION ELECTIVE (21 credits)	1 (min. 7 crs.)	NES 202	Principles of Ecology	4
		NES 310	Behavioral Ecology	3
		NES 401	Community Ecology and Population Biology	3
		NES 406	Plant Community Ecology	3
		BIO 205	Animal Form and Function	4
		BIO 206	Applied Botany	4
		BIO 220	Animal Behavior	3
	2 (min. 6 crs)	NES 300	Environmental Policy and Risk Management	3
		NES 320	Special Topics in NES	3
		NES 342	Environmental Toxicology	3
		NES 344	Environmental Risk Assessment	3
		NES 420	Environmental and Occupational Health	3
		NES 430	Environmental Chemistry (cross listed with CHE 322)	3

		NES 440	Environmental Impact Assessment	3
		GEO 312	Soil Science and Environmental Change	4
	3 (min. 3 crs.)	BIO 250	Global Health	3
		BIO 350	Introduction to Public Health	3
		ICP 434	Global Environmental Politics	3
		ECO 405	Environmental & Natural Resource Economics	3
		ECO 341	Environmental Economics	3
	4 (min. 5 crs.)	See program chair for course selection consultation	Refer to course description	

SAMPLE 4 -YEAR STUDY PLAN FOR THE BACHELOR OF SCIENCE IN NATURAL AND ENVIRONMENTAL SCIENCES - CONSERVATION BIOLOGY CONCENTRATION
FALL ADMISSION

FIRST YEAR - NES CONSERVATION BIOLOGY CONCENTRATION (FALL)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
1	WRI 101	Writing Composition I	3	Placement test	GENED
	MAT 210	Maths and Statistics Mathematics	3		GENED
	AUN 101	First Year Experience First Year Experience	1	None	GENED
	BIO 120	Introduction to Biology I	4	None	CORE
	ANT/CIV/ECO/ HIS/ICP/PSY/SOC	Social & Behavioral Sciences Select one	3	None	GENED
	CIE 111	Information Technology Intro. to Computers & Computing	3	None	GENED
Total			**17**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
2	WRI 102	Writing Composition II	3	WRI 101	GENED
	BIO 121	Intro. to Biology II	4	BIO 120	CORE
	BIO/CHE/GEO/ NES/PHY	Natural & Physical Sciences select one	4	None	GENED
	CHE 120	General Chemistry I	4	CHE 101 or placement exam	CORE
Total			**15**		

SECOND YEAR – NES CONVERSATION BIOLOGY CONCENTRATION (FALL)

Semester	Course	Course Title	Credit Hours	Prerequisite	Requirement
3	CDV 2xx	Community Service I Community Development	3	None	GENED
	NES 201	Intro. to Natural and Environmental Sciences	3	None	CONCENTRATION CORE
	BIO 210	Communicating in the Sciences	3	WRI 102	CORE
	GEN 102/GEN 103	Arts & Humanities Select one	3	None	GENED
	CHE 121	General Chemistry II	4	CHE 120	CORE
Total			**16**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
4	STA 101	Maths & Statistics Intro. to Statistics	3	MAT 110 or higher	GENED
	ENT 101	Business & Entrepreneurship	3	None	GENED

		Introduction to Entrepreneurship			
	XXX xxx	Refer to Concentration Elective list	4	Refer to course description	CONCENTRATION ELECTIVE
	XXX xxx	Refer to Concentration Elective list	4	None	CONCENTRATION ELECTIVE
Total			**14**		

THIRD YEAR – NES CONVERSATION BIOLOGY CONCENTRATION (FALL)

Semester	Course	Course Title	Credit Hours	Prerequisite	Requirement
5	XXX xxx	Refer to Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	AUN 300	Critical thinking & Problem Solving	3	min. 3rd yr. standing	GENED
		Critical Thinking & Problem Solving			
	ENT 325	Entrepreneurship	3	ENT 101	GENED
		Social Entrepreneurship			
	PHY 131	College Physics I	4	MAT 110 or higher	CORE

	BIO 230	Molecular Genetics	4	BIO 121, CHE 120	CONCENTRATION CORE
Total			**17**		
6	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	PHY 132	College Physics II	4	PHY 131	CORE
	XXX xxx	Refer to Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	XXX xxx	Refer to Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	STA 305	Biostatistics	3	STA 101, MAT 210	CORE
Total			**16**		

FOURTH YEAR – NES CONVERSATION BIOLOGY CONCENTRATION (FALL)

Semester	Course	Course Title	Credit Hours	Prerequisite	Requirement
7	PHI 300	Arts & Humanities	3	None	GENED
		Ethics & Leadership			
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	XXX xxx	Refer to Concentration Elective list	4	Refer to course description	CONCENTRATION ELECTIVE
	NES 490 or BIO 490	Senior Research Project I	3	BIO 121, BIO 210, STA 101, min. 4th yr. standing	CORE
Total			**13**		
8	NES 491 or BIO 491	Senior Research Project II	3	NES 490 or BIO 490 and STA 305	CORE
	XXX xxx	Refer to Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	ANT/CIV/ECO/ HIS/ ICP/PSY/	Social & Behavioral Sciences	3	None	GENED

	SOC	Select one			
	XXX xxx	Visit your program chair	3	Refer to course description	FREE ELECTIVE
	BIO/CHE/GEO/ NES/PHY	Natural & Physical Sc.	3	None	GENED
Total			**15**		

SAMPLE 4 -YEAR STUDY PLAN FOR THE BACHELOR OF SCIENCE IN NATURAL AND ENVIRONMENTAL SCIENCES - CONSERVATION BIOLOGY CONCENTRATION

SPRING ADMISSION

FIRST YEAR - NES CONSERVATION BIOLOGY CONCENTRATION (SPRING)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
1	WRI 101	Writing Composition I	3	Placement test	GENED
	MAT 210	Maths and Statistics Calculus I	3	MAT 112/ Placement test	GENED
	AUN 101	First Year Experience First Year Experience	1	None	GENED
	BIO 120	Introduction to Biology I	4	None	CORE
	ANT/CIV/ECO/ HIS/ICP/PSY/SOC	Social & Behavioral Sciences Select one			
	CIE 111	Information Technology Introduction to Computers & Computing	3	None	GENED
Total			**17**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
2	WRI 102	Writing Composition II	3	WRI 101	GENED
	BIO 121	Intro. to Biology II	4	BIO 120	CORE
	BIO/CHE/GEO/ NES/PHY	Natural & Physical Sc. select one	4	None	GENED
	CHE 120	General Chemistry I	4	CHE 101 or placement exam	CORE
Total			**15**		

SECOND YEAR – NES CONSERVATION BIOLOGY CONCENTRATION (SPRING)

Semester	Course	Course Title	Credit Hours	Prerequisite	Requirement
3	CDV 2xx	Community Service I Community Development	3	min. 2 yr. standing	GENED
	STA 101	Maths & Statistics Introduction to Statistics	3	MAT 110 or higher	GENED
	GEN 102/ GEN 103	Arts & Humanities select one	3	None	GENED
	XXX xxx	Refer to Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	CHE 121	General Chemistry II	4	CHE 120	CORE
Total			**16**		
Semester	**Course Code**	**Course Title**	**Credit Hours**	**Prerequisite**	**Requirement**
4	ENT 101	Business & Entrepreneurship	3	None	GENED

		Intro. to Entrepreneurship			
	BIO 210	Communicating in the Sciences	3	WRI 102	CORE
	XXX xxx	Refer to Concentration Elective list	4	Refer to course description	CONCENTRATION ELECTIVE
	NES 201	Introduction to Natural and Environmental Sciences	3	None	CONCENTRATION CORE
	BIO 230	Molecular Genetics	4	BIO 121, CHE 120	CONCENTRATION CORE
Total			**17**		

THIRD YEAR – NES CONSERVATION BIOLOGY CONCENTRATION (SPRING)

Semester	Course	Course Title	Credit Hours	Prerequisite	Requirement
5	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	AUN 300	Critical thinking & Problem Solving	3	min. 3rd yr. standing	GENED
		Critical Thinking & Problem Solving			
	STA 305	Biostatistics	3	STA 101 and MAT 210	CORE

	PHY 131	College Physics I	4	MAT 110 or higher	CORE
	GEN 102/ GEN 103	Arts & Humanities Select one	3	None	GENED
Total			**16**		
6	BIO 490/ NES 490	Senior Research Project I	3	BIO 121, BIO 210, STA 101, 3rd yr. standing	CORE
	PHY 132	College Physics II	4	PHY 131	CORE
	GEN 102 or GEN 103	Arts and Humanities Select one.	3	None	GENED
	XXX xxx	Refer to the concentration elective list.	3	Refer to course description	CONCENTRATION ELECTIVE
	ENT 325	Business & Entrepreneurship Social Entrepreneurship	3	ENT 101	GENED
Total			**16**		

FOURTH YEAR – NES CONSERVATION BIOLOGY CONCENTRATION (SPRING)

Semester	Course	Course Title	Credit Hours	Prerequisite	Requirement
7	ANT/CIV/ECO/ HIS/ ICP/PSY/SOC	Social & Behavioral Sciences Select one	3	None	GENED
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	XXX xxx	Refer to Concentration Elective list	4	Refer to course description	CONCENTRATION ELECTIVE
	NES 491 or BIO 491	Senior Research Project II	3	NES 490, STA 305	CORE
Total			**14**		
8	XXX xxx	Refer to Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	PHI 300	Arts & Humanities Ethics & Leadership	3	min. 3rd. yr. standing	GENED
	XXX xxx	Visit your program chair	3	Refer to course description	FREE ELECTIVE
	BIO/CHE/GEO/ NES/PHY	Natural & Physical Sc.	3	None	GENED
Total			**12**		

Environment and Health Concentration Program Requirements

The Bachelor of Science in NES (Environment and Health) requires a total of 123 graduation credit hours to fulfill degree requirements.

Environment and Health Concentration Core Requirements

A student must complete the following 3 courses (9 credit) of concentration core courses.

Requirement	Course Code	Course Title	Credit Hours
CONCENTRATION CORE (9 credits)	NES 201	Introduction to Natural and Environmental Sci.	3
	NES 342	Environmental Toxicology	3
	BIO 450	Principles of Epidemiology	3

Environment and Health Concentration Elective Requirements

Students are required to complete the following 19 credits from each group: Group 1-minimum three (3) credits; Group 2 - minimum nine (9) credits; Group 3 – minimum eight (7) credits.

Requirement	Group	Course Code	Course Title	Credit Hours
CONCENTRATION ELECTIVE (19 credits required)	1 (min. 3 credits)	BIO 240	Microbiology and Immunology	4
		BIO 250	Global Health	3
		BIO 350	Introduction to Public Health	3
	2 (min. 9 credits)	NES 300	Environmental Policy and Risk Management	3
		NES 340	Pollution: Sources and Effects	3
		NES 344	Environmental Risk Assessment	3
		NES 420	Environmental and Occupational Health	3
		NES 430 or CHE 322	Environmental Chemistry cross listed – Environmental Chemistry	3
		NES 440	Environmental Impact Assessment	3

		GEO 312	Soil Science and Environmental Change	4
		CHE 210	Organic Chemistry I	4
		CHE 211	Organic Chemistry II	4
		CHE 350	Biochemistry	3
	3 (min. 7 credits)	See program chair for course selection consultation	Refer to catalog description	

SAMPLE 4- YEAR STUDY PLAN FOR THE BACHELOR OF SCIENCE IN NATURAL AND ENVIRONMENTAL SCIENCES - ENVIRONMENT AND HEALTH CONCENTRATION
FALL ADMISSION

FIRST YEAR - NES ENVIRONMENT AND HEALTH CONCENTRATION (FALL)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
1	WRI 101	Writing Composition I	3	Placement test	GENED
	MAT 210	Maths and Statistics Mathematics	3	MAT 112/ Placement Test	GENED
	AUN 101	First Year Experience First Year Experience	1	None	GENED
	BIO 120	Introduction to Biology I	4	None	CORE
	ANT/CIV/ECO/ HIS/ICP/PSY/SOC	Social & Behavioral Science select one	3	None	GENED
	CIE 111	Information Technology Introduction to Computers & Computing	3	None	GENED

Total			**17**		
2	WRI 102	Writing Composition II	3	WRI 101	GENED
	GEN 102 or GEN 103	Arts and Humanities select one	3	None	GENED
	CHE 120	General Chemistry I	4	CHE 101 or placement test	CORE
	BIO 121	Introduction to Biology II	4	BIO 120	CORE
		Total	**14**		

SECOND YEAR – NES ENVIRONMENT AND HEALTH CONCENTRATION (FALL)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
3	BIO 210	Communicating in the Sciences	3	WRI 102	CORE
	CDV 2XX	Community Service Community Development	3	min. 2nd yr. standing	GENED
	STA 101	Maths & Statistics Intro. to Statistics	3	MAT 110 or higher	GENED
	NES 201	Intro. to Natural and Environmental Sciences	3	None	CONCENTRATION CORE
	CHE 121	General Chemistry II	4	CHE 120	CORE
		Total	16		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
4	GEN103/ GEN 102	Arts & Humanities Select one	3	None	GENED
	ENT 101	Business & Entrepreneurship Introduction to Entrepreneurship	3	None	GENED
	XXX xxx	Refer to the elective list.	3	Refer to course description	CONCENTRATION ELECTIVE

	PHY 131	College Physics I	4	MAT 110 or higher	CORE
	ANT/CIV/ECO/HIS/ICP/ PSY/SOC	Social & Behavioral Sciences	3	None	GENED
		Select one			
Total			16		

THIRD YEAR - NES ENVIRONMENT AND HEALTH CONCENTRATION (FALL)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
5	XXX xxx	Refer to Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	ENT 325	Business Entrepreneurship	3	ENT 101	GENED
		Social Entrepreneurship			
	NES 342	Environmental Toxicology	3	BIO 121, CHE 121, NES 201	CONCENTRATION CORE
	AUN 300	Critical Thinking & Problem Solving	3	Refer to course description	GENED
		Critical Thinking & Problem Solving			
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
		Total	15		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirements
6	PHI 300	Arts & Humanities	3	min. 3rd yr. standing	GENED
		Ethics & Leadership			

	XXX xxx	Refer to Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	PHY 132	College Physics II	4	PHY 131	CORE
	XXX xxx	Refer to Concentration Elective list	4	Refer to course description	CONCENTRATION ELECTIVE
	STA 305	Biostatistics	3	STA 101, MAT 210	CORE
Total			17		

FOURTH YEAR - ENVIRONMENT AND HEALTH CONCENTRATION (FALL)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirements
7	XXX xxx	Visit program chair	3	Refer to course description	CONCENTRATION ELECTIVE
	BIO 450	Principles of Epidemiology	3	BIO 250, STA 305	CONCENTRATION CORE
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	BIO/CHE/ GEO/ NES/PHY	Natural & Physical Sciences	4		GENED

		Select one		Refer to course description	
	NES 490 or BIO 490	Senior Research Project I in NES	3	BIO 121, BIO 210, STA 101, 3rd yr. standing	CORE
		Total	16		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirements
8	NES 491 or BIO 491	Senior Research Project II	3	NES 490 or BIO 490, STA 305	CORE
	BIO/CHE/ GEO/NES/ PHY	Natural & Physical Science	3	Refer to course description	GENED
		Select one			
	XXX xxx	Refer to Concentration Elective list	3		CONCENTRATION ELECTIVE
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
		Total	12		

SAMPLE 4- YEAR STUDY PLAN FOR THE BACHELOR OF SCIENCE IN NATURAL AND ENVIRONMENTAL SCIENCES - ENVIRONMENT AND HEALTH CONCENTRATION
SPRING ADMISSION

FIRST YEAR - NES ENVIRONMENT AND HEALTH CONCENTRATION (SPRING)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
1	WRI 101	Writing	3	Placement test	GENED
		Composition I			
	MAT 110 or MAT 112 or MAT 210	Maths and Statistics	3		GENED
		Mathematics			
	AUN 101	First Year Experience	1	None	GENED
		First Year Experience			
	BIO 120	Introduction to Biology I	4	None	CORE
	ANT/CIV/ECO/ HIS/ICP/ PSY/SOC	Social & Behavioral Sciences	3	None	GENED
		Select one			
	CIE 111	Information Technology	3	None	GENED
		Introduction to Computers & Computing			
Total			**17**		

2	WRI 102	Writing Composition II	3	WRI 101	GENED
	GEN 102 or GEN 103	Arts and Humanities select one	3	None	GENED
	CHE 120	General Chemistry I	4	CHE 101 or placement test	CORE
	BIO 121	Introduction to Biology II	4	BIO 120	CORE
		Total	**14**		

SECOND YEAR – NES ENVIRONMENT AND HEALTH CONCENTRATION (SPRING)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
3	ENT 101	Business & Entrepreneurship Introduction to Entrepreneurship	3	None	GENED
	CDV 2XX	Community Service Community Development	3	min. 2nd yr. standing	GENED
	STA 101	Maths & Statistics Intro. to Statistics	3	MAT 110 or higher	GENED
	GEN103/ GEN 102	Arts & Humanities Select one	3	None	GENED
	CHE 121	General Chemistry II	4	CHE 120	CORE

Total			**16**		
Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
4	XXX xxx	Refer to Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	NES 201	Introduction Natural & Environmental Sciences	3	None	CONCENTRATION CORE
	XXX xxx	Refer to Concentration Elective list	4	None	CONCENTRATION ELECTIVE
	BIO 210	Communicating in the Sciences	3	WRI 102	CORE
	PHY 131	College Physics I	4	MAT 110 or higher	CORE
Total			**17**		

THIRD YEAR - NES ENVIRONMENT AND HEALTH CONCENTRATION (SPRING)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
5	AUN 300	Critical Thinking & Problem Solving	3	min 3rd. yr. standing	GENED
		Critical Thinking & Problem Solving			
	XXX xxx	Refer to Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	XXX xxx	Refer to Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	ENT 325	Business Entrepreneurship	3	ENT 101	GENED
		Social Entrepreneurship			
	ANT/CIV/ECO/HIS/ICP/PSY/ SOC	Social & Behavioral Sc.	3	None	GENED
		Select one			
Total			**15**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirements
	STA 305	Biostatistics	3	STA 101, MAT 210	CORE
	NES 490 or BIO 490	Senior Research Project I in NES	3	BIO 121, BIO 210, STA 101, 3rd yr. standing	CORE
	PHY 132	College Physics II	4	PHY 131	CORE
	XXX xxx	Refer to Concentration Elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	BIO/CHE/ GEO/NES/ PHY	Natural & Physical Science Select one	3	None	GENED
		Total	**16**		

FOURTH YEAR - NES ENVIRONMENT AND HEALTH CONCENTRATION (SPRING)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirements
	NES 491 or BIO 491	Senior Research Project II	3	NES 490 or BIO 490, STA 305	CORE
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	BIO/CHE/ GEO/ NES/PHY	Natural & Physical Science Select one	4	Refer to course description	GENED
	PHI 300	Arts & Humanities Ethics & Leadership	3	min. 3rd yr. standing	GENED
		Total	16		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirements

8	**XXX xxx**	**Visit program chair**	**3**	**Refer to course description**	**CONCENTRATION ELECTIVE**
	NES 342	**Environmental Toxicology**	**3**	**BIO 121, CHE 121, NES 201**	**CONCENTRATION CORE**
	BIO 450	**Principles of Epidemiology**	**3**	**BIO 250, STA 305**	**CONCENTRATION CORE**
	XXX xxx	**Visit program chair**	**3**	**Refer to course description**	**FREE ELECTIVE**
		Total	**12**		

Bachelor of Science in NES – Public Health Concentration Program Requirement
The Bachelor of Science in NES (concentration: Public Health) requires a total of 123 graduation credit hours to fulfill degree requirements.

Public Health Concentration Requirement
Students are required to complete six (6) courses (19) credit hours from the list to fulfill graduation requirements.

Requirement	Course Code	Course Title	Credit Hours
CONCENTRATION CORE (19 credits)	BIO 240	Microbiology and Immunology	4
	BIO 250	Global Health	3
	BIO 350	Introduction to Public Health	3
	BIO 450	Introduction to Epidemiology	3
	LAW 313	Medical Law and Ethics I	3
	STA 301	Probability and Statistics	3

Students who intend to pursue careers in medicine, pharmacy, veterinary science, or related fields are strongly recommended to take the following courses as concentration electives. The new MCAT (from January 2015) pulls heavily from these subjects.

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	Course Code	Course Title	Credit Hours
	CHE 210	Organic Chemistry 1	4
	CHE 211	Organic Chemistry 2	4
	SOC 101	Introduction to Sociology	3
	PSY 101	Introduction to Psychology	3

Public Health Concentration Elective Requirement
Students are required to complete a minimum of nine (9) credit hours from the list to fulfill graduation requirements.

Requirement	Course Title	Credit Hours
CONCENTRATION ELECTIVES (min. 9 credits)	Visit the program chair for course selection consultation.	Refer to catalog description

SAMPLE 4 -YEAR STUDY PLAN – FOR THE BACHELOR OF SCIENCE IN NATURAL AND ENVIRONMENTAL SCIENCES - PUBLIC HEALTH CONCENTRATION
FALL & SPRING ADMISSIONS

FIRST YEAR - NES PUBLIC HEALTH CONCENTRATION (FALL)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
1	WRI 101	Writing	3	Placement test	GENED
		Composition I			
	MAT 210	Maths and Statistics	3	MAT 112 or placement test	GENED
		Calculus I			
	AUN 101	First Year Experience	1	None	GENED
		First Year Experience			
	BIO 120	Introduction to Biology I	4	None	CORE
	CIE 111	Information Technology	3	None	GENED
		Intro. to Computers & Computing			
Total			**14**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
2	WRI 102	Writing Composition II	3	WRI 101	GENED
	GEN 102 or GEN 103	Arts and Humanities select one	3	None	GENED
	BIO 121	Introduction to Biology II	4	BIO 120	CORE
	CDV 2xx	Community Service Community Development	3	min. 2nd yr. standing	GENED
	CHE 120	General Chemistry I	4	CHE 101 or placement test	CORE
Total			**17**		

SECOND YEAR – NES PUBLIC HEALTH CONCENTRATION (FALL)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
3	BIO 210	Communicating in the Sciences	3	WRI 102	CORE
	BIO 250	Global Health	3	BIO 121	CONCENTRATION CORE
	ENT 101	Entrepreneurship Intro to Entrepreneurship	3	None	GENED
	CHE 121	General Chemistry II	4	CHE 120	CORE
	STA 101	Maths & Statistics Introduction to Statistics	3	MAT 110 or higher	GENED
Total			**16**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
4	BIO 240	Microbiology and Immunology	4	BIO 121	CONCENTRATION CORE
	ANT/CIV/ ECO/HIS/ ICP/PSY/ SOC	Social & Behavioral Sciences Select one	3	None	GENED

	GEN 102/ GEN 103	Arts & Humanities Select one	3	None	GENED
	BIO 350	Introduction to Public Health	3	BIO 121	CONCENTRATION CORE
	XXX xxx	Refer to elective list	3	Refer to course description	CONCENTRATION ELECTIVE
Total			**16**		

THIRD YEAR – NES PUBLIC HEALTH CONCENTRATION (FALL)					
Semester	**Course Code**	**Course Title**	**Credit Hours**	**Prerequisite**	**Requirement**
5	AUN 300	Critical Thinking & Problem Solving	3	min. 3rd yr. standing	GENED
		Critical Thinking & Problem Solving			
	XXX xxx	Refer to elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	ENT 325	Entrepreneurship	3	ENT 101	GENED
		Social Entrepreneurship			
	LAW 313	Medical Law and Ethics I	3	None	CONCENTRATION CORE
	PHY 131	College Physics I	4	MAT 110 or higher (min. C grade)	CORE
		Total	16		
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	STA 305	Biostatistics	3	STA 101, MAT 210	CORE
	PHY 132	College Physics II	4	PHY 131	CORE

	XXX xxx	**Visit program chair**	**3**	**Refer to course description**	**FREE ELECTIVE**
	STA 301	**Probability and Statistics**	**3**	**STA 101, MAT 210**	**CONCENTRATION CORE**
Total			**16**		

FOURTH YEAR – NES PUBLIC HEALTH CONCENTRATION (FALL)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
7	PHI 300	Arts & Humanities Ethics & Leadership	3	min. 3rd. yr standing	GENED
	BIO 450	Introduction to Epidemiology	3	MAT 211	CONCENTRATION CORE
	BIO/CHE/GEO/ NES/PHY	Natural & Physical Science select one	4	None	GENED
	BIO 490 or NES 490	Senior Research Project I	3	BIO 121, BIO 210, STA 101, 3rd senior standing	CORE
	ANT/CIV/ ECO/HIS/ ICP/PSY/ SOC	Social & Behavioral Science Select one	3	None	GENED
Total			**16**		
8	BIO 491 or	Senior Research Project II	3	BIO 490, STA 305	CORE

	NES 491				
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	BIO/CHE/GEO/ NES/PHY	Natural & Physical Science	3	None	GENED
		select one			
	XXX xxx	Refer to elective list	3	Refer to course description	CONCENTRATION ELECTIVE
Total			**12**		

SAMPLE 4 -YEAR STUDY PLAN FOR THE BACHELOR OF SCIENCE IN NATURAL AND ENVIRONMENTAL SCIENCES - PUBLIC HEALTH CONCENTRATION

SPRING ADMISSION

FIRST YEAR - NES BIOSTATISTICS CONCENTRATION (SPRING)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
1	WRI 101	Writing	3	Placement test	GENED
		Composition I			
	BIO 120	Introduction to Biology I	4	None	CORE

	MAT 210	Maths and Statistics Calculus 1	3	MAT 112/ Placement test	GENED
	AUN 101	First Year Experience First Year Experience	1	None	GENED
	CIE 111	Information Technology Intro. to Computers & Computing	3	None	GENED
Total			**14**		
Semester	**Course Code**	**Course Title**	**Credit Hours**	**Prerequisite**	**Requirement**
2	WRI 102	Writing Composition II	3	WRI 101	GENED
	GEN 102 or GEN 103	Arts and Humanities select one	3	None	GENED
	CDV 2xx	Community Service Community Development	3	min. 2nd yr. standing	GENED
	CHE 120	General Chemistry I	4	CHE 101/ Placement Test	CORE
	BIO 121	Introduction to Biology II	4	BIO 120	CORE
Total			**17**		

SECOND YEAR – NES PUBLIC HEALTH CONCENTRATION (SPRING)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
3	STA 101	Maths & Statistics Statistics	3	MAT 110 or higher)	GENED
	ANT/CIV/ECO/HIS/ICP/PSY/ SOC	Social & Behavioral Sciences Select one	3	None	GENED
	ENT 101	Entrepreneurship Introduction to Entrepreneurship	3	None	GENED
	BIO 240	Microbiology and Immunology	4	BIO 121	CONCENTRATION CORE
	GEN 102/ GEN 103	Arts & Humanities Select One	3	None	GENED
Total			**16**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
4	CHE 121	General Chemistry II	4	CHE 120	CORE
	BIO 210	Communicating in the Sciences	3	WRI 102	CORE
	BIO 250	Global Health	3	BIO 121	CONCENTRATION CORE
	ANT/CIV/ECO/HIS/ICP/PSY/SOC	Social Behavioral Sciences	3	None	GENED
		select one			
Total			**13**		

THIRD YEAR – NES PUBLIC HEALTH CONCENTRATION (SPRING)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
5	AUN 300	Critical Thinking & Problem Solving	3	min. 3rd yr. standing	GENED
		Critical Thinking & Problem Solving			
	XXX xxx	Refer to elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	ENT 325	Entrepreneurship	3	ENT 101	GENED
		Social Entrepreneurship			
	BIO 350	Introduction to Public Health	3	BIO 121	CONCENTRATION CORE
	PHY 131	College Physics I	4	MAT 110 or higher	CORE
		Total	16		
6	STA 305	Biostatistics	3	STA 101, MAT 210	CORE
	BIO 490 or NES 490	Senior. Research Project I in Biomedical Sciences	3	BIO 121, BIO 210, STA 101, 3rd senior standing	CORE
	PHY 132	College Physics II	4	PHY 131	CORE
	XXX xxx	Refer to elective list	3	Refer to course description	CONCENTRATION ELECTIVE
	BIO 450	Introduction to Epidemiology	3	BIO 250, STA 305	CONCENTRATION CORE
		Total	16		

FOURTH YEAR – NES PUBLIC HEALTH CONCENTRATION (SPRING)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
7	STA 301	Probability and Statistics	3	STA 101, MAT 210	CONCENTRATION CORE
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	BIO/CHE/GEO/ NES/PSY	Natural & Physical Sciences	4	None	GENED
		select one			
	LAW 313	Medical Law and Ethics I	3	None	CONCENTRATION CORE
	BIO 491/ NES 491	Senior Research Project II	3	BIO 490, STA 305	CORE
Total			**16**		
8	PHI 300	Arts and Humanities	3	min. 3rd yr. standing	GENED
		Ethics and Leadership			

	XXX xxx	visit program chair	3	Refer to course description	FREE ELECTIVE
	BIO/CHE/GEO/ NES/PHY	Natural & Physical Science	3	None	GENED
		Select one			
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	XXX xxx	Refer to elective list	3	Refer to course description	CONCENTRATION ELECTIVE
Total			**15**		

BACHELOR OF ARTS (BA) IN POLITICS AND INTERNATIONAL STUDIES *(formerly known as International Comparative Politics)*

The Department of Politics and International Studies offers the Bachelor of Arts in Politics and International Studies. The Program introduces students to the several sub-disciplines of Political Science, namely: International Relations, Comparative politics, Political Theory and Public Administration.

The Program trains graduates in the Liberal Arts tradition of thinking independently, critically and analytically; communicating effectively and finding creative ways to contribute to the society in which they live and to the global community.

CONCENTRATIONS

In addition to the major degree, students can choose to concentrate on any of the following three areas:

- § International Relations
- § Peace and Conflict Studies
- § Public Administration

Graduates with a BA in Politics and International Studies can follow several career tracks. Professional options open to POLIS graduates include careers in the following areas:

- Public service
- Diplomatic service
- Conflict resolution
- Peacebuilding
- Politics
- International/Regional organizations
- The third sector: non-governmental organizations

Bachelor of Arts in Politics and International Studies Degree Requirement

POLIS students are discouraged from taking ICP 101 as a general education requirement. Meet your faculty/academic advisor or program chair for further enquiries.

POLIS students must complete the University wide required General Education program. These courses are designed to give students a broad coverage of a Liberal Arts experience which complements their major requirements.

PREREQUISITES

For successful completion of the program, students are required to take the following courses, which serve as **prerequisites** for higher-level courses in the program.

ICP 101: Introduction to Comparative Politics (3 Credits)
ICP 131: Introduction to International Relations (3 Credits)
ICP 161: Introduction to Political Theory (3 Credits)
ICP 186: Introduction to Public Administration (3 Credits)
ICP 201: Contemporary Nigerian Politics /OR
ICP 205: Introduction to African Politics (3 Credits)
ICP 229 Introduction to Peace and Conflict Resolution (for certain peace and conflict courses)
ICP 395: Social Sciences Research Methods (Prerequisites for ICP 490/491: Senior Research Projects I & II) or SOC 390

Students pursuing the BA in POLIS must complete the series of courses (credits) in consultation with the program chair to ensure all requirements have been fulfilled. As a POLIS major, students are required to successfully complete the following credit hour load upon graduation.

Politics & International Studies Degree Requirement								
Program		**GENED**	**MAJOR**					**Overall Grad. Req.**
		GENED	**Major Core**	**Concentration Core**	**Free Electives**	**POLIS Electives**	**Concentration Electives**	
		Total Credit Hours						
General		50	54	-	9	9	-	122
CONCENTRATION AREAS								
1	International Relations	50	-	33	9	9	21	122
2	Peace & Conflict	50	-	33	9	9	21	122
3	Public Administration	50	-	33	9	9	21	122

Students are required to satisfy all Core and Free Electives requirements listed below.

Requirement	Course Code	Course Code	Credit Hours
CORE (total 54 credits required)	ICP 101	Introduction to Comparative Politics	3
	ICP 131	Introduction to International Relations	3
	ICP 161	Introduction to Political Theory	3
	ICP 186	Introduction to Public Administration	3
	ICP 201 or ICP 205	Contemporary Nigerian Politics or Contemporary African Politics	3
	ICP 395 (SOC 390 can fulfill requirement)	Social Sciences Research Methods	3
	ICP xxx	ICP course at any level	3
	ICP xxx	ICP course at any level	3
	ICP xxx	ICP course at any level	3
	ICP 3/4xx	ICP course at 300 or 400 level	3
	ICP 3/4xx	ICP course at 300 or 400 level	3
	ICP 3/4xx	ICP course at 300 or 400 level	3
	ICP 3/4xx	ICP course at 300 or 400 level	3
	ICP 4xx	ICP course at 400 level	3
	ICP 4xx	ICP course at 400 level	3
	ICP 4xx	ICP course at 400 level	3
	ICP xxx	ICP course at any level	3
	ICP 490 and ICP 491 or	Senior Research Project I or Senior Research Project II	3/3
	ICP 496 and ICP 497	Honors Seminar	3/3

Students who choose a concentration are required to successfully complete the concentration core (33 credits)

Requirement	Course Code	Course Code	Credit Hours
CONCENTRATION CORE (33 credits)	ICP 101	Introduction to Comparative Politics	3
	ICP 131	Introduction to International Relations	3
	ICP 161	Introduction to Political Theory	3
	ICP 186	Introduction to Public Administration	3
	ICP 201 or ICP 205	Contemporary Nigerian Politics or Contemporary African Politics	3
	ICP 395 (SOC 390 can fulfill requirement)	Social Sciences Research Methods	3
	ICP xxx	ICP course at any level	3
	ICP 3/4xx	ICP course at 300 or 400 level	3
	ICP 4xx	ICP course at 400 level	3
	ICP xxx	ICP course at any level	3
	ICP 490 and ICP 491 or	Senior Research Project I or Senior Research Project II	3/3
	ICP 496 and ICP 497	Honors Seminar	3/3

POLIS students are required to successfully complete a minimum 9 credits of free electives

Requirement	Course Code	Course Code	Credit Hours
FREE ELECTIVES (min. 9 credits**)**	XXX xxx	Visit program chair for course selection consultation	1-4
	XXX xxx		1-4
	XXX xxx		1-4

POLIS Electives (9 credits)
Students are required to take a minimum of 9 credits to complement and support the degree program in Politics and International Studies. Students are strongly encouraged to visit their program chair for course selection consultation.

Requirement	Course Code	Course Title	Credit Hours
POLIS ELECTIVE (9 credits)	XXX xxx	Visit program chair	3
	XXX xxx		3
	XXX xxx		3

Honor's Program
The POLIS program also offers a BA with Honors. This requires being part of a two semester Honors Seminar (6 credits; ICP 496 and 497) that culminates with an Honors Thesis of 12-15,000 words that must be presented in a public defense.

ICP 496 and 497 serve as alternatives to ICP 490 and 491 (Senior Research Project) respectively for students that meet the CGPA prerequisites for the courses.

Students may choose a Politics and International Studies (general) or select a specific concentration that awards a Bachelor of Arts in Politics and International Studies with a concentration. The concentrations are listed below.

Upon completion of all degree requirements, students will receive a Bachelor of Arts in Politics and International Studies, with **concentration** in any three of the following:

1) International Relations
2) Peace and Conflict Resolutions
3) Public Administration

Concentrations
The following is a description of the three areas of concentration in POLIS.

1. **International Relations**

International Relations is an interdisciplinary major that focuses on interaction of states and non-state actors on military, economic, political, social, and cultural issues in the global arena. The program explores the impact of global, regional, and domestic factors on the principles of diplomacy and foreign policy. Prospective graduates seek employment in the areas of diplomatic service and other sectors of public bureaucracy, private sector, the media, international organizations, non-governmental organizations, and political research. Many students pursue graduate degrees in international relations, law, or political science.

2. **Peace and Conflict Resolution**

The concentration in Peace and Conflict Resolution aims to provide students with knowledge and understanding of the issues and practices involved in peace and conflict resolution as well as dkiplomagtic service and mechanisms. In addition to theory, the concentration will consider case studies, including African peace and conflict studies, and post-conflict issues.

3. **Public Administration**

Public Administration is a field of academic study and professional training. It largely entails all processes, organizations, individuals associated with implementation of government laws and policies at the local, state, and federal levels. A concentration in public administration prepares students for careers in public service, including, private as well as non-profit sectors.

Students that wish to choose a concentration must do so by selecting the appropriate list of courses under the concentration considered.

International Relations (IR) Concentration

For those considering IR as a concentration, each student must choose a total of seven (7) courses (21 credits). The course breakdown is (2) 200 level; (3) 300 level; (2) 400 level from the list below.

Requirement	Course Code	Course Title	Credits
Concentration Elective (21 credits)	ICP 231	International Organizations	3
	ICP 240	American Foreign Policy	3
	ICP 432	The Politics of Globalization	3
For further course selection, students are expected to visit their program chair.			

Peace and Conflict Resolution (PCR) Concentration

For those considering PCR as a concentration, each student must choose a total of seven (7) courses (21 credits). The course breakdown is (2) 200 level; (3) 300 level; (2) 400 level from the list below.

Requirement	Course Code	Course Title	Credits
Concentration Elective (21 credits)	ICP 229	Introduction to Peace and Conflict Studies	3
	ICP 309	Strategies of Conflict Transformation – Approaches to Peace Building	3
	ICP 310	African Peace and Conflict Studies	3
	ICP 330	Conflict Systems and Analysis	3

	ICP 358	Diplomacy in Theory and Practice	3
	ICP 396	Research Methodology in Peace and Conflict Studies	3
	ICP 430	Post-Conflict Reconstruction	3
	ICP 447	International Human Rights Protection	3
	ICP 448	Humanitarian Intervention	3
	ICP 477	Peace Studies/Political Violence	3
For further course selection, students are expected to visit their program chair.			

Public Administration (PA) Concentration

For those considering PA as a concentration, each student must choose a total of seven (7) courses (21 credits). The course breakdown is (1) 100 level; (1) 200 level; (3) 300 level; (2) 400 level from the list below.

Requirement	Course Code	Course Title	Credits
Concentration Electives (21 credits)	ICP 186	Introduction to Public Administration	3
	ICP 187	Introduction to Public Policy	3
	ICP 287	Public Policy Analysis	3
	ICP 387	Organizational Behavior & Administrative Comm.	3
	ICP 388	Public Management	3
	ICP 389	Public Personnel Administration	3
	ICP 390	Non-Profit Sector Management	3
	ICP 394	Environmental Policy, Mgt. and Regulation	3
	ICP 486	Management Policies in Public Administration	3
	ICP 487	Organizational Theory	3
	ICP 488	Comparative Public Policy	3

	ICP 489	Collective Bargaining - Public Sector	3

Students should consult with their program chair in designing their course of study, in selecting courses, and in considering a possible minor.

SAMPLE 4 YEAR STUDY PLAN –BACHELOR OF ARTS (B.A.) IN POLITICS & INTERNATIONAL STUDIES
GENERAL
FALL & SPRING ADMISSION

FIRST YEAR

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
1	MAT 110 or MAT 112 or MAT 210	**Maths and Statistics** Mathematics	3	Placement test	GENED GENED
	WRI 101	**Writing** Composition I	3		
	GEN 102 or GEN 103	**Arts & Humanities** select one	3	None	GENED
	AUN 101	**First Year Experience** First Year Experience	1	None	GENED
	CIE 111	**Info. Technology**	3	None	GENED

		Intro. to Computers & Computing			
	ANT/CIV/ECO/HIS/ICP/PSY/ SOC	**Social & Behavioral Sciences** select one	3	None	GENED
		Total	**16**		
2	GEN 102 or GEN 103	Arts & Humanities select one	3	None	GENED
	STA 101	**Maths & Statistics** Introduction to Statistics	3	MAT 110 or higher)	GENED
	ICP 101	Intro. to Politics and International Studies	3	None	CORE
	WRI 102	**Writing** Composition II	3	WRI 101	GENED
	ENT 101	**Entrepreneurship** Intro. to Entrepreneurship	3	None	GENED
		Total	**15**		

SECOND YEAR - POLITICS & INTERNATIONAL STUDIES - GENERAL

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
3	ENT 325	**Entrepreneurship** Social Entrepreneurship	3	ENT 101	GENED
	BIO/CHE/GEO/NES/ PHY	**Natural & Physical Sciences** select one	4	None	GENED
	XXX xxx	visit your program chair	3	Refer to course description	FREE ELECTIVE
	CDV 2xx	**Community Service** Community Development	3	None	GENED
	ICP 131	Introduction to International Relations	3	None	MAJOR CORE
		Total	**16**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
4	ICP 161	Introduction to Political Theory	3	None	MAJOR CORE
	ICP 186	Introduction to Public Administration	3	None	MAJOR CORE

	XXX xxx	Refer to ICP Elective list	3	Refer to course description	ICP ELECTIVE
	BIO/CHE/GEO/ NES/PHY	**Natural & Physical Sciences**	3	None	GENED
		select one (no lab)			
	AUN 300	**Critical Thinking & Problem Solving**	3	min. 3rd yr. standing	GENED
		Critical Thinking & Problem Solving			
		Total	**15**		

THIRD YEAR - POLITICS & INTERNATIONAL STUDIES - GENERAL

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
5	ICP xxx	ICP course any level	3	Refer to course description	CORE
	ICP xxx	ICP course any level	3	Refer to course description	CORE
	XXX xxx	Visit your program chair	3	Refer to course description	FREE ELECTIVE
	PHI 300	**Arts & Humanities**	3	min. 3rd yr. standing	GENED

		Ethics & Leadership			
	ICP xxx	ICP course 300 level and above	3	Refer to course description	CORE
		Total	**15**		

Semester	**Course Code**	**Course Title**	**Credit Hours**	**Prerequisite**	**Requirement**
6	ICP 201 or ICP 205	Contemporary Nigerian Politics or Contemporary African Politics	3	ICP 101 or 131	CORE
	XXX xxx	Refer to ICP Elective list.	3	Refer to course description	POLIS ELECTIVE
	ICP xxx	ICP course 300 level and above	3	Refer to course description	CORE
	ICP xxx	ICP course 300 level and above	3	Refer to course description	CORE
	ICP 395 or	Social Sciences Research Methods	3	STA 101	CORE
	(SOC 390 can fulfill requirement)			STA 101 & SOC 101 or QBA 101	
		Total	**15**		

FOURTH YEAR - POLITICS & INTERNATIONAL STUDIES - GENERAL

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
7	ICP xxx	ICP course 300 level and above	3	Refer to course description.	CORE
	ANT/CIV/ECO/ HIS/ICP/PSY/SOC	**Social & Behavioral Sciences**	3	Refer to course description	GENED
		select one			
	XXX xxx	Refer to Elective course list	3	Refer to course description	POLIS ELECTIVE
	ICP 4xx	ICP course 400 level	3	Refer to course description	CORE
	ICP 490	Senior Research Project – Part 1	3	4th yr. standing	CORE
	ICP 496 (Honors only)				
		Honors Seminar I		ICP 101, ICP131, ICP 161, ICP 201 or ICP 205	
		Total	**15**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
8	XXX xxx	Visit your program chair	3	Refer to course description	FREE ELECTIVE

	ICP 4xx	ICP course 400-level and above	3	Refer to course description	CORE
	ICP xxx	ICP course any level	3	Refer to course description	CORE
	ICP 4xx	ICP course 400-level and above	3	Refer to course description	CORE
	ICP 491 or	Senior Research Project II	3	ICP 490	CORE
	ICP 497 (Honors only)	Honors Seminar II		ICP 496	
		Total	**15**		

SAMPLE 4 YEAR STUDY PLAN – BACHELOR OF ARTS (B.A.) IN POLITICS AND INTERNATIONAL STUDIES - INTERNATIONAL RELATIONS CONCENTRATION
FALL & SPRING ADMISSION

FIRST YEAR

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
1	MAT 110 or MAT 112 or MAT 210	**Maths and Statistics**	3	Placement test	GENED
		Mathematics			
					GENED
	WRI 101	**Writing**	3		
		Composition I			

	GEN 102 or GEN 103	**Arts & Humanities** select one	3	None	GENED
	AUN 101	**First Year Experience** First Year Experience	1	None	GENED
	CIE 111	**Info. Technology** Intro. to Computers & Computing	3	None	GENED
	ICP 101	Introduction to Comparative Politics	3	None	CORE
		Total	**16**		
2	GEN 102 or GEN 103	**Arts & Humanities** select one	3	None	GENED
	STA 101	**Maths & Statistics** Introduction to Statistics	3	MAT 110 or higher	GENED
	ENT 101	**Information Technology** **Entrepreneurship** Social Entrepreneurship	3	None	GENED
	WRI 102	**Writing** Composition II	3	WRI 101	GENED
	ICP 161	Intro. to Political Theory	3	None	CORE
		Total	**15**		

SECOND YEAR - INTERNATIONAL RELATIONS CONCENTRATION

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
3	ENT 325	**Entrepreneurship** Social Entrepreneurship	3	ENT 101	GENED
	BIO/CHE/GEO/ NES/PCE/PHY	**Natural & Physical Sciences** select one (Lab)	4	None	GENED
	CDV 20x	**Community Service** select one	3	None	GENED
	ANT/CIV/ECO/ HIS/ICP/PSY/ SOC	**Social & Behavioral Sciences** select one	3	None	GENED
	ICP 131	Introduction to International Relations	3	None	CORE
		Total	**16**		
4	ICP 186	Introduction to Public Administration	3	None	CORE
	XXX xxx	Visit your program chair	3	Refer to course description	FREE ELECTIVE
	XXX xxx	Refer to POLIS Elective list	3	Refer to course description	POLIS ELECTIVE

	BIO/CHE/GEO/ NES/PCE/PHY	**Natural & Physical Sciences** select one (no lab)	3	None	GENED
	AUN 300	**Critical Thinking & Problem Solving** Critical Thinking & Problem Solving	3	min. 3rd yr. standing	GENED
		Total	**15**		

THIRD YEAR - INTERNATIONAL RELATIONS CONCENTRATION

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
5	ANT, CIV, ECO, HIS, ICP, PSY, SOC	**Social & Behavioral Sciences** select one	3	Refer to course description	GENED
	ICP 2xx	Refer to concentration list	3	Refer to course description	CONCENTRATION
	XXX xxx	visit program chair	3	Refer to course description	FREE ELECTIVE
	PHI 300	**Arts & Humanities** Ethics & Leadership	3	min. 3rd yr. Standing	GENED
	ICP 2xx	200 level	3	Refer to course description	CONCENTRATION

		Total	**15**		
6	XXX xxx	visit program chair	3	Refer to course description	FREE ELECTIVE
	XXX xxx	Refer to POLIS Elective list	3	Refer to course description	POLIS ELECTIVE
	ICP 3xx	Refer to concentration list	3	Refer to course description	CONCENTRATION
	ICP 3xx	Refer to concentration list	3	Refer to course description	CONCENTRATION
	ICP 395 or	Social Sciences Research Methods	3	STA 101	MAJOR CORE
	SOC 390			SOC 101 & STA 101 or QBA 101	
		Total	**15**		

FOURTH YEAR - INTERNATIONAL RELATIONS CONCENTRATION

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
7	ICP 201 or ICP 205	Contemporary Nigerian Politics or Contemporary African Politics	3	ICP 101 or ICP 131	CORE
	XXX xxx	Refer to POLIS Elective course list	3	Refer to course description	POLIS ELECTIVE

	ICP 3xx	Refer to concentration list	3	Refer to course description	CONCENTRATION
	ICP xxx	Refer to major core course list	3	Refer to course description	CORE
	ICP 490 or	Senior Research Project – Part 1	3	4th yr. standing	CORE
	ICP 496 **(Honors only)**	Honors Seminar I		ICP 101,ICP 131, ICP 161 and ICP 201 or ICP 205	
		Total	**15**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
8	ICP 491	Senior Research Project-Part II	3	ICP 490	CORE
				ICP 496	
	ICP 497 **(Honors only)**	Honors Seminar 1			
	ICP xxx	Refer to concentration list	3	Refer to course description	CORE
	ICP xxx	Refer to Major Core List	3	Refer to course description	CORE

	ICP 4xx	Refer to Concentration list	3	Refer to course description	CONCENTRATION
	ICP 4xx	Refer to Major Core List	3	Refer to course description	CONCENTRATION
			Total	**15**	

SAMPLE 4-YEAR STUDY PLAN – BACHELOR OF ARTS (B.A.) IN POLITICS AND INTERNATIONAL STUDIES - PEACE & CONFLICT RESOLUTION CONCENTRATION
FALL & SPRING ADMISSION

FIRST YEAR - PEACE & CONFLICT RESOLUTION CONCENTRATION

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
1	MAT 110 or MAT 112 or MAT 210	**Maths and Statistics** Mathematics	3	Placement test	GENED
					GENED
	WRI 101	**Writing** Composition I	3		
	GEN 102 or GEN 103	**Arts & Humanities** select one	3	None	GENED
	AUN 101	**First Year Experience**	1	None	GENED

		First Year Experience			
	ICP 101	**Info. Technology** Introduction to Comparative Politics	3	None	CORE
	ANT/CIV/ECO/ HIS/ICP/ PSY/SOC	**Social & Behavioral Sc.** select one	3	None	GENED
		Total	**16**		
2	GEN 102 or GEN 103	**Arts & Humanities** Select one	3	None	GENED
	STA 101	**Maths & Statistics** Introduction to Statistics	3	MAT 110 or higher (min. 'C' grade)	GENED
	ENT 101	**Entrepreneurship** Intro. to Entrepreneurship	3	None	GENED
	WRI 102	**Communication** Composition II	3	WRI 101	GENED
	ICP 161	Intro. to Political Theory	3	None	CORE
		Total	**15**		

SECOND YEAR - PEACE & CONFLICT RESOLUTION CONCENTRATION

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
3	ENT 325	**Entrepreneurship** Social Entrepreneurship	3	ENT 101	GENED
	BIO/CHE/GEO /NES/PCE/PHY	**Natural & Physical Sciences** select one	4	None	GENED
	CIE 111	**Info. Technology** Intro. Computers & Computing	3	None	GENED
	CDV 20x	**Community Service** Community Development	3	None	GENED
	ICP 131	Introduction to International Relations	3	None	MAJOR CORE
		Total	**16**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
4	ICP 186	Introduction to Public Administration	3	None	MAJOR CORE
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	ICP 201 or ICP 205	Contemporary Nigerian Politics or Contemporary African Politics	3	ICP 101 or ICP 131	MAJOR CORE
	BIO/CHE/GEO /NES/PCE/PHY	**Natural & Physical Sciences**	3	None	GENED
		select one			
	AUN 300	**Critical Thinking & Problem Solving**	3	min. 3rd yr. standing	GENED
		Critical Thinking & Problem Solving			
		Total	**15**		

THIRD YEAR - PEACE & CONFLICT RESOLUTION CONCENTRATION

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
5	ANT/CIV/ECO /HIS/ICP/PSY/ SOC	**Social & Behavioral Sciences**	3	Refer to catalog	GENED

		select one			
	ICP 2xx	Refer to Concentration list	3	Refer to catalog	CONCENTRATION
	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	PHI 300	**Arts & Humanities** Ethics & Leadership	3	min. 3rd yr. Standing	GENED
	ICP 2xx	Refer to Concentration list (200 level)	3	Refer to course description	CONCENTRATION
		Total	**15**		

Semester	Course Code	Course Title	Credits	Prerequisite	Requirement
6	XXX xxx	Visit program chair	3	Refer to course description	FREE ELECTIVE
	ICP xxx	Refer to ICP Elective list	3	Refer to course description	TECHNICAL
	ICP xxx	Refer to Concentration list	3	Refer to course description	CONCENTRATION
	ICP xxx	See Concentration list	3	Refer to course description	CONCENTRATION

	ICP 395 or (SOC 390 can fulfill requirement)	Social Sciences Research Methods	3	STA 101 SOC 101 & STA 101 or QBA 101	CORE
		Total	**15**		

FOURTH YEAR - PEACE & CONFLICT RESOLUTION CONCENTRATION

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
7	ICP xxx	Refer to the Major Core List.	3	Refer to course description	CORE
	XXX xxx	Refer to ICP Elective list	3	Refer to course description	POLIS ELECTIVE
	ICP 3xx	Refer to Concentration list	3	Refer to course description	CONCENTRATION
	XXX xxx	Refer to ICP Elective list	3	Refer to course description	POLIS ELECTIVE
	ICP 490	Senior Research Project - Part 1	3	4th yr. standing	CORE
	ICP 496 **(Honors Only)**	Honors Seminar I		ICP 101, ICP 131, ICP 161 & ICP 205	
		Total	**15**		

8	ICP 491	Senior Research Project-Part II	3	ICP 490	CORE
	ICP 497 **(Honors only)**	Honors Seminar I		ICP 496	
	ICP 4xx	Refer to Concentration list	3	Refer to course description	CONCENTRATION
	ICP xxx	Refer to POLIS Elective list	3	Refer to course description	POLIS ELECTIVE
	ICP 4xx	Refer to Concentration list	3	Refer to course description	CONCENTRATION
	ICP 3xx or ICP 4xx	Any ICP course at 300 or 400 level	3	Refer to course description	CORE
		Total	**15**		

SAMPLE 4 YEAR STUDY PLAN – BACHELOR OF ARTS (B.A.) IN POLITICS AND INTERNATIONAL STUDIES
PUBLIC ADMINISTRATION CONCENTRATION
FALL & SPRING ADMISSION

FIRST YEAR

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
1	MAT 110 or MAT 112 or MAT 210	**Maths and Statistics** Mathematics	3	Placement test	GENED GENED
	WRI 101	**Writing** Composition I	3		
	GEN 102 or GEN 103	**Arts & Humanities** select one	3	None	GENED
	AUN 101	**First Year Experience** First Year Experience	1	None	GENED
	ICP 101	**Info. Technology** Intro to Comparative Politics	3	None	CORE
	ANT/CIV/ECO/ HIS/ICP/PSY/SOC	**Social & Behavioral Sciences** select one	3	None	GENED
		Total	**16**		

2	GEN 102 or GEN 103	**Arts & Humanities** select one	3	None	GENED
	STA 101	**Maths & Statistics** Introduction to Statistics	3	MAT 110 or higher	GENED
	ENT 101	**Entrepreneurship** Intro. to Entrepreneurship	3	None	GENED
	WRI 102	**Writing** Composition II	3	WRI 101	GENED
	ICP 161	Intro. to Political Theory	3	None	CORE
		Total	**15**		

SECOND YEAR - PUBLIC ADMINISTRATION CONCENTRATION

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
3	ENT 325	**Entrepreneurship** Social Entrepreneurship	3	ENT 101	GENED
	BIO/CHE/GEO/ NES/PHY	**Natural & Physical Sciences** select one	4	None	GENED

	CIE 111	**Info. Technology** Intro. to Computers & Computing	3	None	GENED
	CDV 20x	**Community Service** Community Development	3	None	GENED
	ICP 131	Introduction to International Relations	3	None	CORE
		Total	**16**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
4	ICP 186	Introduction to Public Administration	3	None	CORE
	XXX 1xx	Refer to Concentration list (100 level)	3	Refer to course description	CONCENTRATION
	ICP 201 or 205	Contemporary Nigerian Politics or Contemporary African Politics	3	ICP 101 or ICP 131	CORE
	BIO/CHE/GEO/ NES/PHY	**Natural & Physical Sciences** select one	3	None	GENED

	AUN 300	**Critical Thinking & Problem Solving** Critical Thinking & Problem Solving	3	min. 3rd yr. standing	GENED
		Total	**15**		

THIRD YEAR - PUBLIC ADMINISTRATION CONCENTRATION

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
5	ANT/CIV/ECO/ HIS/ICP/PSY/ SOC/	**Social & Behavioral Sciences** select one	3	Refer to catalog	GENED
	XXX xxx	visit program chair	3	Refer to catalog	FREE ELECTIVE
	XXX xxx	visit program chair	3	Refer to catalog	FREE ELECTIVE
	PHI 300	**Arts & Humanities** Ethics & Leadership	3	min. 3rd yr. standing	GENED
	ICP 2xx	Refer to Concentration list (200 level)	3	Refer to course description	CONCENTRATION

		Total	**15**		
Semester	Course Code	Course Title	Credits	Prerequisite	Requirement
6	XXX xxx	visit program chair	3	Refer to course description	FREE ELECTIVE
	ICP XXX	Refer to POLIS Elective list	3	Refer to course description	POLIS ELECTIVE
	ICP 3xx	Refer to concentration list - 300 Level	3	Refer to course description	CONCENTRATION
	ICP 3xx	Refer to concentration list - 300 Level	3	Refer to course description	CONCENTRATION
	ICP 395	Social Sciences Research Methods	3	STA 101	CORE
	(SOC 390 can fulfill requirement)			SOC 101 & STA 101 or QBA 101	
		Total	**15**		

THIRD YEAR - PUBLIC ADMINISTRATION CONCENTRATION

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
7	ICP xxx	ICP course at any level	3	Refer to course description	CORE
	XXX xxx	Refer to POLIS elective list	3	Refer to course description	POLIS ELECTIVE
	ICP 3xx	Refer to concentration list	3	Refer to course description	CONCENTRATION
	XXX xxx	Refer to POLIS Elective list	3	Refer to course description	POIS ELECTIVE
	ICP 490	Senior Research Project – Part 1	3	4^{th}. yr. standing ICP101, ICP 131, ICP 161, ICP 205	CORE
	ICP 496 (Honors only)	Honors Seminar 1			
		Total	**15**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
8	ICP 491	Senior Research Project-Part II	3	ICP 490 ICP 496	CORE

	ICP 497 (Honors only)	Honors Seminar 1			
	ICP 4xx	Refer to concentration list	3	Refer to course description	CONCENTRATION
	ICP xxx	Refer to Major Core List	3	Refer to course description	CORE
	ICP 4xx	Refer to concentration list	3	Refer to course description	CONCENTRATION
	ICP xxx	Refer to Major Core List	3	Refer to course description	CORE
		Total	**15**		

PETROLEUM CHEMISTRY

Bachelor of Science (B.Sc.) in Petroleum Chemistry

The Petroleum Chemistry program offers a highly specialized, career-oriented major to students interested in pursuing opportunities in the petroleum and petrochemical industries. The structure provides an intense chemistry-focused program for the petroleum and related fields.

The Petroleum Chemistry program will prepare students to assume newly developed careers created by Nigeria's restructuring of the downstream petrochemical sector focusing on the innovation of new petrochemicals and their processing, refining and distribution of petroleum products, and in-depth laboratory analysis of various petroleum-related specimens. The program also prepares students to develop their career in the upstream petroleum sector as field scientists, and in Natural Gas Technology as production and quality control experts.

Students will have a choice of career paths both in the oil industry and those related to petrochemicals and associated manufacturing. The petroleum industry needs petroleum chemists and engineers for:

- oil and gas refining
- oil and gas exploration
- oil and gas production
- oil cracking and reforming processes
- petrochemical processing
- polymer technology
- petroleum products manufacturing such as plastics, rubbers, solvents, and fuels.

In addition to BSc in Petroleum Chemistry, students have the option to have a concentration in Oil and Gas Chemistry. This choice will enable students to have more focus on oil exploration and production, and in natural gas technology areas.

Also, students have the option to have a concentration in Petrochemicals & Polymer Science. This choice will enable students to have more focus on petrochemical processing and reactions catalysis, polymer technology, and as well as petroleum products manufacturing.

Philosophy, Aim and Objectives of the Program

Philosophy of the Program

The Petroleum Chemistry program is designed to produce graduates with sound theoretical and practical knowledge required for the development of the petroleum and petrochemical sector of the nation’s economy. This means the program will produce graduates of very high academic standard with sufficient practical experience required for self-employment as well as being of immediate value to the petroleum and petrochemical industry.

Aim and Objectives of the Program

The aim of the program is to provide our undergraduates with the required practical knowledge and skills of the chemical processes in the oil and gas industry, to enable them to contribute effectively to the overall industrial development of the nation.

The undergraduate curriculum in petroleum chemistry at AUN is designed to:

- Provide students with mastery of the principles, concepts and experiences needed in the petroleum and chemical/petrochemical industry.
- Prepare students for graduate study in petroleum, chemistry or related courses via high quality and innovative research at the undergraduate level.
- Produce Petroleum Chemists that can effectively use computers, computational approach/modeling and innovative software to reduce the time and cost of oil processing, refining and distribution, as well as research in the oil and related industry/academia.
- Develop and train students with excellent practical knowledge in the field of renewable energy and technology.
- Create awareness among our students on the reality of the energy crisis and sensitize them towards finding lasting solutions.
- Foster and build an environment that develops students who are energy problem solvers, and whose lives are transformed for service and leadership.
- Make the students aware and conscious of the environmental problems associated with oil & gas exploration, production and processing and ways to combat them.
- Equip our graduates with relevant skills and leadership abilities suitable for entrepreneurship, scholarship, community service and employment.

Bachelor of Science in Petroleum Chemistry Degree Program Requirements

All students must complete the University wide required General Education Program requirements. These courses are designed to give the students broad coverage in a wide arena of disciplines.

General Education supports a Liberal Arts experience that prepares students for success in their majors and personal & professional lives after graduation.

All Petroleum Chemistry students must complete a series of courses (credits) in consultation with the program chair to ensure all requirements have been fulfilled.

As a Petroleum Chemistry major, students are required to successfully complete the following credit load upon graduation. Each concentration carries its own credit load:

Petroleum Chemistry Requirement	General Education	Core	Free Electives	Technical Core	Concentration Core	Overall Graduation Credit
Min. Total Credit Hours						
General	51	43	min. 9	30/34	None	133/137
CONCENTRATION						
Oil & Gas	51	43	min. 9	30/34	min. 9	142/146
Petrochemical & Polymer Science	51	43	min. 9	30/34	min. 9	142/146

Note - Concentration Electives are not compulsory for students opting for Petroleum Chemistry degree.

General Education

The general education requirement below is specific to the **Petroleum Chemistry** program.
Students majoring in Petroleum Chemistry must complete the following courses within the **General Education** distribution requirements:

GENERAL EDUCATION REQUIREMENTS

Discipline	Course Code	Course Title	Credit Hours
First Year Experience (total 1 credit)	AUN 101	First Year Experience	1
Arts and Humanities (total 9 credits)	GEN 102	Nigerian Peoples and Culture	3
	GEN 103	History and Philosophy of Science	3
	PHI 300	Ethics and Leadership	3
Community Service (total 3 credits)	CDV 2xx	Community Development	3
Critical Thinking and Problem Solving	AUN 300	Critical Thinking and Problem Solving	3

(total 3 credits)			
Entrepreneurship (total 6 credits)	ENT 101	Introduction to Entrepreneurship	3
	ENT 325	Social Entrepreneurship	3
Information Technology (total 3 credits)	CIE 111	Introduction to Computers and Computing	3
Mathematics* *Based on placement test* And	*MAT 100*	*Pre-Algebra* *This course is NOT counted towards graduation credits.*	*0*
	MAT 110 or MAT 112 or MAT 210 - meets Gen Ed. Requirement	University Algebra Pre-Calculus Calculus I	3
Statistics (Total 6 credits)	STA 101	Introduction to Statistics	3
Natural and Physical Sciences (Total 7 credits minimum)	CHE 101 *Based on placement test student may move to CHE 120*	Refer to course description	4
	CHE 121 - meets Gen Ed. Requirement		4
Social and Behavioral Sciences (Total 6 credits)	ANT, CIV, ECO 210/220, HIS, ICP, PSY, SOC	Refer to course description	3
	ANT, CIV, ECO 210/220, HIS, ICP, SOC, PSY		3
Writing* (Total 6 credits)	*WRI 100* or *Based on placement test* WRI 101* *Based on placement test* and WRI 102	*Introduction to Composition* *This course is NOT counted towards graduation credits.* Composition I Composition II	0 3 3
		Total	**51**

Mathematics and Writing Requirements*

Depending on the results of the placement test, this will determine the number of courses required.

If a student is placed in…		**Credit Hours**
WRI 100 Intro. to Composition	*This is a non-university credit bearing course and does NOT count towards the overall total graduation credits required. This course does not satisfy GENED requirements. Upon successful completion, a student must enroll in WRI 101.*	*0*
MAT 100 Pre-Algebra	*This is a non-university credit bearing course and does NOT count towards the overall total graduation credits required. This course does not satisfy GENED requirements. Upon successful completion, a student must enroll in MAT 110.*	*0*
MAT 110 University Algebra	This is a 3-credit bearing course and does not satisfy GENED requirements. Upon successful completion, a student must enroll in MAT 112. A minimum 'C' grade is required.	3
MAT 112 Pre-Calculus	This is a 3-credit bearing course and does not satisfy GENED requirements. Upon successful completion, a student must enroll in MAT 210. A minimum 'C' grade is required.	3
MAT 210: Calculus I	This is a 3-credit bearing course. This course satisfies GENED requirements.	3

Chemistry Requirement**

All students must enroll in CHE 101.
A placement test will be conducted in class to determine a student's chemistry foundation.

If a student is placed in…		**Credit Hours**
CHE 101 Introduction Chemistry or	This course is NOT counted towards graduation credits. This course does not satisfy GENED or major requirements.	4
CHE 120 General Chemistry I	This course satisfies GENED only.	4

Students may wish to pursue a Bachelor of Science in Petroleum Chemistry (General) without a concentration or students may select one of the concentrations below:

1) Oil and Gas
2) Petrochemicals and Polymer Sciences

All Petroleum Chemistry students must complete the 11 **core** courses below.

CORE REQUIREMENTS

s/n	Course Code	Credit Hours	Course Title
1	CHE 210	4	Organic Chemistry I
2	CHE 220	4	Physical Chemistry I
3	CHE 221	3	Industrial Chemical Process
4	CHE 330	4	Analytical Chemistry
5	CHE 324	3	Industrial Chemical Technology
6	CHE 331	3	Instrumental Methods of Analysis & Applied Spectroscopy
7	CHE 340	4	Inorganic Chemistry
8	GEO 101	4	Introduction to Geology
9	MAT 211	3	Calculus II
10	MAT 310	3	Calculus III
11	PHY 205	4	University Physics I
12	PHY 206	4	University Physics II
	Total	**43**	

In addition to the CORE courses, all Petroleum Chemistry students must complete 9 **technical** courses (30/34 credits) outlined below:

TECHNICAL CORE

s/n	Course Code	Credit Hours	Course Title
1	PCE 310	4	Petroleum Science
2	PCE 311	3	Natural Gas
3	PCE 320	3	Petrochemicals
4	PCE 321	4	Polymer Chemistry and Technology
5	PCE 410	3	Oil Spill & Gas Flaring: Effects & Control (3)
6	PCE 416	3	Coal & Oil Shale Chemistry

7	PCE 421	3	Electrochemistry & Corrosion Chemistry
8	PCE 493	3	Internship in Petroleum/Petrochemicals Industry
9	CHE 490 Or	4	Senior Research Project
	CHE 499	4,4	Thesis Project (over two semesters) ***Students must have at least a B average (CGPA 3.0/4.0) with a minimum of 89 earned credits.***
	Total	**30/34**	

In addition, three a minimum of 9 credits, referred to as FREE ELECTIVES are required. Students are advised to select their FREE ELECTIVE courses in consultation with the program chair.
For students pursuing a Petroleum Chemistry (general) degree, electives listed are not required, however, students are encouraged to take some of these courses in order to broaden their knowledge in the field.

RECOMMENDED ELECTIVES (not mandatory)

Course Code	Credit Hours	Credit Title	Recommended Electives
PCE 313	3	Introduction to Catalysis	General or Petrochemicals & Polymer Sc.
CHE 211	4	Organic Chemistry II	General
CHE 300	3	Oil & Gas Law	General or Oil & Gas Chemistry
CHE 322	3	Environmental Chemistry	General or Petrochemicals & Polymer Sc.
CHE 323	3	Chemical Kinetics & Thermodynamics	General
CHE 420	3	Physical Chemistry II	General
CHE 423	3	Quality Control & Industrial Safety	General or Petrochemicals & Polymer Science or Oil & Gas chemical
CHE 450	4	Computational Chemistry	General
GEO 301	3	Elements of Petroleum Geology	General or Oil & Gas Chemistry

The following three (3) Concentration Core courses (9 credits) are required – these courses are listed as follows.

OIL AND GAS CONCENTRATION CORE REQUIREMENT

Course Code	Course Title	Course Credits
CHE 300	Oil & Gas Law	3
CHE 423	Quality Control & Industrial Safety	3
GEO 301	Elements of Petroleum Geology	3

Petrochemicals & Polymer Science Concentration

The following three (3) Concentration Core courses (9 credits) are required – these courses are listed as follows:

PETROCHEMICALS & POLYMER SCIENCE CONCENTRATION REQUIREMENT

Course Code	Course Title	Course Credits
CHE 322	Environmental Chemistry	3
CHE 423	Quality Control & Industrial Safety	3
PCE 313	Introduction to Catalysis	3

SAMPLE 4-YEAR STUDY PLAN FOR A BACHELOR OF SCIENCE IN PETROLEUM CHEMISTRY (GENERAL)

Please note that this study plan is meant as a guide only.

This study plan does not reflect these courses - WRI 100, MAT 100, CHE 101. Due to staff and faculty changes some courses may not be offered during the semester indicated. Check with your faculty advisor and/or academic advisor along with your program chair each semester to be up to date with changes to the study plan.

FALL & SPRING ADMISSIONS

FIRST YEAR - PETROLEUM CHEMISTRY (GENERAL)

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
1	WRI 101	**Writing** Composition I	3	None	GENED
	ENT 101	**Entrepreneurship** Introduction to Entrepreneurship	3	None	GENED
	CHE 101/ CHE 120	**Natural and Physical Sciences** Intro. to Chemistry/ General Chemistry I	4	None/ CHE 101 or placement test	CHE101 does not satisfy GENED requirement/ GENED
	MAT 210	MAT	3	MAT 112 or placement test	GENED
	ANT/CIV/ECO210 /ECO 220/ HIS/ICP/PSY/SOC	**Social & Behavioral Sciences** select one	3	None	GENED
	AUN 101	**First Year Experience** First Year Experience	1	None	GENED
		Total	**17**		
2	WRI 102	**Writing** Composition II	3	WRI 101	GENED
	PHY 205	University Physics I	4	MAT 210	CORE

	STA 101	**Mathematics & Stats** Intro. to Statistics	3	None	GENED
	CHE 121	**Natural & Physical Sc.** General Chemistry II	4	CHE 120	GENED
	GEN 102 or GEN 103	**Arts & Humanities** Nigerian Peoples and Culture	3	None	GENED
Total			**17**		

SECOND YEAR – PETROLEUM CHEMISTRY (GENERAL)

Semester	Course Code	Course Title	Credit Hours	Prerequisites	Requirement
3	ANT/CIV/ ECO 210/ECO220 /HIS/ICP/PSY/SOC	**Social and Behavioral Sciences** select one	3	MAT 110 None	GENED
	MAT 211	Calculus II	3	MAT 210 min. C grade	CORE
	GEO 101	Introduction to Geology	4	None	CORE
	CHE 210	Organic Chemistry I	4	CHE 121	CORE
	CDV 2xx	**Community Development** select one	3	2nd yr. standing	GENED
Total			**17**		

Semester	Course Code	Course Title	Credit Hours	Prerequisites	Requirement
4	ANT/CIV/ ECO 210/220/ HIS/ICP/PSY/SOC	**Social and Behavioral Sciences**	3	MAT 110	GENED
		select one		None	
	MAT 211	Calculus II	3	MAT 210 min. C grade	CORE
	GEO 101	Introduction to Geology	4	None	CORE
	CHE 210	Organic Chemistry I	4	CHE 121	CORE
	CDV 2xx	**Community Development**	3	2nd yr. standing	GENED
		select one			
Total			**17**		

THIRD YEAR – PETROLEUM CHEMISTRY (GENERAL)

Semester	Course Code	Course Title	Credit Hours	Prerequisites	Requirement
5	MAT 310	Calculus III	3	MAT 211	CORE
	XXX xxx	See program chair.	min. 3	Refer to course description	FREE ELECTIVE
	CHE 220	Physical Chemistry I	4	CHE 121 & MAT 210	CORE
	CHE 330	Analytical Chemistry	4	CHE 121	CORE
	CHE 324	Industrial Chemical Technology	3	CHE 221	CORE
Total			**17**		

Semester	Course code	Course title	Credit hours	Prerequisite	Requirement
6	PCE 320	Petrochemicals	3	CHE 210 & CHE 220	TECHNICAL
	PCE 310	Petroleum Science	4	CHE 210 & CHE 220	TECHNICAL
	PCE 321	Polymer Chemistry and Technology	4	CHE 210 & CHE 220	TECHNICAL
	AUN 300	**Critical Thinking & Problem Solving** / Critical Thinking & Problem Solving	3	min. 3rd yr. standing	GENED
	PCE 493 (formerly CHE 493)	Internship in Petroleum/Petrochemicals Industry	3	min. 4th yr. standing	TECHNICAL
Total			**17**		

FOURTH YEAR – PETROLEUM CHEMISTRY (GENERAL)

Semester	Course Code	Course Title	Credit Hours	Prerequisites	Requirement
7	CHE 331	Instrumental Methods of Analysis & Applied Spectroscopy	3	CHE 330	CORE
	ENT 325	**Entrepreneurship** / Social Entrepreneurships	3	ENT 101	GENED
	CHE 490 or CHE 499	Senior Research Project or Thesis Project (4, 4: two semester course)	4	4th yr. standing	TECHNICAL
	PCE 410	Oil Spill & Gas Flaring: Effects & Control	3	4th yr. standing	TECHNICAL
	CHE 340	Inorganic Chemistry	4	CHE 121	CORE
Total			**17**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
8	PHI 300	**Arts & Humanities** Ethics & Leadership	3	min. 3rd yr. standing	GENED
	PCE 311	Natural Gas	3	CHE 210	TECHNICAL
	PCE 416	Coal & Oil Shale Chemistry	3	min. 3rd yr. standing & PCE 321	TECHNICAL
	PCE 421	Electrochemistry & Corrosion Chemistry	3	CHE 220	TECHNICAL
	XXX xxx	See you program chair.	min.3	Refer to course description	FREE ELECTIVE
	CHE 499	Thesis Project	4	4th yr. standing	TECHNICAL
Total			**15/19**		

SAMPLE 4-YEAR STUDY PLAN FOR A BACHELOR OF SCIENCE IN PETROLEUM CHEMISTRY
OIL & GAS OR PETROCHEMICAL & POLYMER CONCENTRATIONS

FALL & SPRING ADMISSIONS

Please note that this study plan is meant as a guide only.

This study plan does not reflect these courses - WRI 100, MAT 100, CHE 101. Due to staff and faculty changes some courses may not be offered during the semester indicated. Check with your faculty advisor and/or academic advisor along with your program chair each semester to be up to date with changes to the study plan.

FIRST YEAR - OIL & GAS or PETROCHEMICAL & POLYMER CONCENTRATIONS

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
1	WRI 101	**Writing** Composition I	3	None	GENED
	ENT 101	**Entrepreneurship** Intro. to Entrepreneurship	3	None	GENED
	CHE 101 or	Natural and Physical Sciences	4	None	Does not satisfy GENED. requirement
	CHE 120	General Chemistry I		CHE 101 or placement test	GENED
	MAT 210	MAT	3	MAT 112 or placement test	GENED
	ANT/CIV/ECO 210 ECO 220/HIS/ICP/ PSY/SOC/	**Social & Behavioral Sciences** select one	3	None	GENED
	AUN 101	**First Year Experience** First Year Experience	1	None	GENED
		Total	**17**		

2	WRI 102	**Writing** Composition II	3	WRI 101	GENED
	PHY 205	University Physics I	4	MAT 210	CORE
	STA 101	**Mathematics & Statistics** Intro. to Statistics	3	None	GENED
	CHE 121	**Natural & Physical Sc.** General Chemistry II	4	CHE 120	GENED
	GEN 102 or GEN 103	**Arts & Humanities** Nigerian Peoples and Culture	3	None	GENED
Total 17					

SECOND YEAR - OIL & GAS or PETROCHEMICAL & POLYMER CONCENTRATIONS

Semester	Course Code	Course Title	Credit Hours	Prerequisites	Requirement
3	ANT/CIV/ ECO 210/220 /HIS/ICP/PSY/S0C	**Social and Behavioral Sc.** select one	3	Refer to course description	GENED
	MAT 211	Calculus II	3	MAT 210 min. C grade	CORE
	GEO 101	Introduction to Geology	4	None	CORE
	CHE 210	Organic Chemistry I	4	CHE 121	CORE
	CDV 2xx	**Community Development** select one	3	min. 2nd yr. standing	GENED
Total			**17**		

Semester	Course code	Course title	Credit hours	Prerequisite	Requirement
4	CHE 221	Industrial Chemical Process	3	CHE 121	CORE
	CIE 111	Intro. to Computers and Computing	3	None	GENED
	GEN 102 or GEN 103	**Arts and Humanities** History & Philosophy of Science	3	None	GENED
	XXX xxx	Refer to Catalog	3	Refer to course description	CONCENTRATION CORE
	PHY 206	University Physics II	4	PHY 205	CORE
	XXX xxx	Refer to Catalog	3	Refer to course description	CONCENTRATION CORE
Total			**19**		

THIRD YEAR - OIL & GAS or PETROCHEMICAL & POLYMER CONCENTRATIONS

Semester	Course Code	Course Title	Credit Hours	Prerequisites	Requirement
5	MAT 310	Calculus III	3	MAT 211	CORE
	XXX xxx	See program chair.	min. 3	Refer to course description	FREE ELECTIVE
	CHE 220	Physical Chemistry I	4	CHE 121 & MAT 210	CORE
	CHE 330	Analytical Chemistry	4	CHE 121	CORE
	CHE 324	Industrial Chemical Technology	3	CHE 221	CORE
		Total	**17**		

Semester	Course code	Course title	Credit hours	Prerequisite	Requirement
6	XXX xxx	See program chair	3	Refer to the course description.	FREE ELECTIVE
	PCE 320	Petrochemicals	3	CHE 210 & CHE 220	TECHNICAL
	PCE 310	Petroleum Science	4	CHE 210 & CHE 220	TECHNICAL
	PCE 321	Polymer Chemistry and Technology	4	CHE 210 & CHE 220	TECHNICAL
	AUN 300	**Critical Thinking & Problem Solving** Critical Thinking & Problem Solving	3	min. 3rd yr. standing	GENED
	PCE 493 (formerly CHE 493)	Internship in Petroleum/Petrochemicals Industry (This can be done during summer months.)	3	min. 4th yr. standing	TECHNICAL
		Total	**20**		

FOURTH YEAR - OIL & GAS OR PETROCHEMICAL & POLYMER CONCENTRATIONS

Semester	Course Code	Course Title	Credit Hours	Prerequisites	Requirement
7	CHE 331	Instrumental Methods of Analysis & Applied Spectroscopy	3	CHE 330	CORE
	ENT 325	**Entrepreneurship** Social Entrepreneurships	3	ENT 101	GENED
	CHE 490 or CHE 499	Senior Research Project or Thesis Project (4, 4: two semester course)	4	4th yr. standing	TECHNICAL
	PCE 410	Oil Spill & Gas Flaring: Effects & Control	3	4th yr. standing	TECHNICAL
	CHE 340	Inorganic Chemistry	4	CHE 121	CORE
	XXX xxx	Refer to the catalog.	3	Refer to the course description.	CONCENTRATION
Total			**20**		

Semester	Course Code	Course Title	Credit Hours	Prerequisite	Requirement
8	PHI 300	**Arts & Humanities** Ethics & Leadership	3	min. 3rd yr. standing	GENED
	PCE 311	Natural Gas	3	CHE 210	TECHNICAL
	PCE 416	Coal & Oil Shale Chemistry	3	min. 3rd yr. standing & PCE 321	TECHNICAL
	PCE 421	Electrochemistry & Corrosion Chemistry	3	CHE 220	TECHNICAL
	XXX xxx	See you program chair.	3	Refer to course description	FREE ELECTIVE
	CHE 499	Thesis Project	4	4th yr. standing	TECHNICAL
Total			**15/19**		

COURSE DESCRIPTIONS

ANTHROPOLOGY

ANT 101: Introduction to General Anthropology (3) is the study of human life in all its aspects. It is generally divided in four sub-disciplines, all related in their aim to provide a better understanding of the human condition: 1) Physical/Biological Anthropology; 2) Archaeology; 3) Cultural Anthropology, and 4) Linguistics. This course introduces those major areas of anthropology, and the methods and concepts anthropologists use to study human beings. **Prerequisite: none.**

ANT 201: Introduction to Cultural Anthropology (3) focuses on the cultural sub-discipline of Anthropology. Its objective is to introduce students to human cultural diversity and to the methods and concepts anthropologists use to study human societies and cultures. It also examines the temporal, geographic, adaptive, and social diversity of humanity as well as the interaction between culture and human biology. **Prerequisite: none.**

ARABIC

Arabic 101: Basic Arabic (3)
introduces participants to the four basic skills of listening (understanding), speaking, reading, and writing in Arabic. The course offers learners the opportunity to learn and practice the 4 basic skills in real life situations and domains of language use such as in the home, at school, in the office, in the marketplace, etc. **Prerequisite: none.**

FIRST YEAR EXPERIENCE (FYE)

AUN 101 FIRST YEAR EXPERIENCE (3) This Course is made up of in-class interactions and workshops. The course is based on specific topics each week. The course is an introduction to an American style of education and AUN philosophy with a specific focus on academic success, campus involvement and community engagement. Students will discuss issues of value and behavior in the University setting, discover what resources are available to them, and learn what it means to integrate themselves into the campus and surrounding communities.
Prerequisite: none.

AUN 300 CRITICAL THINKING AND PROBLEM SOLVING. (3) It is an introduction to the theory and techniques of logic with emphasis on formal logic, including methods of deductive proof. Topics may include categorical and inductive logic, identifying arguments, identifying types of definition as well as other aspects of informal logic, fallacy detection and critical thinking. **Prerequisite: None**

BIOLOGY

BIO 101 Exploring Life. (4: 3 lectures, 1 lab)
Biology for the non-science major. Learn about cells, the basic unit of life, and how those cells perpetuate your genes into the next generation. Learn about your body, how it works and what happens to you when your body doesn't work well. Learn about the plants and animals around you and how they impact your life. Hands-on learning in weekly labs reinforces classroom topics. NES majors may not use this course for their majors credits. **Prerequisite: none.**

BIO 102 Human Biology (4: 3 lectures, 1 lab)
This is primarily for students who are not science majors but who would like to learn more about the normal anatomy and physiology of the human body and the mechanisms and effects of disease. **Prerequisite: none.**

BIO 103 Essentials of Nutrition (3) introduces students to the biological composition and functions of nutritional substances, including how they are obtained and processed by biological systems. Students also learn how to analyze and properly plan for changing nutritional requirements during different stages of human development and levels of physical activity, how environmental and hereditary factors can lead to nutritional problems, and how these problems can be treated and/or alleviated. **Prerequisites: None.**

BIO 104 Health and Disease in Africa (3) introduces students to major medical issues in Africa involving those caused by microorganisms, inheritance, and poor nutrition that affect public policy and the economy. **Prerequisite: none.**

BIO 120 Introduction to Biology I (4: 3 lectures, 1 lab) explores the structure and function of biological molecules, the composition, diversity, and development of cell types, plus an introduction to classical and molecular genetics. Through lectures, group exercises, labs and writing exercises, students gain an understanding of how molecules and cells dictate the fundamental unity and diversity of life. This course is intended for science majors who are interested in pursuing a biology-related career. This course is a prerequisite for most high-level biology courses; it is recommended that you take this course within your first two semesters. **Prerequisite: none.**

BIO 121 Introduction to Biology II (**4: 3 lectures, 1 lab)** explores how biological populations emerge and interact with each other and the environment. Topics include basic organism physiology and classification, population dynamics, micro and macroevolution, and properties of ecosystems. Through lectures, group exercises, labs, and writing exercises, students gain an understanding of the variables that shape biological populations. This course is a prerequisite for most high-level biology courses; it is recommended that you take this course within your first three semesters. **Prerequisite: BIO 120.**

BIO 205 Animal Form & Function (4: 3 lectures, 1 lab) This is an introductory zoology course which explores the structure and function of animals. Students will learn how tissues are organized in animals and how various organs systems function. Students will also learn about animal reproduction and development. This course is a good introduction to higher level biology courses especially BIO 320 Anatomy and Physiology (4) and will take the place of BIO 105 Introduction to Zoology (4) on your course audit sheets. **Prerequisite: BIO 121**.

BIO 206 Applied Botany (4: 3 lectures, 1 lab)
Learn plant anatomy, from cells to tissues to organs; plant physiology from photosynthesis to transport; plant genetics from Mendel to genomics; plant ecology and agriculture. Learn how important plants are to human society and to all other life on earth. Laboratory sessions are designed to complement what is learned in the class. **Prerequisite: BIO 121.**

BIO 210 Communicating in the Sciences (3) is an introductory course that covers the fundamentals of science-based research and communication. Research, and written and oral communication skills are critical elements in the professional development of scientists in the biomedical and environmental fields. This course provides students direction for critically thinking about and assessing the scientific literature, as well as enhancing their science-writing skills. Topics covered include literature types, literature

searches and reviews, format and content of scientific papers, citations, science writing, and presenting data graphically. **Prerequisite: WRI 102.**

BIO 220 Animal Behavior (3) provides a general overview of the history, philosophy, and methods of ethology; causation, ontogeny, function, and evolution of behavior; orientation and navigation; and sociobiology. Students will conduct a field study on a selected topic of animal behavior such as foraging, parental care, or communication. **Prerequisites: BIO 121 and NES 202.**

BIO 230 Molecular Genetics (4: 3 lectures, 1 lab) explores the details and functions of DNA and RNA. Topics include the various ways in which genes are organized, the in-depth mechanisms and regulation of DNA replication, RNA transcription, and protein translation, the effects of mutations on these systems, and recent discoveries / technological advances in the field. **Prerequisite: BIO 121.**

BIO 240 Microbiology and Immunology (4: 3 lectures, 1 lab)
Introduction to the world of microbes: bacteria, archaea, fungi, algae, and protists. Learn their structures, their physiology, and their roles in health and disease. Special attention is placed on diseases common to Africa. Explore the human immune system that protects us from harmful pathogens: what it is, how it works, and what happens to us when it doesn't work. Laboratories allow hands-on exposure to microbes and practice with aseptic techniques. **Prerequisites: BIO 121 and CHE 121.**

BIO 250 Global Health (3) is an introduction to the language of global health: the burden of disease, epidemiology, cost effectiveness, and health systems. It will then analyze the rationale for and modes of intervention to improve global health by exploring several high-profile topics. These include HIV/AIDS pandemics, Ebola pandemics, SARS pandemics, cholera epidemics, malaria; case management of epidemics and pandemics, non-communicable diseases, cancer, heart disease, diabetes; access to pharmaceuticals, development of vaccines, vaccine trials and bioethics of medical therapies, human resources for health, corruption, health reform, and maternal and child health. **Prerequisite: BIO 121.**

BIO 320 Human Anatomy and Physiology (4: 3 lectures, 1 lab) is an in-depth knowledge of gross anatomy and the physiology of major organ systems. Common diseases related to each body system will also be studied in brief. **Prerequisites: BIO 205 and CHE 120.**

BIO 350 Introduction to Public Health (3) highlights the major disciplines of public health in Africa and the world at large: Epidemiology, health services, occupational health, medical ethics and bioethics, health economics, public health policies and social research. The three main focal points of this course will be Environment and Health, Health Promotion, and Health Services Management. This course will prepare public health and medical professionals to take up effective leadership positions in the government, the community and in both governmental and non-governmental health and medical institutions locally, nationally, and internationally. **Prerequisite: BIO 121.**

BIO 360 Cell and Developmental Biology (4: 3 lectures, 1 lab) provides an in-depth exploration of cell types and their behaviors. Topics will include sub cellular architectures and functions, how cells respond to their environments, the mechanisms by which cells organize into specialized biological systems, and the effects of mutations on these systems. This course is intended for science majors who are interested in pursuing a biology-related career. **Prerequisite BIO 121.**

BIO 380 Introduction to Biotechnology (3) surveys current applications of molecular biology in business and industry. Topics will include formation and testing of genetically modified crops, drug design, high-throughput synthesis and testing of drug candidates and other contemporary industrial methods using the biological sciences. **Prerequisite: BIO 360.**

BIO 390 Introduction to Bioinformatics (3) teaches students to use computational methods to analyze genomic sequences. The public DNA sequence data banks and associated analysis methods available on the Internet will be used. Among the methods studied will be sequence comparisons, gene identification, RNA secondary structure prediction, and phylogenetic analysis. An introduction of the Linux operating system will be included. **Prerequisites: BIO 230**

BIO 410 Structural Biology and Modeling (3) presents contemporary methods in determining the structure of biological molecules, including X-ray diffraction, crystallography, NMR, mass spectroscopy and computational modeling. The application of these methods to the determination of protein structure and function will be emphasized. **Prerequisite: CHE 350.**

BIO 420 Human Genetics (3) designs for students who are interested in genetic counseling, medical genetics, and health science. Topics range from the molecular basis of heritance and molecular biology to genetic testing. The human genetics course focuses on the basic science as well as clinical applications of human genetics. The latest techniques used in genetic testing and screening will also be covered. Students who take this course should be able to explain the molecular and biochemical basis for a wide range of human genetic diseases. **Prerequisite: BIO 121.**

BIO 425 Molecular Genetics and Biotechnology Seminar (1) offers a current perspective on a special topic within Molecular Genetics and Biotechnology. Topics will vary, and the course may be repeated with permission of the instructor. **Prerequisites: BIO 230 and BIO 240 and third year standing**.

BIO 430 Special Topics in Biomedical Sciences. (3) or (4: 3 lectures, 1 lab) offers a current perspective on a special topic within biomedical sciences. Topics will vary, and the course may be repeated with permission of the instructor. **Prerequisites: Permission of the Instructor and third year standing**

BIO 450 Introduction to Epidemiology (3) is an introduction to principles and methods for investigating infectious and noninfectious disease within human populations, contributing to an understanding of etiologic factors, modes of transmission, and pathogenesis.
Prerequisites: BIO 250, STA 305.

BIO 460 Model Organisms in Biomedical Research (3) explores how evolutionary conservation in genetic information impacts human health. Topics include the unique histories, fundamental biological properties, and specific research applications of organisms commonly studied in biological research. This course involves critical analysis of primary research articles. **Prerequisites: BIO 240 and BIO 360.**

BIO 490/NES 490: Senior Research I is the first part of a two-semester Senior Research Project. This course emphasizes the skills required to design and successfully perform research projects, including topic selection, research design, method development, sampling, managing ethical issues, data processing and analysis, and the reporting of findings. Students will learn about and apply techniques and equipment used in both laboratory and social research in the fields of environmental and biomedical sciences. By the course end, students will have developed a research proposal (i.e., complete the Introduction and Methods sections of their theses), in which

they present a final project in preparation for conducting their own field/laboratory work in Part II of the Senior Research Project. **Prerequisites: BIO 121, BIO 210, STA 101 and third year standing.**

BIO 491/NES 491: Senior Research Project II is the second part of a two-semester Senior Research Project. This course builds upon the research proposal written in NES 490 or BIO 490. In this course students will conduct the field/laboratory work which they proposed in the previous course, analyze their data, and write up the results (i.e., complete the Results, Discussion, and Conclusion sections of their theses). This is an exciting opportunity for students to conduct original research under the supervision of faculty members. By the end of this course, students will have completed their research project, which they will present in written and oral form to the department. **Prerequisites: BIO 490 or NES 490 and STA 305**

BIO 492 Independent Study in Biomedical Sciences (1-6) provides an opportunity for a contracted independent study. Independent study includes library and/or laboratory research. Note a maximum of 3 credits may be applied to major's credits. An additional 3 credits (if taken) may be applied to General Education Free Electives. **Prerequisites: Permission of the Instructor, third year standing and CGPA ≥ 2.0**.

BIO 493 Internship in Biomedical Sciences (1-6) is supervised internship and experience in any aspect of biomedical sciences. This may take place in a laboratory, health facility, or other institution outside the University under the supervision of experts in relevant fields. A report and presentation is required. Note a maximum of 3 credits may be applied to major's credits. An additional 3 credits (if taken) may be applied to General Education Free Electives. **Prerequisites: Approved internship application, third year standing and CGPA ≥ 2.0.**

COMMUNITY DEVELOPMENT (CDV)

CDV 101: Community Service Development. This course combines academic learning with community service at an introductory level. We will collaborate in one of AUN's community development projects, STELLAR (Students Empowered through Language, Literacy and Arithmetic). In this course we still confront some of the major challenges facing the Nigerian primary education system today and spend most of our time working on-site in a primary school to set up and deliver an after-school tutoring program. We will also develop educational resources and collect and track data. **Prerequisite: None**

CDV 102: Community Development using Information Communication Technology and Financial Literacy. Financial literacy among individuals results in more stable communities and improved financial literacy, particular in life, results in a higher standards of living over the long term, including retirement, this course will get students to particularly understand the strong interconnection between financial illiteracy and poverty which include researching sustainable financial options and creating community learning network opportunities that will assist the abject poor in the community to make sound financial decisions. This course requires students to use knowledge gained in the classroom combined with indigenous knowledge systems to affect meaningful change in the community through training, capacity building, skills transfer, advocacy, and other interventions. **Prerequisite: None**

CDV 108: Financial Literacy. This course helps students to understand the strong interconnection between financial illiteracy and poverty. Students will research sustainable financial options and create community learning network opportunities that will assist the abject

poor in the community to make sound financial decisions. This course expects students to make meaningful change in the community through training, capacity building, skills transfer, advocacy, and other interventions. **Prerequisite: None**

Connected AUN/AI Project - MDYRP (GIZ)

CDV 203: Education in Emergencies. Education is critical to emergency response. During conflicts and natural disasters, children need continuous access to quality education in a safe environment. However, this has not always been the case. This Community Development Course is designed to give students conceptual and technical knowledge and practical experience on how to provide safe and high-quality education in emergencies. **Prerequisite: None**

Connected AUN/AI Project - SENSE (USAID), Feed and Read

CDV 204: Transmedia Storytelling for Social Change. In this exciting course, students learn how to tell compelling stories across multiple traditional and digital platforms for social change. Students develop a deep understanding of how to tell stories that demand and captivate attention within humanitarian and development contexts. **Prerequisite: None**

Connected AUN/AI Project - MDYRP GIZ), Feed and Read

CDV 205: Data for Development. This Course provides students with the opportunity to use statistics as a tool for understanding and measuring development interventions. The course uses appropriate statistical methodology to make sense of development data in a practical way. **Prerequisite: None**

Connected AUN/AI Project - SENSE(USAID), MDYRP (GIZ), CSO Capacity Building, Feed and Read

CDV 206 Peace Through Arts (3) introduces students to the concepts of community service, citizenship, and critical reflection through applied arts as an interdisciplinary service project to the community. Students will serve AUN's immediate community by using art as the medium for supporting and promoting peaceful dialogue and co-existence. The target community members will be the youth. This course integrates classroom knowledge, applied art and community outreach. **Prerequisite: None**

CDV 207: Environmental Sustainability. This course explores and implements promising and pertinent strategies to help communities in Jimeta/Yola to find sustainable solutions to some of their most common environmental problems. As climate change is now ever more apparent it is imperative that those communities that are developing do so in a sustainable manner, in order to help mitigate the effects of climate change and be better prepared for the challenges that lie ahead.

Through in-class lessons, reading and on-line materials, research and hands-on field experience, students will understand the challenges and opportunities presented in the community. Students will learn how to engage with stakeholders and develop large-scale plans for a variety of challenges: waste, water, energy, pollution, and agriculture. Students will visit different sites to understand the problem better and help them design sustainable solutions and strategies. Students will matriculate from the course with strong resume entries describing their exceptional capacity and service; more importantly, they will have bettered the lives of the people today and for the future generations. **Prerequisite: None**

CDV 208 Financial Literacy (3). Financial literacy results in more stable communities while improved financial literacy, particularly early in life, results in a higher standard of living over the long term, including retirement. This course will

help students to understand the strong interconnection between financial illiteracy and poverty. This course includes researching sustainable financial options and creating community learning network opportunities that will assist the abject poor in the community to make sound financial decisions. This course requires students to use knowledge gained in the classroom combined with indigenous knowledge systems to affect meaningful change in the community through training, capacity building, skills transfer, advocacy, and other interventions. **Prerequisite: None**

CDV 210 Community Health. The community health course addresses major health and environmental concerns mainly at the grassroots level. Field work will be an integral part of the course and issues addressing health issues at the community level. Students will learn how to design and develop health projects and will apply these in the various communities in Adamawa. **Prerequisite: None**

CDV 211 Law and Justice in Development (3) essentially seeks to promote the knowledge and the understanding of the Nigerian legal system vis-a-vis vulnerable groups and the socio-economic challenges for law in a developmental state. The course will adopt a proactive initiative by sensitizing students to the plight of the marginalized and vulnerable groups in society as well as how the law could become a tool for the protection and promotion of the rights of such groups of persons. **Prerequisite: None.**
Connected AUN/AI Project - MDYRP (GIZ), CSO Capacity Building

CDV 212 Security and Development. This CDV course explores the factors that fuel conflicts in our society and what can drive long-term positive change. It explores the long-term causes of insecurity and the pathways to sustainable development and a peaceful future. **Prerequisite: None**
Connected AUN/AI Project - SENSE, IDP Livelihoods (UNHCR)

CDV 213 Social Innovations and Social Entrepreneurship. This course introduces students to social innovation and social entrepreneurship. We look to inspire and educate students about the core tenets of Social Innovation and Social Entrepreneurship. We examine key concepts including social mission, social innovation, social entrepreneurship, and social value, and consider the historical perspective of the field to inform our current understanding of social change. The class introduces students to concepts, strategies, and approaches to social change. We consider the necessary skills required of social entrepreneurs and others working to make a change in communities around the world. **Prerequisite: None.**
Connected AUN/AI Project - MDYRP (GIZ), CSO Capacity Building

CDV 214 Sustainable Agriculture. This course equips students with specialized knowledge and practical skills in sustainable systems of agriculture. Students learn practical ways to produce healthy, nutritious, and affordable food and a profitable income for farm workers without negatively affecting the environment.
Prerequisite: None
Connected AUN/AI Project - MDYRP (GIZ)

CHEMISTRY

CHE 101 Introduction to Chemistry (4:3 lecture, 1 lab) introduces students to several of today's real-world issues that have a significant chemical context such as air quality and pollution; protecting the ozone layer; global warming; energy, chemistry, and society; neutralizing the

threat of acid rain; petroleum to petrochemicals to plastics. This course is intended to fulfill General Education requirements to help students to become well-informed citizens no matter what career path they may choose, and to prepare students for CHE 120 and other sciences courses. **Prerequisite: none**

CHE 120 General Chemistry I (4: 3 lectures, 1 lab) introduces matter and measurements; atoms, molecules, and ions; stoichiometry; electronic structure of atoms; periodic properties of the elements; basic concepts of chemical bonding; molecular geometry and bonding theories; gases; intermolecular forces; aqueous reactions and solution; thermochemistry. **Prerequisite: CHE 101 or University Placement Test.**

CHE 121 General Chemistry II (4: 3 lectures, 1 lab) introduces modern materials; properties of solutions; chemical kinetics and equilibrium; acid-base equilibria; thermodynamics; chemistry of the non-metals; metals and metallurgy; electrochemistry; chemistry of coordination compounds; the chemistry of life: organic and biological chemistry. **Prerequisite: CHE 120.**

CHE 210 Organic Chemistry I (4: 3 lectures, 1 lab) provides an introduction to organic chemistry; nomenclature, isomerism, methods of preparation, physical properties; reactions and mechanisms; alkanes, alkenes, alkynes, nucleophilic substitution and elimination reactions of alkyl halides, alcohols, and ethers, epoxides and radical reactions. **Prerequisite: CHE 121.**

CHE 211 Organic Chemistry II (4: 3 lectures, 1 lab) provides multi-step syntheses of organic compounds; aldehydes, ketones, carboxylic acids, esters, amine, reaction mechanisms, and rearrangements reactions of organic substances, petroleum-based aromatic compounds; carbon-carbon bond formation reactions and synthesis of polymer; qualitative organic analysis; spectroscopic identification techniques: IR, UV, NMR and MS. **Prerequisite: CHE 210.**

CHE 220 Physical Chemistry I (4: 3 lectures, 1 lab) covers real and ideal gases; the first law of thermodynamics; thermo-chemistry; second law of thermodynamics; entropy and free energy; third law of thermodynamics; chemical potential; phase equilibrium; solutions; chemical equilibrium; complex reactions; kinetics; rates of chemical reactions. **Prerequisites: CHE 121 and MAT 210**

CHE 221 Industrial Chemical Processes (3) is an introduction to industrial chemical processes, and the structure of the chemical industry. It includes the production of primary intermediates and industrial processes for the production of organic chemicals such as polymers, adhesives, dyes, insecticides, pesticides, herbicides, flavoring agents and pharmaceuticals; introduction to industrial fermentation processes; chemical processing of minerals; metallurgy and metallurgical processes; the production of non-ferrous metals and alloys; aluminum smelting; production of some heavy inorganic chemicals (sulphuric acid, sodium carbonate, sodium bicarbonate, sodium hydroxide etc.) and a survey of inorganic chemical industries and their products in Nigeria. **Prerequisite: CHE 121**

CHE 300 Oil & Gas Law (3) introduces the basic laws that regulate the petroleum industry in Nigeria. Topics include history of petroleum in Nigeria, legal perspective of petroleum, laws regulating petroleum in Nigeria, ownership of petroleum, concessionary rights, and obligations under the petroleum act, NNPC and the major joint venture agreements in the petroleum industry, taxation in the industry and the regulator bodies in the petroleum industry. **Prerequisite: CHE 210.**

CHE 322 Environmental Chemistry (3) (cross listed with NES 430). Concept of elementary cycles. Characteristics of the atmosphere. Sources, types, effects, and control of environmental pollution. Wastewater treatment. Composition of domestic waste (handling solid waste); waste recycling. Water chemistry and analysis. Chemical and physical instrumentation in environmental sciences. Global warming: its sources, effects, and remedies. Green Chemistry: principles and concept of green chemistry, atom economic and non-economic reactions, reducing toxicity, a few examples of environmentally friendly reactions, and reaction media. **Prerequisites: CHE 121**

CHE 323 Chemical Kinetics and Thermodynamics (3) explores elements of physical chemistry from a macroscopic point of view, thermodynamics, and its applications to chemical equilibrium, phase equilibrium, chemical kinetics, and reaction rate theory. **Prerequisite: CHE 220.**

CHE 324 Industrial Chemical Technology (3). Processes and processes variables. Material balances: the flowsheet, general balance equation; material techniques; material unit balances; chemical reactions. Energy balances: energy balance equations; energy balance techniques. Fluid flow: types of fluid, flow regimes, balance equations, flow in pipes. Heat transfer: mechanism, heat exchangers. Separation processes: characteristics; phase equilibria; fundamental concept and practical techniques for solving problems relating to equilibrium stage processes; mixing and agitation; crystallization, filtration and drying; grinding and sieving; binary distillation, solvent extraction, solid-liquid extraction; leaching and liquid-liquid extraction. Process development for large scale production; technical and economic principles of processes and product routes. Cost calculations. Methods of storing materials; transport of liquids and gases; equipment for mass transfer. An introduction to the scope of different types of equipment used in the chemical industry: distillation columns, extractors, pumps, mills, mixers and agitators, dryers, and crystallizers. Reactors: types; characteristics & choice; advantages and disadvantages; selection for catalysts. Dialysis; reverse osmosis; electrodialysis. Process control: objectives; the control loop; measuring devices; the controller; computer control. Case studies: the cases chosen should emphasize process and product development in the Nigerian chemical industry. **Prerequisite: CHE 221**

CHE 330, Analytical Chemistry (4: 3 lectures, 1 lab) provides a statistical treatment of analytical data, and the use of excel and other software packages in data treatment (e.g., spss and Minitab). Acid-base titration in aqueous and non-aqueous media; complexometric, precipitation and redox titrations; gravimetric analysis: nucleation and crystal growth, methodology, colloids. Introduction to separations in analytical chemistry. Radiochemical methods, Chromatography. **Prerequisites: CHE 121.**

CHE 331 Instrumental Methods of Analysis & Applied Spectroscopy (3). Provides electrochemical methods of analysis--voltametric, conductometric, electro gravimetric and potentiometric measurements; optical methods of analysis --study of electromagnetic spectrum; The principle and application of UV, IR, NMR and Mass spectroscopy technique in the determination and elucidation of structure of organic compounds and in particular petroleum product analysis; Beer's-Lambert law; luminescence, atomic spectroscopy and IR analysis, and chromatographic methods analysis [HPLC, GC, LC, etc.]. Characterization frequencies. NMR; Chemical Shift (1H and 13C), integrals, coupling patterns and coupling constant and their use, interpretation, and prediction of spectra. Mass Spectrometry; uses of EI and CI spectra, important fragmentation processes. **Prerequisite: CHE 330**

CHE 340, Inorganic Chemistry (4: 3 lecture, 1 lab) explores the chemistry of main group elements; review of physicochemical principles that govern the reactivity of main group elements, electronic structure and general properties and the comparative study of group IA and IIA elements, detailed treatment of the electronic structure of transition elements (d-block) and the relationship to their peculiar physicochemical properties, introduction to the lanthanides and the actinides, coordination compounds: structure, geometry, nomenclature and isomerism, simple treatment of crystal field theory, ligand field theory. **Prerequisite: CHE 121.**

CHE 350, Biochemistry (3): provides a survey of the chemical structures and activities of the biological macromolecules. Bioenergetics, enzyme kinetics and the major metabolic pathways are emphasized. **Prerequisites: BIO 121 and CHE 121.**

CHE 420 Physical Chemistry II (3). Introduction to biophysical chemistry; processes at solid surfaces, ionic equilibria, and molecules in motion. Introduction to photochemical reactions. Electrochemical cells: reactions in reversible cells, free energy and emf of reversible cells. Single electrode potential (Nernst equation), its measurement and sign convention. Standard electrode potential. Emf of reversible cells from electrode potential. Types of reversible electrodes. Application of emf measurements determination of ionic activities, pH, and equilibrium constant. Potentiometric titration. Concentration cells with and without transference. Liquid junction potential and its elimination. **Prerequisite: CHE 220.**

CHE 423 Quality Control & Industrial Safety (3). Sampling and sample treatment, preparation of standard solution, calibration, and standardization. Raw material analysis, production line inspection, sampling and analysis, final product sampling and analysis. Fire chemistry: fire triangle, tetrahedron and pentagon; classification of fire based on fuel type, firefighting, and mitigation. Toxic substances and poisonous gases, acute and chronic exposition, maximum working place concentration. Inflammable chemicals. Handling high pressure equipment. Protective clothing and sanitary amenities for employees. **Prerequisite: CHE 330**

CHE 450 Computational Chemistry (4: 3 lectures, 1 lab) provides an overview of computational chemistry techniques including molecular mechanics and Force Fields, molecular dynamics and simulations, density-functional theory, Hartree-Fock molecular orbital theory, semi-empirical and ab initio electronic structure theory. Sufficient theoretical background is provided for students to understand the uses and limitations of each technique. An integral part of the course is hands-on experience with state-of-the-art computational chemistry tools running on graphics workstations. **Prerequisite: CHE 220.**

CHE 490 Senior Research Project in Petroleum Science (4) provides the opportunity for students to conduct an individual research project pertinent to petroleum science under faculty supervision. A report is required. **Prerequisites: Permission of the program chair and fourth year standing.**

CHE 492 Independent Study (1-6)
Prerequisites: 2.0 CGPA or higher and third year standing.

CHE 499 Thesis Project in Petroleum Science (8) total credits: two (2) four (4) credit courses over two semesters) requires the completion of a research project in petroleum science and the preparation of a written thesis and oral presentation. **Prerequisites: Permission of Department Chair, CGPA minimum 2.0 or higher and fourth year standing.**

CIVILIZATION

CIV 101: African Civilization (3) traces the history of Africa from the birth of the human species to the present, considering the way various academic disciplines contribute to the body of knowledge about African history and development; highlighting key moments in African history that have shaped its present socio-political and economic context, and focusing on North and West Africa. **Prerequisite: none.**

CIV 102 Western Civilization (3) Emphasis on conceptual approach to intellectual, cultural, political, economic, social, and technological issues that have formed the spirit of the various ages from ancient Greece to the present. Team taught by instructors from a variety of disciplines. **Prerequisite: none**

CIV 111 African Civilization: Special Topics (3) focuses on special topics related to African civilization and the development of its societies, cultures, and institutions and the forces that have shaped that development. Topics vary. **Prerequisite: none.**

CIV 112 Western Civilization: Special Topics (3) focuses on special topics related to western civilization and the development of its societies, cultures, and institutions and the forces that have shaped that development. Topics vary. **Prerequisite: none.**

CIV 201 Middle Eastern and Asian Civilization (3) traces the development of societies in the Middle East and in Asia and focuses on key events and movements in the history of these areas. **Prerequisite: fourth year standing.**

CIV 211 Middle Eastern and Asian Civilization: Special Topics (3) focuses on special topics related to Middle Eastern and Asian civilization and the development of its societies, cultures, and institutions and the forces that shaped that development. Topics vary. **Prerequisite: visit the program chair for more details.**

COMMUNICATIONS AND MULTIMEDIA DESIGN

CMD 110 Introduction to Communication Studies (3) is about the consideration of mass communication as a sub-type of human communication. It is also an overview of the progress, models, and elements of communication; a survey of the mass media, including their adjuncts, and examines the characteristics, functions, contents, operations, and impact of the mass media as well as national mass media systems and mass communication between/across nations**. Prerequisite: none.**

CMD 115 Basic Photography & Videography (3) explores the basics of photographic and videography skills and some of the issues associated with the history and practice of moving and still images. The course covers various elements of camera operations. Selecting suitable subjects for photographic projects is also explored. **Prerequisite: none.**

CMD 120 Writing for the Mass Media (3) Instruction and practice in writing for the mass communication media with the major emphasis on development of the journalistic style and proficiency in grammar and the use of language. **Prerequisite: WRI 101.**

CMD 122 Principles of Multimedia Designs (3) introduces the principles, conceptual and critical skills, and techniques of multimedia designs. Students learn to observe the world critically and to analyze both broad structures and small details of visual phenomena. Students are challenged to master the skills needed to communicate their observation through traditional means (drawing, painting) as well as through digital media. **Prerequisite: none.**

CMD 125 Introduction to Visual Culture (3) explores the visual concepts designed to celebrate, sell or represent reality. Students study the various forms and history of visual communications (including art & culture) to understand the broad spectrum of visual creativity that permeates contemporary life. The course explores visual cultures ranging from history and theory of painting and sculpture to print, photography, film, advertising, and fashion. **Prerequisite: none.**

CMD 207 Peace Journalism (3) This course introduces the student to the concept and practice of peace journalism defined generally as when editors and reporters make choices - of what to report, and how to report it - that create opportunities for society at large to consider and value non-violent responses to conflict. The course also explores ethical issues in peace journalism. **Prerequisite: CMD 110.**

CMD 211 Globalization, Development & the Media (3) examines the theories and concepts of globalization and development as they relate to communication and society. At the core of the course are strategies for planning and diffusion of development interventions. The course undertakes a comprehensive and critical account of the theoretical changes in communications studies from the early theories of development communication through to the contemporary critiques of globalization. **Prerequisite: none.**

CMD 212 Principles of Public Relations & Advertising (3) introduces students to Public Relations while the second introduces Advertising. The first part explores concepts, theories, and practices of Public Relations and Public Affairs; the importance of Public Relations in either profit or non-profit organizations; Principles of effective writing in public relations; Practice of the styles of writing news releases, brochures, position papers, speeches, etc. It also includes the analysis of ways and means of establishing and maintaining rapport and credibility with media gatekeepers. The second part of the course examines the structure of advertising messages, how they are adapted to specific audiences, and the social settings in which they occur. Issues of Internet advertising and e-commerce will be explored. The preparation of advertising media plan: analysis of the various media in terms of target audience reach and the frequency of reach will be considered. **Prerequisite: CMD 110.**

CMD 213 Principles of Journalism (3) introduces students to the basic principles of journalism as it occurs in a variety of media forms. The history of journalism is discussed, from the penny press, yellow journalism and muckraking to modern responsible journalism and tabloid journalism. The class also discusses a variety of legal and ethical journalistic concerns. Writing techniques for newspapers, radio and television broadcast news are practiced. **Prerequisite: CMD 110.**

CMD 215 Descriptive and Illustrative Drawing (3) introduces students to the fundamental principles of observational and analytical drawing. Various approaches are explored through assignments to develop skills needed to effectively represent and communicate visual phenomena. A range of illustration media and techniques are explored to facilitate student's projects focusing on drawing from life, photo reference techniques and visualizing concepts and ideas for commercial illustrations. **Prerequisite: none.**

CMD 216 Broadcast Media Aesthetics (3) is an in-depth analysis and evaluation of the artistic, aesthetic elements and synergy in broadcast media production and distribution. The course will focus on helping students develop the analytical and critical skills required to appreciate and interpret visual media texts, by foregrounding the formal elements of film, video, television, and radio. Students will develop a vocabulary that will be used to explore the interplay of technical design, social influence, and cultural conventions

that shape human broadcast production and consumption experiences. Experiments in the manipulation of the aesthetic elements in documentaries, commercials, news, discussion programs, music videos, dramatic feature films, etc., are emphasized in this course. **Prerequisite: none.**

CMD 220 Intercultural Communications (3) explores the nature and patterns of relationships between communications, culture, and society both from historical and contemporary perspectives. The course sees communications primarily as contact between cultures. It studies the barriers to intercultural communications and the ways and means of transcending such barriers. The course draws on relevant theories and practical sessions to inspire students to communicate across cultural, ethnic, racial, religious, and social barriers. **Prerequisite: none.**

CMD 223 Foundations of Broadcasting (3) is an overview of the physical, technical, and societal bases of radio and television broadcasting. It relates the laws of nature that make broadcasting possible, as well as the scientists who exploited them; describes the individual items or equipment used in radio and television and surveys the diverse environment of broadcasting stations and networks. **Prerequisite: CMD 110.**

CMD 224 Online/Digital Reporting (3) is a course focused on students' knowledge and application of the basic skills of generating, gathering, and reporting news events on such platforms as blogs, social media, real time reporting platforms, audio/video storytelling and other web application services. **Prerequisite: CMD 120.**

CMD 225 Business Communications (3) is a course that explores the fundamentals of communications in business settings. It explores business communication forms including memos, reports, proposals, business plans, case studies, and various other forms of communications in business and organizational settings. It draws on the core principles and models of communication and applies them to business settings. **Prerequisite: WRI 101.**

CMD 226 Design Studio (3) introduces the broad field of graphic design. This design-based course involves the application of design principles to graphic forms. **Prerequisite: none.**

CMD 228 Newswriting and Reporting (3) is a practical course designed to enable students to become proficient in preparing a publishable copy under deadline. Students are assigned beats, primarily on campus, to develop stories for publication and encouraged to submit outstanding articles to the local news media. The course examines various definitions of news as well as the structure of the news story and other journalistic forms. **Prerequisite: WRI 101.**

CMD 302 Research in Communication Studies (3) introduces students to social science research methods within a mass communication context. It emphasizes the scientific method and surveys basic concepts of theoretical and empirical research. It also covers a variety of methodologies, elementary statistics, and criteria for adequate research. **Prerequisite: second year standing.**

CMD 303 Photojournalism (3) is a practical introduction to news photography featuring solid grounding in basic camera techniques but placing emphasis on the development of the emerging photojournalist's sensitivity to visual narratives. The course explores situations where the photojournalist will be expected to capture images that tell compelling stories. The course also explores historical cases showcasing iconic images and the elements that made them so. Students will be expected to develop and maintain their own portfolios. **Prerequisite: CMD 213.**

CMD 311 User Experience and User Interface Design (3) This project-based course is for

students who have a strong interest in design. It draws on relevant theories in user experience to teach students how to design a highly engaging user interface. It takes students through user experience research and design, how to outline the visual concept and how to create a style guide. Students will be expected to work towards developing their own mock-ups. **Prerequisite: none.**

CMD 313 Media Law and Ethics (3) studies the national and international legal and ethical frameworks that guide media operations – both traditional (mainstream) media and new (online) media. It explores debates on the rights, privileges, restraints, and regulations (including self-regulation) affecting the mass media. It also explores often contentious debates on privacy and the rights of the media to offend. Freedom of Information, laws of libel, sedition, privacy, contempt, obscenity, copyright, and government regulation are also explored. Attention is given to ethics of the journalism profession. **Prerequisite: None.**

CMD 316 Public Speaking and Event Management (3) introduces students to the art of public speaking, speech writing, oral debate, and argument. Students gain confidence as public speakers by learning the techniques of making effective presentations and by gaining extensive practice in public speaking and in speech writing. The course also explores fundamentals of organizing and managing high profile events. **Prerequisite: none.**

CMD 319 Announcing and Performance (3) covers the major aspects of radio, television, and new media delivery processes through the effective use of relevant media and technology. Essential techniques to be acquired by students include the understanding and usage of broadcast terminology, writing for radio and television, broadcast delivery through voicing and announcing, and the application of performance techniques to the practice of media delivery. It explores the fundamentals of on-camera and microphone techniques and performance types such as reality shows, acting, straight announcing, disc jockeying, news reporting, interviewing, and narrating commercials, and documentaries. **Prerequisite: None.**

CMD 322 Website and Mobile Applications Design (3) is a practical course that teaches students how to design interactive websites and mobile apps for smart mobile technologies. It explores the core principles in design and user experience. **Prerequisite: None.**

CMD 323 Advertising Creative Strategies (3) This course focuses on the theory and practice of writing effective advertising messages, for print and broadcast media. It explores the creative application of consumer and market surveys, copy testing methods, etc. **Prerequisite: CMD 212.**

CMD 324 Editorial and Critical Writing (3) This course teaches students how to write editorials and opinion columns with particular emphasis on analysis and interpretation of events, policies and/ or issues. It teaches the basics of writing editorials, op-eds, and columns, including analyzing arguments, generating ideas, researching supporting data, assessing, and engaging the audience, structuring the article, writing concisely, controlling style voice and tone appropriate to subject matter and audience, and writing to meet deadlines. Students will be expected to maintain their own column or blog throughout the course. **Prerequisite: CMD 120.**

CMD 325 News Editing and Production (3) is a practical course that explores the editing and production of news. It focuses on editing texts, visuals and graphics for the print, digital and broadcast media. **Prerequisite: CMD 110.**

CMD 326 Radio, Film and TV Production (3) This course teaches students how to produce modern content for Radio and TV. The course is designed to be a survey and evaluation of the pioneers of the documentary form. It also includes analysis of the creative, political, anthropological, and journalistic environment of the documentary, design, pre-production planning, intensive fieldwork, production, and subsequent evaluation of individual documentary projects. **Prerequisite: CMD 220.**

CMD 327 Digital Animation (3) This course explores computer modeling and animation. It surveys the theory, history, and practice involved with creating quality modeling for print media, and modeling and animation for time-based audio-visual media. **Prerequisite: CMD 110 and CMD 122.**

CMD 328 Multimedia Graphics Design (3) This course focuses on the use of state-of-the-art software in generating aesthetically and communicative lettering techniques for media production and reproduction. It also exposes students to the functions of visual communication in news, advertising, publishing, and electronic media. **Prerequisites: CMD 122 and CMD 226.**

CMD 331 Film and Video Editing (3) This course explores the history, theory and practice of film and video editing. Using a theoretical and hands-on approach, this advanced course is designed to expose students to dramatic narrative, documentary, and short form editing techniques, and to understand the role of the editor in shaping the final form of film or video. Students will be introduced to a variety of established theoretical concepts of film editing while encouraging them to explore and discover innovative approaches to the use of film language. To achieve this, the course will delve into the methods, objectives, aesthetic, and technical aspects of post-production. It will thoroughly explore four major non-linear editing programs (Final Cut Pro, Soundtrack Pro, Avid Media Composer, and Pro Tools) among other new tools, used in the contemporary digital postproduction environment, and acquaint the student with every stage of the editing workflow from capture to final output. **Prerequisite: CMD 223.**

CMD 333 Theories of Communication (3) This course studies the major theories in the field of communications and media studies. Starting from the seven traditions in communications studies, the course explores the functions of theories, application of theories and the core paradigmatic approaches to media studies. A key element in this course is a thorough discussion of the relationship between communication theories and communication research. **Prerequisite: CMD 110.**

CMD 400 Special Topics in Communications & Multimedia Design (3) offers a current perspective on a special topic within CMD. Topics will vary, and the course may be repeated with permission of the instructor. **Prerequisite: third year standing.**

CMD 412 Public Diplomacy (3) This course provides a comprehensive overview of public diplomacy, national image, and perception management from historical and contemporary perspectives. It covers efforts to foster pro-West sentiments during the Cold War, Post-9/11 campaigns to 'win the hearts and minds' of the Muslim world as well as more direct efforts of governments and international institutions to 'sell' their policies and programs abroad. It also explores elements and tools of cultural diplomacy. Drawing on relevant case studies, it explores how state and non-state actors assert their dominance and influence through persuasive and creative use of the cultural industries, the media, icons, etc. **Prerequisite: None.**

CMD 413 social media Dynamics (3) This course

emphasizes the identification and appropriate deployment of the varied social media platforms in generating, processing, and disseminating messages to the public. Students learn how to use social media for political and social change campaigns, strategic storytelling, and promotion of products, persons, and ideas. **Prerequisite: None.**

CMD 414 Management of Media Advertising Agencies/PR Consultancies (3) This senior level course seeks to equip students with the needed skill set to successfully manage an advertising agency and a PR consulting business. Drawing on practical cases, it examines why some agencies are successful while others aren't. It examines the social, political, and economic environment of Public Relations and Advertising practice in Nigeria and practical ways of securing and maintaining profitable retainerships. It explores systems of client relationship management. Essentially, the course seeks to develop the student's capability for analyzing complex social and business situations, taking strategic decisions, and making strong sales presentations. **Prerequisites: CMD 212 and CMD 223.**

CMD 416 Advertising and Public Relations Campaigns (3) This course focuses on the planning and execution of an advertising campaign: market and consumer research, development and allocation of advertising budget, selection of media, choice of advertising appeals, preparation, and production of advertisements. It focuses on various types of PR and advertising campaigns ranging from political advertising campaigns to issues and awareness campaigns. It also covers public service advertising campaigns. **Prerequisites: CMD 212 and CMD 213.**

CMD 417 Foreign Correspondence (3) The course explores the politics and economics of foreign correspondence and teaches skills that will enable the reporter to function effectively as a foreign correspondent within the context of a more interconnected world. It explores the technological tools, techniques, and systems of foreign correspondence. Case studies include an exploration of the workings and functions of some of the most successful international news agencies and international news organizations. Students in this course will work as part of an elite press corps to survey the international scene for an online agency. **Prerequisite: CMD 213.**

CMD 418 Specialized Reporting (3) This course is designed (i) to provide instruction in the techniques of reporting specialized subjects such as agriculture, medicine, aviation, religion, sports, labor, the courts, the arts, and the like; (ii) to expose students to the basic literature as well as outstanding examples of reporting of these issues. **Prerequisite: CMD 213.**

CMD 419 Web Broadcast Operations (3) This course explores the techniques and technologies of online broadcast and/or streaming of media contents. In this practical course, students use relevant low-budget (or free) applications to broadcast live events on the web. **Prerequisite: CMD 223.**

CMD 421 Media Relations (3) This course explores the ways and means of establishing and maintaining rapport and credibility with media gatekeepers for the interest of an organization. Drawing on relevant case studies it analyses the role of the media in the rise, fall, credibility or otherwise of organizations, public officials, and celebrities. **Prerequisites: CMD 212.**

CMD 424 Multimedia Authoring (3) This course explores the processing of textual, photographic, visual, and audio elements into multimedia products for strategic storytelling. It also explores theories and cultural effects of visual communication and new media. Students are encouraged to engage with and solve social

problems via multimedia platforms ranging from interactive websites, short videos that combine still images, videos, graphics, texts, animations, etc. **Prerequisites: CMD 122 and CMD 226.**

CMD 425 Feature Writing (3) Feature Writing teaches students how to plan, write and edit news features, personality profiles, issue-oriented articles, and human impact stories for the media. Emphasis is placed on narrative, descriptive, analytic and storytelling skills. One-on-one instructor-student conferences stress story building and revision techniques. **Prerequisite: CMD 120.**

CMD 432 Community Relations (3) This course examines contemporary community relations practices and how effective community relations can be an essential element in an overall public relations program. This course focuses on both 'traditional' and 'non-traditional' approaches and on case histories to demonstrate how to cope with or manage crises with an organizations' host communities and other local communities. **Prerequisites: CMD 212.**

CMD 435 TV/Film Directing (3) This course is an advanced effort by students to understand and practice the craft of film and television directing. Combining the theoretical and practical approaches, the course will engage students by adopting a step-by-step examination of the director's process and responsibilities. Emphasis will be placed on script, character, and scene analysis; performance, casting and rehearsal; design and visual style, camera placement and movement, narrative clarity, and editing. Students will be exposed to methods of developing meaningful dialogue with cinematographers, production designers, costume designers, technical directors, lighting directors, broadcast engineers, actors and talents, editors, sound designers, and producers in the creative process. The directorial styles of prominent film and television directors will be examined. Through lectures, screenings, practical projects and discussions, the course will offer students a comprehensive foundation for the director on which to build a rich creative experience. **Prerequisites: CMD 220 and CMD 326.**

CMD 443 Economic and Social Issues in Advertising and PR (3) This course explores the economic and social elements that influence historical and contemporary directions of PR and AD practices. It studies advertising and public relations as institutions, the laws and ethics governing the profession in Nigeria as compared with developed countries like USA and Britain; self-regulation by practitioners and professional association; consideration of social responsibility, truth and deception, consumerism etc. **Prerequisite: CMD 212.**

CMD 444 Cinematography (3) This course is a practical and theoretical introduction to the art and craft of motion picture photography. It is designed to explore the aesthetics, techniques, and technology of cinematography and how it is currently practiced in the television and motion picture industry. It will also examine the unique role of cinematographers and lighting directors and how they influence the result in the production process. Topics to be covered include the lighting approach and camera operation present in past and contemporary films and television; the style, aesthetics, and techniques of major genres and their distinguishing characteristics; the composition, movement, and framing; etc. **Prerequisite: CMD 220.**

CMD 447 Screenwriting (3) This course focuses on the screenplay and writer's thought process, including the basic nuts and bolts of screenplay construction and structure as it relates to the story and plot development. **Prerequisite: CMD 223.**

CMD 448 Integrated Marketing Communications (3) This course exposes students to the understanding of how several communications

approaches can be integrated and used for specific marketing communications purposes. It equips the students with an understanding of the strengths and weaknesses of each of the marketing communications approaches of public relations, advertising, customer relations, events and sponsorship, direct marketing, packaging, and sales promotion. **Prerequisites: CMD 212 and CMD 223.**

CMD 490 Senior Research Project (3) This is purely an applied research course which is expected to apply the knowledge acquired in research methods classes. The student is expected to work under a supervisor on an approved topic considered adequately relevant to his present or future vocational/professional interest and value to the society. **Prerequisite: Fourth year standing.**

CMD 492 Independent Study (1-6) Prerequisite: CGPA 2.0 or higher, and fourth year standing.

CMD 493 Communication/Multimedia Internship (3) This provides CMD students with a minimum of six weeks of on-the-job training. All required documentation must be submitted to the Office of the Registrar. **Prerequisite: third year standing.**

CMD 499 Senior Career Project (3) This is a practical capstone project. The student is expected to work under a supervisor to develop a full project relevant to the student's area of production. **Prerequisite: fourth year standing.**

ECONOMICS

ECO 101 Introduction to Economics (3)
An introduction to the various issues, the nature of economic science, the methodology of economics, major areas of specialization in economics, stressing historical development of ideas, major findings in the various areas of specialization, elementary principles of micro and macro-economics, current issues of interest and probable future developments Introduces basic principles of economics and their application in Nigeria. Topics include supply and demand, consumer and firm behavior, inflation, economic growth, and international trade. **Prerequisite: None.**

ECO 102 Introduction to Accounting (3)
The nature, scope and purpose of accounting. Basic financial statements. Accounting conventions. Theory and mechanics of double-entry book-keeping. Books of original entry. The cash book and the ledger, classification, recording and summary of business transactions. The revenue accounts and balance sheets of business concerns. The valuation of assets and measurement of business income. The interpretation of accounts; significant accounting ratios. Sources and application of funds statements. **Prerequisite: None.**

ECO 210 Principles of Microeconomics (3)
Micro-economic theory, problem of scarce resources and allocation of resources in product and factor markets with application to Nigerian and other economies, equilibrium concept, possibility of disequilibrium, partial equilibrium and general equilibrium analyses. Supply and demand theory, Cobweb theory, introductory dynamics. Consumer behaviour. General equilibrium of exchange. Production theory. Cost curves. Pricing and output under perfect competition, imperfect competition, monopoly and monopolistic competition. Pricing of production factors. The theory of comparative costs. **Prerequisite: MAT 110**

ECO 220 Principles of Macroeconomics (3)
Macro-economic theory, national income accounting, macro-economic aggregates, the

classical system, the Keynesian system, the monetarist system, domestic economic stabilisation, monetary and fiscal policies, price control and inflation. Introduces the basic principles of macroeconomics, stressing national income, unemployment, inflation, economic growth, business cycles and open economies. **Prerequisite: MAT 110 or ECO 101**

ECO 230 Introductory Mathematics for Economists (3)

The derivatives of trigonometric functions; sequences and series; expansions, and Taylor's theory. Mathematical analysis of basic theories of economics. Partial and tot

al derivatives. Differentials and difference equations. Applications of partial derivatives. Maxima and minima. Lagrange multiplier, Linear algebra. Matrix algebra. Inverse matrix. Simultaneous linear equations. Introduction to linear programming. Input – output analysis etc. **Prerequisites: MAT 112 and MAT 110.**

ECO 310 Intermediate Microeconomics (3)

More advanced and mathematical treatment of micro-economic theory with incorporation of linear programming advanced price and output determination under perfect competition, oligopoly, monopoly; exchange theory, offer curves, and contract curves; introduction to capital theory and types of production functions. Focuses on the theory of markets and prices: decision-making by individuals and firms, equilibrium conditions under various market structures, and issues of individual and social welfare. **Prerequisites: ECO 210 and ECO 220 and MAT 112**

ECO 312 Labor Economics (3)

Nature of labour problems in developing countries, labour force, definition and concepts, determinations of size and composition of labour force; concepts of unemployment; industrial and occupational distribution of labour force. The informal sector and the modern sector, labour market theories, economics of wage determination, features of the Nigerian labour market, manpower development. Introduces students to concepts in labor economics, including: labor supply and demand, taxes and transfers, minimum wages, human capital (education and health), migration, discrimination, inequality, and unemployment. **Prerequisites: ECO 101, ECO 210 and Third year standing**

ECO 320 Intermediate Macroeconomics (3)

Concept of national income, classical Keynesian and monetarist systems compared. Problems of unemployment and inflation, **IS – LM** analytical apparatus in discussion of the relative effectiveness of monetary and fiscal policy. Covers the basic models of national income determination and financial markets. The course includes application of policy problems such as inflation, unemployment, and balance of payments disequilibria. **Prerequisites: ECO 210 and ECO 220**

ECO 321 Money and Banking (3)

Definition and functions of money, commercial banking, non-banking financial institutions, balance sheets of banking institutions, high powered money, monetary policy, international monetary system, Nigerian banking system, money and capital markets. Examines the role of money and credit in the economy. Topics include the structure and operations of commercial banks, central banking and the operation of monetary policy, non-banking institutions and the structure

of financial markets, and elements of monetary theory. **Prerequisites: ECO 210 and ECO 220**

ECO 330 Introductory Econometrics (3)
Extensions of the two – variable linear model; introduction to matrix algebra and algebra of econometrics; the General linear model and generalized lease square procedure, violations of linear model assumptions and the correction of serial correlation (autocorrelation) of the errors, intercorrelation (Multicollinearity) of the variables, stochastic regressions and errors in variables; identification of problems, meaning, detection and correction, simultaneous models and estimations, K-class estimators and the choice of estimators. Practical solution of problems and familiarity with the computer. Students will use the statistical software package chosen by the instructor to complete lab assignments **Prerequisites: ECO 210, ECO 220 and ECO 230.**

ECO 331 Econometrics I (3)
Reviews the theory of statistics and statistical techniques. This course emphasizes the application of statistical models to economic models. Topics include regression analysis and estimation of economic models, including violations of the basic assumptions of the regression model, dummy variables, autocorrelation, heteroskedasticity, cross-section and time series data analysis. **Prerequisites: ECO 210 and ECO 220 and STA 101 and ECO 230**

ECO 340 Development Economics (3)
Surveys various economic theories and models elaborating the process of development. The course considers the meaning of economic development, the fundamental analytics of economic growth. Inequality, credit markets, and capital markets in so called developing countries are also discussed. **Prerequisites: ECO 210 and ECO 220**

ECO 341 Applied Statistics I (3)
The course examines the role and significance of statistics in Social Science research and proceed with the logic and basis of inferential statistics (sampling design and selection). It also covers sampling distribution, point and interval estimates of parameters as well as the logic of hypothesis testing. Tests of significance for nominal, ordinal level, interval and ratio level are also discussed as well as measures of association for nominal, ordinal, interval and ratio levels. It concludes simple regression, index number, unit normal distribution. **Prerequisites: STA 101 and ECO 230**

ECO 342 Environmental Economics (3)
The concept of environmental economics. Ecosystem, ecosystem services, types of capital operation of markets. Valuing the environment. Principles: economy, natural resources and environment, externalities, property rights. Population growth, national income and environment accounting. Sustainable development. Development, poverty, trade and environment. Ethical frameworks for analyzing trade-offs and environment. Energy: sources and uses, pricing and distribution. Water: supply, uses pollution, pricing. Agriculture, food security, and forestry, extraction rates, instrument for management. Fisheries, common property renewable resources, game theory, extraction rates, instrument for management. Climate change: costs of impacts, cost of abatement, policies, national and instrumental context. Global warming and challenging of economic development in Nigeria. Transportation. Water management. The concept of green economy,

meaning, prospect and application in Nigeria. Sustainable development and green economy. **Prerequisites: Third year standing**

ECO 350 Digital Economy (3)
This course analyzes firm strategies and public policy issues surrounding digital economy and related industries. The analysis applies economic tools and principles, including game theory, industrial organization, and information economics. Topics include: differentiation of prices and products; search cost and price dispersion; network effects and system competition; economics of platforms; intellectual property; antitrust regulations. **Prerequisites: Third year standing**

ECO 351 Health Economics (3)
Concept and scope of health economics. Distinction between health economics and healthcare economics. The role of health economics in decision-making. Health economics and its contribution to health planning. The theory of healthcare demand and supply. Cost of healthcare: economics cost, social coast and private cost. Introduction to phermaco-economics; pharmaceutical industry, demand for and supply of pharmaceuticals, government regulations and subsidy in developing countries. Healthcare provision and health insurance system and market failure in Nigeria. Evaluation of healthcare programme: cost analysis, cost-benefits analysis and cost effectiveness. The role of healthcare in human capital growth. Health sector financing and expenditure, cost of efficiency. Challenges to healthcare system in Nigeria. The political economy of healthcare in Nigeria. Health sector reforms in Nigeria. **Prerequisites: Third year standing**

ECO 352 International Economics (3)
Introduction to the theory of trade and international finance incorporating presentation of various theories of international trade, foreign trade protection, economic integration, balance of payments, foreign aid capital flows; the uses of international economics in explaining contemporary international relations and diplomacy. **Prerequisites: ECO 210 and ECO 220**

ECO 353 Public Policy/Public Sector Economics (3)
The concept of the public sector is examined, and pricing, investment and financing of public sector enterprises discussed. The role of the public sector and economic development is examined as well as analysis of selected public policies; special attention will be paid to the public service in Nigeria. Also, the structure of public revenue in Nigeria, the theory of tax structure development, the tax burden, the incidence of taxation, taxation for economic development will be discussed. **Prerequisite: Third year standing**

ECO 354 Petroleum and Energy Economics (3)
The Nigerian oil industry: historical development, exploration, growth and contribution to economic development. Oil theft and mismanagement of fund in Nigeria. Impact of petroleum on political development in Nigeria. Political economy of oil in Nigeria. The petrochemical industry and industrial development in Nigeria. Organization of Petroleum Exporting Countries (OPEC) and Nigeria's oil market energy policy. Oil spillage and its effect on the ecosystem. Other energy sources: Gas and Coal, renewable energy sources, wind solar etc. The future on Nigerian oil sector: future production. Evolution and the development of the

Nigerian power sector. The power sector and the Nigerian economy. Power sector reform/privatization Power sector and industrialization in Nigeria. Challenges and prospect of the petroleum and energy sectors in Nigeria and the way forward. **Prerequisite: Third year standing**

ECO 362 Public Choice: The Study of Self-Interested Government (3)

Studies "politics without romance." Rather than assuming, as most of economics does, that governments are benevolent and seek to maximize social welfare, public choice theory asks how the private incentives of policymakers from presidents, prime ministers, and kings to legislators, bureaucrats, and civil servants affect optimal policy choice and implementation. Topics include market failure and government failure, the median voter theorem, rent-seeking, ideology, corruption, the optimal scope of government, and political history of post-colonial Africa. **Prerequisites: ECO 210 and 220 and 230; or ICP 101 and 161.**

ECO 370 History of Economic Thought (3)

Comparative survey and assessment in economic thought is examined as are the ideas of the early Christian Fathers, Islamic Ideas on economic activity. Topics include classical economics, neo-classical school of thought, positive and welfare schools of economic thought, institutional economics, Keynesian School of Economic thought as well as evolution and contemporary development of Marxian School of Economic thought. Contemporary state of development in economics and future prospects are examined. Marginalists and modern schools of economic thought. African economic ideas and future prospects are also discussed. **Prerequisites: ECO 210 and ECO 220.**

ECO 371 History and Structure of Nigerian Economy (3)

Beginning with the analysis of development of the Nigerian economy in the pre-colonial and post-colonial periods. The course also covers the development of economic and social organizations, the role of agriculture, industry as well as monetization and banking. It also examines the role of international trade in Nigerian economic development. In Addition, growth of income, employment, wages, and prices are discussed as well as public development institutions, national income, and expenditure. The related topics of monetary and fiscal policies, monetary institutions, trade and transport systems and contributions of sectors of the Nigerian economy to national output, relationship between these sectors is also discussed. **Prerequisite: Fourth year standing**

ECO 410 Advanced Microeconomics (3).

Beginning with fundamental quantitative relationships, the courses focuses on general equilibrium and disequilibrium. It also examines dynamic analysis, value theory production functions, duopoly, oligopoly, bilateral monopoly and monopsony. Other topics are theories of determination of wages, rent, interest and profit, optimization in theories of consumption and production. It also includes the notion of economic efficiency. Efficiency and equity, externalities as well as social and private costs. Pareto optimum. Social welfare functions. **Prerequisites: ECO 210 and ECO 310.**

ECO 420 Advanced Macroeconomics (3).

This studies courses basic model of income determination and extension from a simple closed economy to a four-sector economy. Detailed

theories of consumption and investment functions and the classical Keynesian models of employment, and output are examined. Other topics are capital theory, theories of money, prices and interests and introduction to models of economic growth. Macro-economic policies and optimal allocation of resources are also discussed. **Prerequisites: ECO 220 and ECO 320.**

ECO 422 Monetary Economics (3).
The course examines the framework for monetary analysis and discusses whether this should focus on money or wealth. Other topics covered are supply of money theories, wealth effect mechanism of monetary policy, and inflation. **Prerequisites: Fourth year standing**

ECO 430 Advanced Mathematics for Economists (3)
Focuses on mathematical methods applied specifically to economic questions. Focus includes constrained and unconstrained optimization, choice under uncertainty, general equilibrium and welfare economics, dynamical systems and control theory, game theory. **Prerequisites: ECO 310 and ECO 320.**

ECO 431 Econometrics II (3)
Includes elements of statistical decision theory and related experimental evidence; some game theory and related experimental evidence; maximum likelihood; logic, normal profit, and ordered profit regression models; panel data models with random effects; omitted variable bias and random assignment; incidental parameters and conditional likelihood; demand and supply. **Prerequisite: ECO 331.**

ECO 432 Operations Research (3)
This course will concentrate on applications in economic analysis and in real life, linear programming, non-linear programming, game theory, queuing-models, Markov Chains, and simulation. **Prerequisite: Fourth year standing**

ECO 440 Advanced Economic Development (3)
This course will introduce the major ways in which economists have described the process of economic growth as well as the lessons learned during a century of notable innovation-- successes as well as failures--in attempts to foster socio-economic development. Students taking this class will emerge with methodological tools, models, case studies, and exposure to historical context that will make them more thoughtful and effective practitioners in the field of international development. **Prerequisites: ECO 310 and ECO 320**

ECO 442 Applied Statistics II (3)
The course provides the opportunity to apply basic statistical techniques learn in analysis of data. Special focus will be on computations of measures central tendency and variability, statistical application in test of relationships, computations of basic geographical data, use of statistics in presentation. **Prerequisite: STA 101, and ECO 341.**

ECO 443 Urban and Regional Economics (3)
Main forms of economic activities in urban areas, formal and informal sectors are introduced, and topics such as issues of access to credit, regulation of the economy: economy of the regions such as West Africa, East Africa and Southern Africa: regional blocks such as ECOWAS, G7 etc. are discussed. **Prerequisites: Fourth year standing**

ECO 450 Industrial Organization (3)
Studies the theory and the empirical evidence concerning the organization of firms and industries. It focuses on industry structure, on conduct and performance, and on more recent advances based on microeconomic theory, including transaction cost economics, strategic behavior, and information theory. **Prerequisites: Fourth year standing**

ECO 451 Taxation and Fiscal Policy (3)
The course covers the Nigerian system of income tax Administration; structure and procedures, returns, assessments, appeal, postponement, collection; with reference to all necessary legislation. Topics will include distinction between the taxation of income and taxation of Capital; Personal Income Tax. Other topics are the law and practice of income tax relating to individuals, exemptions, settlements, trusts, and estates. It also covers partnership assessments, treatments of losses as well as computation of assessable income: commencement and cessation of trade or business. Company Tax – the principles and scope of company tax as well as the small company provisions including definitions, computations and exemption. **Prerequisites: Fourth year standing**

ECO 452 Economic Planning (3)
The rationale for planning is examined and origins of planning, types and performance discussed. Planning machinery. Topics covered include the planning process; planning machinery; planning decision models and planning data. Other topics are objectives and policy formation; Plan implementation; Development planning in Nigeria; Development and under-development. **Prerequisites: Fourth year standing**

ECO 453 Production Economics (3)
The course covers the scope, methodology of industrial economics; industrial structure and definition; problems and measurement theories of firm. Other topics are the growth of the firm, diversification in mergers and innovation, investment economics, risk and uncertainty. The course will also examine the cost of capital, sources of finance, industrial pricing and marketing, pricing and marketing public goods; government intervention in industry and public policy, industrial location; industrial practices and policies in Nigeria and factors of fixed investment demand. It includes with economic and non-economic factors in development experience and a survey of development theories; natural endowment; human resources, structural transformation, trade and aid costs prices. **Prerequisites: Fourth year standing**

ECO 454 Project Evaluation (3)
Definition and classification of projects and project evaluation are introduced. The overall view of development program data requirements discussed. Topics in the course include location and size of projects, project cycle, project feasibility study/analysis and report. Project planning, implementation, and monitoring. Risk analysis and uncertainty SWOT analysis of a project, calculation of investments required for a project and evaluation of projects. Other topics are appraisal of projects from commercial and social viewpoints and cash flow analysis. **Prerequisite: Fourth year standing**

ECO 455 Problems and Policies Development
This course is an introduction to the analysis of core issues in economic development. It is an applied course that tackles major real work

problems faced by policy makers especially in developing countries. The course focus on specific issues/problems such as power, water and transportation; unemployment, access to safe water, education, policies to address these problems such as employment policy, poverty eradication policy. **Prerequisite: Fourth year standing**

ECO 456 Agricultural Economics (3)
Agricultural Economics generally applies the principles of economics to the production of crops and livestock. The discipline, known as Agronomics, is a branch of Economics, which specifically deals with land usage. It focuses on maximizing the yield of crops, while maintaining a good soil ecosystem. Throughout the 20th century, the discipline got expanded and the current scope of the discipline is much broader. Agricultural Economics now includes a variety of applied areas, having considerable overlap, with conventional economics. **Prerequisite: None**

ECO 457 Islamic Economics (3)
This course allows the student to develop a critical understanding of the development of Islamic economic and finance theory and become more appreciative of the contributions made by Muslim thinkers. Other than referring to the Quran and Sunnah as the key referral materials, this course also discusses the related theories and the current economics and finance issues from both the conventional and Islamic point of view. **Prerequisites: Fourth year standing**

ECO 460 Comparative Economic Systems (3)
This course will expose students to the classification and analysis of economic systems such as communalism, slavery, feudalism, capitalism and communist. Topics include system in transition and features of under-developed countries. **Prerequisites: ECO 310 and 320.**

ECO 461 Political Economy of Globalization (Cross-listed with ICP 444) **(3)**
Lessons will consist of seminars. During each seminar the students will discuss their reactions to the assigned readings. After the seminar, students will post their reaction essays based on the assigned readings and the class discussion. Students will also have to submit 3 written assignments: an abstract and an annotated bibliography to be submitted in Week 7, and a research paper to be submitted in Week 15. There will be a mid-term and a final examination. **Prerequisites: ECO 310 and 320 or ICP 101 and 161.**

ECO 470 History of Economic thought (3)
Comparative survey and assessment in economic thought s examined as are the ideas of the early Christian Fathers, Islamic Ideas on economic activity. Topics include classical economics, neo-classical school of thought, positive and welfare schools of economic thought, institutional economics, Keynesian School of Economic thought as well as evolution and contemporary development of Marxian School of Economic thought. Comparative state of development in economics and future prospects are examined. Marginalists and modern school of thought and African economics ideas and future prospect are also discussed. **Prerequisites: Fourth year standing**

ECO 490 Senior Research Project I (3)
Exposes students to research methods in economics and investigates special topics in

disciplines chosen by the instructor. A thesis paper is required. This course is a prerequisite for ECO 491 Senior Research Project II, during which the papers produced in this course will be polished and ideally prepared for publication. **Prerequisites: Fourth year standing**

ECO 491 Senior Research Project II (3)
Investigates special topics in economics chosen by the student. Using the literature review and research proposal which the student produced in ECO 490, the student will perform actual research in economics producing new knowledge. Final projects must include at least one of the following: multivariate regressions, qualitative analysis of in-depth interviews, a mathematical model, or significant policy analysis. **Prerequisites: Fourth year standing and ECO 490**

ECO 492 Independent Study (1-6). Prerequisites: 2.0 CGPA or higher and third year standing.

ECO 493 Internship in Economics (3)
Prerequisites: Permission of Department Chair and CGPA min

ENGLISH

ENG 101 Introduction to the Study of Literature (3) the course is designed to provide an overview of Literature. What literature is and its functions and further exposes you to the three genres of literature: Fiction, poetry, and drama with discussions on epic, ballad, dirge, ode, narrative and lyric poems, comedy, tragedy, farce as well as melodrama and fiction, non-fiction, etc. Of primary focus, the course will help you to effectively analyze/critique literary works. The course is interested in understanding how to consider a literary work in terms of the work's Characters, its historical period and background, the social and economic conditions it depicts, its major ideas, any of its artistic qualities or additional approaches. In addition, the course will examine selected readings from the three literary genres above as the course introduces students to literary genres and approaches to the reading and appreciation of literary works, with readings drawn from the best of the world literature. **Prerequisite: WRI 101.**

ENG 102 Introduction to Nigerian Literature (3) the course is designed to give an insight into literature and particularly Nigerian Literature. The course exposes you to Nigerian literary works and their authors. The course seeks to create an ambiance to connect present Nigerian Literatures with past literature done in traditional times which is oral literature. To this effect, the course introduces us to the very beginnings of literature in Nigeria. It will facilitate an understanding of the colonial era of Nigerian literature, the post-colonial era, and Nigerian Literature at the turn of the 21st century. Further, the course will seek to look at factors that influenced the growth of Nigerian Literature in its three forms: prose, poetry, and drama. Such influences include opening of many publishing houses, the religious missionaries (Christian/Islamic), Colonial Education. Furthermore, the course will look at the generation of writers of Nigeria Literature. It will also look at female writers and their impact in Nigerian Literature. It will look at the importance of the Onitsha Market literature in the schema of Nigeria Literature. In addition, the course will examine selected readings from the three literary genres above. The course introduces students to literary genres and approaches to the reading and appreciation of literary works, with readings drawn from Nigerian Literatures and those that speak to it among other issues**. Prerequisite: WRI 101**

ENG 104 Semantics and Pragmatics (3) the essence of human communication is to transact meaning between two or participants in spoken or

written modes. To this end, this course is a study of the study of meaning within the contexts of interactions. It provides a comprehensive study of the theories of meaning and approaches to meaning such as contextual theory of meaning and referential theory of meaning. There will also be a focus on types of meaning and how to actualize this in conversation or discourse. There will also be a consideration for pragmatic concepts such as deixis, anaphora, speech acts, presupposition, and conversational implicature. **Prerequisite: WRI 102.**

ENG 105 Stylistics (3) the course helps students develop a fuller and articulate awareness of language through stylistic analysis of literary texts. A wide range of literary devices will be studied for their literary effects. Some concepts such as Style as man, style as choice and style as deviation are discussed in the course. The stylistic variations of some authors are identified in relation to their language choice and language use. **Prerequisites: WRI 102 and ENG 101.**

ENG 201 Introduction to American Literature (3) covers literary works from the periods of Colonialism, Romanticism, Realism, Naturalism, Modernism, and Postmodernism. Also included will be the Anti-Slavery Movement, the Harlem Renaissance, and the Southern Renaissance. We will discuss the characteristics of these literary periods and their reflection in the literary works. The influence of the historical developments of the times on the literary works, as well as the biographies of the authors, will be examined. We will read and discuss poetry, short stories, novel excerpts, an autobiography excerpt, and one complete drama. Literary techniques and devices such as simile, metaphor, metonymy, synecdoche, apostrophe, chiasmus, and others that appear in the literature will be discussed. **Prerequisite: WRI 101.**

ENG 203 Language and Society (3) examines the relationship between language and society. Students will be introduced to sociology of language in relation to concepts such as language attitude, language policy, language conflict and language endangerment. Attention will also focus on some basic concepts such as bilingualism, multilingualism, speech communities, standard and non-standard language, dialects, registers, language variation, language death, language maintenance, and language shift. Further attention will be on language use in relations to competence and performance, grammaticality, and acceptability as well as language functions. **Prerequisite: none.**

ENG 211 Introduction to British Literature (3) In this survey course we will read and discuss literary works from the Medieval times, the Renaissance, the Elizabethan Period, the Neoclassical Period, Romanticism, the Victorian Era, Realism, Naturalism, Modernism, and Postmodernism. We will discuss the influence of historical events, such as the Battle of Hastings, the English Civil War, the World Wars, and others, on literature. Genres will include poetry, the short story, and the essay. We will read and discuss poetry forms including the sonnet, the ode, the dramatic monologue, and others. We will discuss literary devices and techniques such as apostrophe, synecdoche, metonymy, simile, and metaphor. **Prerequisite: WRI 102.**

ENG 221 Introduction to African Literature (3) introduces students to the works of major African writers including the oral tradition in African literature. It is an exploration of the history and sociology of African literature. The course will focus on the regional, temporal, and thematic classifications of African Literature with focus on pre-colonial, colonial, and post-colonial African Literature. The course will consider the European representation of Africa in European novels on Africa as seen in the novels of Joseph Conrad and

Joyce Cary. On the spatial consideration of African Literature, the course will focus attention on East African, West African, North African and Southern African Literature. This course shall be discussed across the genres of poetry, drama, and prose with focus on African authors such as Chinua Achebe, Sembene Ousmane, Camara Laye, Mongo Betti, Tsitsi Dangaremgba, Ferdinand Oyono, Mariama Ba, Ngugi WaThiong'o, Wole Soyinka, Ayi Kwei Armah, etc. Literary texts of early and contemporary writers will be discussed in this course. **Prerequisite: WRI 102.**

ENG 231 Introduction to World Literature in Translation (3) introduces students to the works of major world authors other than American, British, and African. **Prerequisite: WRI 102.**

ENG 301 Introduction to the Study of Language (3) Language and linguistic studies have caught the attention and interest of scholars with specific focus on the levels of language and linguistic studies – morphology and syntax, phonetics and phonology, semantics, and discourse analysis. As an introductory course, it introduces the concepts of linguistics and language study in relation to how sentences are structured and interpreted. It offers the definitions of these concepts and how they are used in the study of language. Among the areas that are expected to be covered are morphological processes such as morphology and word formation process while other areas such as syntactic process and analysis are expected to be discussed. **Prerequisite: WRI 102.**

ENG 302 History of the English Language (3) This course is the exploration of the historical development of English Language from the Anglo-Saxon period revealing transition in the morphology, syntax and phonology of English words and sentences. There is a focus on the contributions of the three Germanic tribes of the Angles, the Jutes, and the Saxons to the development of English language and literature. The history of the English language is not complete without a consideration for various invasions and conquests such as Roman invasions and the Scandinavian conquests. This course will, therefore, discuss these various invasions and conquests and their implications for the development and advancement of English language and literature. **Prerequisite: WRI 102.**

ENG 303 Introduction to Psycholinguistics (3) introduces students to the study of Psycholinguistics. Following David Carrol's 2008 definition, 'Psycholinguistics is the study of how individuals comprehend, produce and acquire language." This course attempts to cover major concepts in psycholinguistics including bilingual language processing, cognitive processing in reading, and language development in early childhood. The course is hinged on the notion that every individual is uniquely endowed with the ability to develop a highly complex communication system. **Prerequisite: WRI 102**

ENG 304 English Syntax I (3) provides a comprehensive description of the syntactic structures of English using insights from both traditional and Modern approaches; the goal is to provide the student with a thorough knowledge of English grammar and how it can be used effectively to achieve a given purpose. The students are introduced to phrase structure rules, immediate constituent analysis (ICA). The contributions of Noam Chomsky and M.A. K. Halliday will be discussed, particularly their contributions to syntactic analysis. **Prerequisite: WRI 102.**

ENG 306 English Poetry and Prose I: Beginnings to Eighteenth Century (3) focuses on major poets, essayists, short story authors and novelists from the medieval era to the eighteenth century. Authors to be studied will include Chaucer, Shakespeare, Spenser, Milton, Swift, Pope, Dryden, Johnson, and more. The course will cover the medieval era, the Renaissance, the Elizabethan era, and the Neo-Classical era.

Literary forms included will be the framed tale, the sonnet, the heroic couplet, the literary epic, the folk ballad, and the parody. The poetic devices irony, oxymoron, antithesis, paradox, and apostrophe. **Prerequisite: WRI 102.**

ENG 307 Advanced Sociolinguistics (3) leads students through advanced study and application of sociolinguistic theory and methods, focusing primarily on sociolinguistic variation and change. Students will be familiarized with canonical studies on variation in English and apply the theories and methods of sociolinguistic variation to a research project of their own. Variation applies at all levels of language (pronunciation (phonology), vocabulary, morphosyntax, pragmatics, etc.). However, since the field is largely dominated by studies of sociophonetics (dealing with pronunciation), students are strongly encouraged to complete ENG 312 (Phonetics & Phonology) prior to enrolling in this course. **Prerequisites: WRI 102.**

ENG 309 Literary Criticism (3) this is a course in the major approaches to literary criticism. The course will begin with the criticism of Aristotle and Plato and move to more recent approaches including Mythological/Archetypal Criticism, New Criticism, Structuralism, Deconstruction, Political Criticism, Biographical Criticism, Reader-Response Criticism, and Psychological Criticism. With each of these critical approaches we will read and discuss literary works to which we will apply the approach being discussed. Literary genres will include the drama, the short story, and poetry. It also explores new criticism and the application of critical theories to works of art, African literature and its criticism**. Prerequisite: WRI 102.**

ENG 310 Modern Drama (3) the course is designed to provide an intensive examination of major contemporary works in drama drawn from different regions of the world. It would explore the dynamic of dramatic fundamentals and techniques of drama. The course further looks at the origin of drama, various narrative techniques, rhetorical styles, and socio-cultural contexts of the dramatist. The course exposes the students to the five stages of plot: exposition, rising action, climax, falling action, and conclusion. The course exposes you to a wide range of dramas and intellectual engagements that come from it. This helps you to develop a critical and analytical mind-set that would enhance your ability to interrogate life circumstances. Through dramatic persona's reaction and counter reaction to conflict we can confront the changing trends of our everyday lives. Among the authors that will be discussed are Henrik Ibsen, Oscar Wilde, T. S. Eliot among others and will expose students to the theater of the absurd. **Prerequisite: WRI 102.**

ENG 311 Literature of the Diaspora (3) studies literature of authors of black descents but that they are not living on the shores of Africa. The focus is on African blacks because of the historical records that Africans are the major black population that are dispersed across Europe and America following the events of slave trade. The course will, therefore, focus attention specifically on literary/film texts of black authors and filmmakers with close reference to their subject matter, themes, and overall narrative structures. Among the areas of focus in the course are the historical origin of black diaspora in the world, slave narratives, post-slave trade black experiences in America and Europe, Harlem Renaissance, and modern period of black diaspora literature. Thus, the course surveys African American and Caribbean literature from colonial times to the present. It will include authors such as William Wells Brown, Phyllis Wheatley, Frederick Douglass, Paul Lawrence Dunbar, Langston Hughes, Zora Neale Hurston, Richard Wright, Jamaica Kincaid, Derek Walcott, Ralph Ellison, and Toni Morrison. Historical and cultural movements are included. **Prerequisite: WRI 102.**

ENG 312 Phonetics and Phonology (3) provides practical knowledge and skills for the study of

speech sounds as physical entities in terms of articulation, acoustics, and aural perception (phonetics) and conceptual frameworks for the study of the systematic patterning of speech sounds as linguistic units (phonology). Specifically, the course will focus on phonological rules such as homo-organic nasal rules, i-insertion rule, and g-deletion rule in relation to how they have helped in the pronunciation of English words. It will further examine speech acts and speech acts theory. In summary, the course will treat the segmental and supra-segmental phonetics. **Prerequisite: WRI 102.**

ENG 313 Semantics and Pragmatics (3) provides a comprehensive introduction to the study of meaning and how context of utterance affects human communication. Topics covered will include semantic fields, extensions and prototypes, deixis, anaphora, speech acts, presupposition, and conversational implicature. **Prerequisite: WRI 102.**

ENG 314 English Language in Nigeria (3) provides a comprehensive introduction to the English language in Nigeria from historical and sociological perspectives. It will focus attention on the influence of commerce, Christianity and colonialism on the implantation and use of English language in Nigeria. It considers the factors that encouraged the use of English language in Nigeria, the functions of English language, the status of English language in relation to Nigeria's indigenous languages, the issues of language planning and description of English language as official or second language. The course will focus on the relationship between the English language and the numerous indigenous languages in the country. It will also consider the linguistic features of Pidgin and Nigerian English. **Prerequisite: WRI 102.**

ENG 315 Introduction to World Literature in Translation (3) covers literature from the earliest recorded literary works to the present, including translations of various works that were originally written in languages other than English or any of the African languages. We will read and discuss literature from various nations, including ancient Mesopotamia, ancient Greece, Japan, Norway, France, and Colombia. Literary periods will include antiquity, Medieval times, Realism, and Naturalism. We will consider the influence of the lives of the authors on the literary works, as well as the historical periods in which they were produced. The course will cover the genres epic, drama, poetry, and the novel. **Prerequisite: WRI 102.**

ENG 316 Literature and Film (3) explores the complex interplay between film and literature. Selected novels, short stories and plays are analyzed in relation to film versions of the same works to gain an understanding of the possibilities and problems involved in the transposition to film. The aim of the course is to sharpen appreciation of film and literary fiction by studying the differences and similarities between the ways that filmed narratives and written narratives tell their stories. It examines what other forms of communication besides dialogue that are in the film. It further looks at the film and literary elements and theories that speak to complex socio-political issues in the works. **Prerequisite: WRI 102.**

ENG 317 Discourse Analysis (3) This course introduces students to the study of language in use. Written and spoken forms of language are examined within contexts. According to Brown and Yule 1983, the study of discourse cuts across all disciplines of linguistics and therefore takes on a variety of approaches. For instance, the Sociolinguist may want to describe transcribed data of 'real' occurrences of language in use, while the psycholinguist might focus on describing processes of language comprehension. The course, Discourse Analysis, while drawing examples from interdisciplinary fields, will focus

on a descriptive linguistic approach to demonstrate how language is used in communication. **Prerequisite: WRI 102**

ENG 320 Introduction to Creative Writing Fiction (3) explores the artistic challenge of mimesis, or the creation of life-like worlds. Focus will be on what exists in the real world with the goal of creating authentic and believable characters. It will be more of a workshop where students will exchange their creative works in the genres of poetry, drama and prose. Students will, therefore, produce a wide range of creative texts. **Prerequisite: WRI 102.**

ENG 330 Language and Politics (3) examines the political power of language. Examples from the press, government and private sectors serve as basis for discussion of how chosen words have divided people, scammed nations, torn asunder agreements and instigated war. Students also reflect upon the writer's role as one who both sheds light on the murky waters of politics and conveys political agendas. Through the analysis of various genres of written and spoken communication (e.g., speeches, party platforms, news coverage), students will learn to recognize and assess the motivation behind, and effect of different rhetorical strategies used in political discourse. **Prerequisite: WRI 102.**

ENG 331 Language & the Law (3) investigates the role that language and linguistics play in the legal written and oral discourse. Discussion will draw upon theory and framework in fields of semantics, pragmatics, discourse analysis and sociolinguistics as they apply to examples from the legal discourse. This will include both (1) use of language in legal settings and (2) legislation of language use (such as issues of official language policy and freedom of speech). Students will be expected to apply their acquired knowledge about language and the law to practical, current societal issues. **Prerequisites: WRI 102**

ENG 401 Studies in American Literature (3) provides an in-depth study of one or more topics in American literature. Topics vary. The course traces the origin of American literature to the influences of Afro-European contacts and relations that encouraged revolution in literary expressions. There will be focus on the genre and thematic studies of literary texts written by American authors across the genres of poetry, drama, and prose. Considering the trends in American literature, attention will focus on canonical texts and contemporary texts. **Prerequisites: One or more ENG course(s) and WRI 102 and third year standing.**

ENG 410 Advanced English Grammar (3) provides an intense study of English grammar with a focus on core grammatical concepts relating to different syntactic constructions examined from various grammatical approaches; emphasis will be on practical applications. Students will do more work on transformational generative grammar (TGG) with consideration for syntactic analysis based on the principles of tree diagrams. **Prerequisites: One or more ENG courses and WRI 102 and third year standing.**

ENG 411 Studies in British Literature (3) provides an in-depth study of one or more topics and authors in British literature. This course, therefore, will consider the evolutionary trends of British Literature from its historical and sociological perspectives. There will be focus on the genre and thematic studies of literary texts written by British authors across the genres of poetry, drama, and prose. The course will do a survey of periods such as Anglo-Saxon, Elizabethan, Neo-Classic, Romantic, Victorian, and Modern periods. Authors such as Thomas Hardy, William Shakespeare, Matthew Arnold, John Keats, John Donne, and John Milton, etc. **Prerequisites: One or more ENG course(s) and WRI 102 and third year standing.**

ENG 412 Studies in British Literature:

Shakespeare (3) is a landmark in the study of world literature. Selections of Shakespeare's drama include history plays, tragedy, and comedy. At least five Shakespeare dramas will be read and discussed in this course, as well as his sonnets and various other poetic works. The historical background of the Elizabethan era as well as the historical periods and settings in which Shakespeare placed his works will be examined. Literary devices such as the soliloquy, the aside, the subplot, the capping couplet, and dramatic forms such as the comedy and the tragedy will be included. Discussion of the poetry will include poetic devices such as simile, metaphor, apostrophe, synecdoche, metonymy, irony, paradox, oxymoron, the rhyme scheme and scansion of the sonnet, and others. **Prerequisite: One or more ENG course(s) and WRI 102 and third year standing.**

ENG 413 Oral Literature (3) examines the various forms of oral literature such as myths, legends, folktales, proverbs, riddles, African traditional poetry, and the epic. Besides, the course focuses on the research process in oral literature with dedicated attention on the pre-field, field, and post-field activities. Apart from this, the students will be exposed to the performance process and training of oral artists. Students will be required to carry out field work and collect sample materials for analysis. **Prerequisites: One or more ENG course(s) and WRI 102 and third year standing.**

ENG 414 Studies in American Literature: Mark Twain (3) examines the works of Mark Twain, ranging from memoir to historical romance, from frontier humor to social realism. Readings include Adventures of Huckleberry Finn, The Adventures of Tom Sawyer, Pudd'nhead Wilson, A Connecticut Yankee in King Arthur's Court, Roughing It, and The Innocents Abroad. **Prerequisites: One or more ENG course(s) and WRI 102 and third year standing.**

ENG 416 Language and National Development (3) The course focuses on the constraints placed on national development by the linguistic situation in the countries across the globe but with specific reference to Africa. The course will examine the interplay between various indigenous languages in Africa and the language of colonialism. Attention will be paid to the functions of language for interpersonal and intercultural communications in developing countries. To this end, the course shall examine some variables such as language and technology, language and economy as well as language of legislation for national development. **Prerequisites: One or more ENG course(s) and WRI 102 and third year standing.**

ENG 418 Studies in English Poetry and Prose: Nineteenth Century to the Present (3) literary works of major authors of English literature from 1800 to the present will be the subject matter of this course. The course will cover Wordsworth, Coleridge, Charlotte Bronte, Wilde, Conrad, Hardy, Yeats, and Lessing. The course will discuss the literary periods of Romanticism, the Victorian era, Fin De Siècle, Modernism and Postmodernism. Genres will include poetry, the novel, and drama. The class will examine how literary works reflect the historical periods in which they were written as well as the lives of their authors. **Prerequisites: One or more ENG course(s) and WRI 102 and third year standing.**

ENG 421 Studies in African Literature (3) provides an in-depth study of one or more topics and authors in African literature. Topics vary. The course will focus on the regional, temporal, and thematic classifications of African Literature with focus on pre-colonial, colonial, and post-colonial African Literature. The course will consider the European representation of Africa in European novels on Africa as seen in the novels of Joseph Conrad and Joyce Cary. On the spatial consideration of African Literature, the course will focus attention on East African, West African, North African and Southern African Literature. This course shall be discussed across the genres of

poetry, drama and prose with focus on African authors such as Chinua Achebe, Soyinnka, Ngugi, Sembene Ousmane, Camara Laye, Mongo Betti, Tsitsi Dangaremgba, Ferdinand Oyono, Mariama Ba, Naguib Mafouz, Helon Habila, Ayi Kwei Armah, Tewfik Al-Hakim,Buchi Emecheta etc. Literary texts of early and contemporary writers will be discussed in this course. **Prerequisites: One or more ENG course(s) and WRI 102 and third year standing**.

ENG 425 Phonetics, Phonology, and Morphology (3) introduces students to how speech sounds are produced, how they are classified and transcribed, and what rules govern their production. The course will go further in the study of transformative generative syntax and phonetics with more discussion on some morphological and phonological concepts such as allomorphs. Students will be exposed to the pronunciation, intonation, and stress of English words. **Prerequisites: One or more ENG course(s) and WRI 102 and third year standing.**

ENG 426 Stylistics (3) helps students develop a fuller and articulate awareness of language through stylistic analysis of literary texts. A wide range of literary devices will be studied for their literary effects. **Prerequisites: One or more ENG courses and WRI 102 and third year standing.**

ENG 431 Studies in World Literature in Translation (3) provides an in-depth study of one of more topics and authors in world literature in English translation. Topics vary. It is a further study of literary texts, across the genres of poetry, drama, and prose, originally written in a language and cultural context which is unfamiliar to students. Owing to the values of some literary texts, they have enjoyed translation from their original language of literary expression to other world languages with a view to increasing their readership. These literary texts have become classics thus attracting attention of literary critics and theorists. From the archival evaluation of these literary texts, it has been on records that some notable literary texts have been translated from Greek, Latin, and French, etc. Thus, the course introduces students to the works of major world authors other than American, British, and African. Among the authors expected to be discussed in this course are Homer, Dostoevsky, etc. **Prerequisites: One or more ENG course(s) and WRI 102 and third year standing.**

ENG 441 Special Topics in English Literature and Language (3) This course provides an opportunity for students to study one or more topics in depth in a seminar setting. Topics vary and may encompass more than one national literature. Among the special topics that are common in language and literature are gender, racism, migration, and identity. Literary texts across the genres of poetry, drama and prose shall be discussed with consideration for how the language is used for the representation of subject matter and themes. **Prerequisites: One or more ENG course(s) and WRI 102.**

ENG 490 Senior Research Project in Language and Literature (3) provides students with the opportunity to carry out an in-depth study of a subject or topic in their field of concentration under the guidance of a faculty member. **Prerequisites: One or more ENG course(s) and WRI 102 and third year standing.**

FRENCH

FRE 101: Elementary French (3)
This is a beginners' course for students with little or no knowledge of French language. This introductory course gives training in the basic patterns and structures of French language and culture through reading, listening, writing, and speaking. Besides focusing on grammar, elementary French also stresses the importance of communication through use of a wide variety of activities including group work, oral practice, games and role playing. Through extensive

practice in class, students will acquire the basic vocabulary and sentence structures of French. **Prerequisite: none.**

FRE 102: Elementary French II (3)
This course will enable students to develop abilities in reading, writing, speaking, and understanding French. This course is designed to build on French 101 or other previous experience in French, to expand the knowledge of French vocabulary and grammar and offer experience in handling this new knowledge in written and oral forms. It will also help students experience, appreciate, and become sensitive to cultural and linguistic differences. **Prerequisite: FRE 101.**

FULFULDE

Fulfulde 101: Basic Fulfulde (3) The course introduces participants to the four basic skills of listening (understanding), speaking, reading, and writing in Fulfulde. The course offers learners the opportunity to learn and practice the four basic skills in life situations and fields of language use such as in the home, at school, in the office, in the market, etc. **Prerequisite: none**

GENERAL EDUCATION

GEN 102: Nigerian Peoples and Cultures (3). This course focuses on the history and the cultures of peoples of Africa and particularly Nigeria. It explores the origin of African and Nigerian peoples, as well the social beliefs, norms, and values of the peoples of Nigeria and their respective characteristics. This course also examines a wide range of topics from evolution of Nigeria as a political unit, to the diversity of the ethnic groups in pre-colonial, colonial, and post-colonial Nigeria, to topics such as social justice, political economy, religion, politics, colonialism, law and society, nationalism, and host of other contemporary issues in Nigeria. The actual range of issues examined may vary from one semester to another. **Prerequisite: none**

GEN 103: History and Philosophy of Science (3). The aim of this course is to explore the history and the philosophy of science and technology from the first efforts of human beings to investigate, understand and master the natural environment, to the separation between scientific knowledge and other forms of knowledge, the birth of rational and objective thinking, the earliest formulations of scientific laws, to the elaboration and spread of modern science and scientific thought. A special emphasis will be put on the universal character of science as a way of thinking, the contributions of African peoples and all peoples of all continents and cultural traditions to scientific progress, and the common challenges we are facing today, due in part to questionable uses of modern science and modern technology. The case of Nigeria will be specially highlighted as a good example of those challenges in the areas of threat to biodiversity, climatic change, and natural and environmental resources management. The course will also examine the scientific methods and related epistemological issues as well as some of the current theories of science and the relationship between science, society, and development, particularly in the African and Nigerian context. **Prerequisite: none**

GEOLOGY

GEO 101 Introduction to Geology (4: 3 lectures, 1 lab) explores formation of landforms, rivers, groundwater, glaciers, oceans, and volcanoes. Included is the study of minerals and rocks, plate tectonics, the makeup of continents, mountain building, heat flow, magnetism, gravity, rock deformation, earthquakes and the earth's interior, weathering, erosion, transport, deposition, the origin of hydrocarbon and coal deposits, methods of petroleum exploration, global distribution of hydrocarbon resources with emphasis on Nigerian petroleum resources. **Prerequisite: none.**

GEO 301 Elements of Petroleum Geology (3) provides an understanding of the fundamental concepts of petroleum exploration, geological processes, geological prospecting, and the technology involved in the exploration of crude and in crude being converted into petroleum. **Prerequisite: GEO 101.**

GEO 312 Soil Science and Environmental Change (4: 3 lectures, 1 lab) examines past and present change on the Earth from a global geologic perspective, including the study the structure of the earth, plate tectonics, global catastrophes and geologic hazards, human impacts on the environment, global warming, pollution, ozone depletion, acid rain, resources consumption, and population growth. **Prerequisite: GEO 101.**

HAUSA

Hausa 101: Basic Hausa (3) The course introduces participants to the four basic skills of listening (understanding), speaking, reading, and writing in Hausa Language. The course offers learners the opportunity to learn and practice the 4 basic skills in real life situations and fields of language use such as in the home, at school, in the office, in the market, etc. **Prerequisite: none**

HISTORY

HIS 202 WORLD HISTORY SINCE 1500: (3) This course provides an overview of World history, from about 1500 to the present. It will address how the human past has been shaped by various socio-economic and political forces such as religion, trade, migration, technology, military rivalry, and competition for resources. (World scale) **Prerequisite: None.**

HIS 212 CONQUEST & RESISTANCE: AFRICAN HISTORY SINCE 1880: **(3)** This course deals with the emergence of modern Africa. It examines the African search for modernity, social reforms, the European conquest of Africa, anti-colonial, and post-independence challenges. (Regions scale) **Prerequisite: None.**

HIS 270 NIGERIA IN WORLD HISTORY: **(3)** This course provides an overview of Nigerian history from the conquest of the territories that comprise modern Nigeria, to colonial rule, the fight for independence, civil war, post – colonial developments and the influence of Nigeria and Nigerians in African and world affairs. It will place the main themes and developments of the Nigerian past into a global context. (State/Nation/Locality scale) **Prerequisite: None.**

HIS 301 FORCED AND FREE MIGRATION: THE GLOBAL AFRICAN DIASPORA:**(3)** This course explores selected themes in the history of the African diaspora in the Americas, Europe, the Middle East, and Asia with a focus on understanding the experiences of Africans and people of African descent. (World scale) **Prerequisites: 30 University credits or 3 200-level HIS credits**

HIS 311 THE HISTORY OF ISLAM IN AFRICA: **(3)** This course explores the historical, political, cultural, and religious aspects of the expansion of Islam in Africa from about the 9th century C.E into the post-independence period through a chronological, thematic, and regional approach. (Regions scale) **Prerequisites: 30 University credits or 3 200- level HIS credits**

HIS 351 THE INDIAN OCEAN WORLD: SAILORS, SLAVES, AND SCHOLARS: **(3)** Indian ocean trade is the oldest oceanic trade going on for at least 2000

years. This course will focus on themes and events that unite the societies and cultures of the Indian ocean basin in Africa, Arabia, South Asia, and Southeast Asia from the earliest times to present. **(Prerequisites: 30 university credits or 3 200-level HIS credits**

HIS 361 THE SWAHILI: AN AFRICAN MERCANTILE CIVILIZATION: (3) This Course examines the people who inhabit the Swahili coast from Somalia to Mozambique. It will explore the religious, historical, and political context of the Swahili coast and the peoples who inhabit this region and the region's significance to African and world history. (State/Nation/Locality scale) **Prerequisites: 30 University credits or 3 200- level HIS credits.**

HIS 400 SEMINARS IN WORLD HISTORY: (3) This course will explore specific, usually thematic, topics in world history. The topic will often change, but might include issues such as patterns of migration, the emergence of global institutions, cultural and material exchanges, war, and terrorism. (World scale) **Prerequisites: 30 University credits or 3 300- level HIS credits.**

HIS 470 LOCAL HISTORY WORKSHOP – NIGERIA/YOLA: (3) This course provides students with the opportunity to enhance their skills of historical analysis, writing and oral communication through close engagement with an important historical event or issue specific to Yola, Adamawa state or Nigeria using local archives and or oral interviews. It will culminate with the writing of a senior research paper. The topic and content will vary. (State/Nation/Locality scale) **Prerequisites: 30 University credits or 3 300- level HIS credits.**

HIS 480 SEMINARS IN REGIONS HISTORY: This course will explore a specific topic in the social, political, economic, or intellectual history of Africa, Europe, Asia, or the Americas. Topics and content will vary. (Regions scale) **Prerequisites: 3 300- level HIS credits.**

POLITICS AND INTERNATIONAL STUDIES

(formerly known as *International and Comparative Politics* - ICP)

ICP 101 Introduction to Comparative Politics (3) examines various forms of government and political cultures across time and nations. The first half of the course looks at the variety of principles and concepts having to do with comparative politics. The second half looks at specific case studies such as, for example, Nigeria, South Africa, Mexico, Brazil, India, China, Russia, Germany, Britain, and the United States. **Prerequisite: none.**

ICP 131 Introduction to International Relations (3) looks first at the structures and dynamics of the international system of states and then considers alternative perspectives, non-state actors, and a wide variety of issues in global politics including the political economy, information and culture, the environment, development, conflict, and conflict resolution. **Prerequisite: none.**

ICP 135 Introduction to International Development (3) this course introduces students to the emerging discipline of sustainable human development (SHD), which utilizes a holistic approach to the challenges of development by considering the interaction between economic, environmental, political, and social processes. Students will examine the theory, methods, and goals of development on a global scale through articles and case studies. Students will emerge from the course with a greater understanding of what fosters successful development, what policy options and strategies are available to overcome challenges, and how development standing can be measured using indicators and comparative

analysis. **Prerequisite: none.**

ICP 161 Introduction to Political Theory (3) introduces students to political theories, primarily those within the Western tradition, as well as the key names and texts within this tradition. Consideration will also be given to the relationship between the "modern" (post-1500) Western tradition and Islamic traditions of political thought. **Prerequisite: none.**

ICP 186 Introduction to Public Administration (3) focuses largely on policy implementation and to a lesser degree on public policy making. This course is designed to examine the role of administration in government. It explores various trends in public administration as well as examining the unique circumstances involved in administering public organizations. **Prerequisite: none.**

ICP 187 Introduction to Public Policy (3) focuses on understanding how public policies are made, how the policy processes work and shape public policy. It examines why certain problems make their way to the policy agenda and why some policies are adopted; why others are rejected, and why some policies seem to succeed while others appear to fail. It specifically focuses on public policy at the national level, exploring a wide range of policy areas, including education, economy, society, globalization, sustainable development, environmental, foreign policy, and other problems. **Prerequisite: none.**

ICP 201 Contemporary Nigerian Politics (also known as Introduction to Nigerian National Government for Public Policy and Administration program) (3) addresses the internal political processes of modern Nigeria including issues such as regionalism, ethnicity, religion, democracy, the military, and corruption. **Prerequisite: ICP 101.**

ICP 205 Contemporary African Politics (3) focuses on the basic concepts and theoretical models used in studies of politics in Africa from the pre-colonial era to the contemporary period and introduces students to African traditions and experiences of colonialism and the struggle for independence that have shaped modern-day politics. **Prerequisite: ICP 101 or ICP 131.**

ICP 210 Contemporary American Politics (3) covers the basics of the American political system including the Constitution, separation of powers, American federalism, and the legislative, executive, and judicial branches. **Prerequisite: ICP 101 or ICP 131.**

ICP 215 Contemporary European Politics (3) surveys the political systems of selected European states, parliamentary and mixed systems, constitutional monarchies, different electoral systems, etc. **Prerequisite: ICP 101 or ICP 131.**

ICP 220 Politics of the Middle East (3) focuses on the internal politics of selected Middle East states and addresses questions such as movements toward democracy, human rights, and the Israeli-Palestinian conflict. **Prerequisite: ICP 101 or ICP 131.**

ICP 224 The Politics of Latin America and the Caribbean (3) provides a survey of politics in Latin America and the Caribbean. Special attention will be paid to Mexico, Brazil, and Argentina. It emphasizes the history of imperialism, underdevelopment, military rule, external influence, and democracy that has created modern Latin America. It will also examine the continuing contentious relationship with the West, in particular the United States. **Prerequisite: ICP 101 or ICP 131.**

ICP 225 Politics of Modern Asia (3) provides a survey of the internal political systems and foreign policies of contemporary Asian states with emphasis on India, China, and Japan. **Prerequisite: ICP 101 or ICP 131.**

ICP 229 Introduction to Peace and Conflict Studies (3) This course will explore the reasons for conflict and war. The different types of peace will be discussed – negative peace and positive peace – and the ways of building these. Specific topics which will also be considered include conflict prevention, gender and conflict, the role of international organizations, such as the United Nations and regional organizations. **Prerequisite: ICP 101 or ICP 131 or ICP 161**.

ICP 231 International Organizations (3) studies the operations, goals and roles of various international organizations including the UN, its subsidiary organizations, the EU, the AU, ASEAN, NATO and INGO's. **Prerequisite: ICP 131.**

ICP 232 Model United Nations (1) helps students prepare for an intercollegiate Model United Nations (MUN) competition both at home and abroad. The objective is to seek, through discussion, negotiation and debates, solutions to the various problems of the world. It emphasizes an introductory survey of the concepts, institutions, processes, and forces at work in the UN. **Prerequisite: none.**

ICP 235 African Union and African International Relations (3) explore the origins and development of the AU, intra-African relations, relations with other international organizations and the wider world. **Prerequisite: ICP 131 or ICP 205.**

ICP 240 American Foreign Policy (3) offers a general survey of American foreign policy historically, America's role in the contemporary world, America's relations with international organizations and with various regions of the world. **Prerequisite: ICP 131 or ICP 210.**

ICP 263 Modern Political Theory (3) focuses on the development of modern political philosophy. Topics which will be addressed include the emergence of the modern subject, the relation between economics, politics, and human nature. Readings include, among others, Descartes, Machiavelli, Hobbes, Locke, Rousseau, Kant, and Nietzsche. **Prerequisite: ICP 161.**

ICP 287 Public Policy Analysis (3) is designed to expose students to the field of public policy analysis. Public policy analysis is the science of providing problem-solving advice to policymakers, or citizens. Public policy analysis requires skills and expertise critical to underlying policy context and producing analyses to the concerned parties. **Prerequisite: ICP 101 or ICP 186 or ICP 187**

ICP 288 State and Local Government (also known as Intergovernmental Relations for Public Policy and Administration program) (3) This course is an analysis of the formation and implementation of policies at the state and local levels. State and Municipal management concerns with human and financial resources, city, and town planning. Services and related cases are examined, particularly in the context of Africa. **Prerequisite: none**

ICP 301 Topics in Comparative Politics (3) addresses selected issues in comparative politics including, but not limited to, public policy, democracy, human rights, civil society, freedom of speech, political parties, etc. **Prerequisite: ICP 101.**

ICP 302 Politics of Development and Underdevelopment (3) focuses on the origins of underdevelopment and the various proposals for overcoming it: modernization theory, dependency, imperialism, neo-colonialism, culture, religion, etc. **Prerequisite: ICP 101 or ICP 135.**

ICP 303 Comparative Studies in Transitional Societies (3) focuses on selective countries and regions undergoing a transition from authoritarian (communist, military) regimes to more open and democratic regimes. **Prerequisite: ICP 101 or ICP 135 or ICP 131.**

ICP 304 Democracy and Elections in Africa (3) begins with an examination of democratic theory and practice. It then examines several case studies of African elections and the degree to which democratic procedures and results were implemented. **Prerequisites: ICP 101. Prerequisite: Public Policy and Administration students - ICP 201.**

ICP 306 Topics in African Politics (3) concentrates on the politics of a particular region (East Africa, West Africa, Southern Africa, the Horn, the Maghreb, etc.) or a specific country (e.g., South Africa, Tanzania) or a theme (democracy, poverty, corruption, natural resources, the military, civil war, and religion). **Prerequisite: ICP 205 or ICP305.**

ICP 307 Politics of Contemporary South Africa (3) provides an in-depth examination of the domestic and external politics of the Republic of South Africa. It looks closely at South African history, the creation of the apartheid state and the ultimately successful struggle to create a non-racial democracy. It also looks at the problems -- economic, political, racial, and ethnic--that have emerged in the post-apartheid period as well as at the mechanisms for overcoming those problems. **Prerequisites: ICP 101 and ICP 205.**

ICP 309 Strategies of Conflict Transformation – Approaches to Peacebuilding (3) This course will examine the theory and practice of conflict transformation and resolution, including the structural factors that play a part in conflict. Conflict transformation models will be considered, including resolution, negotiation, and mediation. Case studies will be used. **Prerequisite: ICP 229**.

ICP 310 African Peace and Conflict Studies (3)
This course will examine some cases of conflict in Africa and the resolution of conflicts. The course will look at the roots of African conflicts and the resolution of these conflicts. Particular attention will be paid to indigenous approaches to peace and transitional justice. **Prerequisite: None**

ICP 319 Russia and Post-Communist Society (3) examine the politics of post-communism in what were the Soviet Union and its allies with a particular emphasis on the Russian Federation. Specific attention is paid to the evolution of democratic procedures, political culture, and popular participation in these formerly one-party states. **Prerequisite: ICP 215.**

ICP 320 Islam and Politics (3) explores the intersection of Islam and politics as a global phenomenon in the modern era. **Prerequisite: ICP 220**

ICP 325 Great Power Politics in Asia: China, Japan and India (3) examines and compares the domestic and international politics of the three great Asian political and economic powers: China, India and Japan. All three of these states have varied and complex political histories and a relatively recent political and economic transition and experience with democracy: one still ruled by a Communist Party that has moved radically towards a private enterprise economy; another with a fascist past, an American imposed constitution, an innovative capitalist political economy and, until recently, virtual one-party rule; a third that emerged from centuries of colonial rule with what is probably the most robust, albeit combustible, democracy in the region. **Prerequisite: ICP 225.**

ICP 330 Conflict Systems and Analysis (3)
In this course, the students will be introduced to the title and the key concepts that define conflict analysis and resolution. The dynamics of each concept will be explored, thereby averring the students of the necessary skills, approaches and focus that are useful to critically examining

conflicts and developing effective interventions. The strong arguments being made for the consideration of local and indigenous wisdom, in terms of lens, voice, forms and approaches for understanding and resolving conflict will be discussed to introduce the students to the trending issues and imperatives in the field of Peace and Conflict Studies (PACS). Overall, the course will provide some required information, skills, attitudes, and strategies for understanding peace, conflict, resolution and how to design useful interventions. **Prerequisite: None**

ICP 331 Topics in International Relations (3) focuses on a selected issue in international relations: human rights, gender, religion, democracy, war, peace, terrorism, international security. **Prerequisites: ICP 131 or ICP 135.**

ICP 332 International Political Economy (3) provides a detailed analysis of the way in which politics and economics intersect at the international level. It is cross listed with ECO 361. **Prerequisites: ICP 131 or ICP 135.**

ICP 333 International Relations Theory (3) provides an overview of some of the major theoretical perspectives (realism, liberalism, constructivism, structuralism, and beyond) in the international relations field. It also prepares students with cutting-edge analytical tools in applying these different perspectives to a real-world situation. **Prerequisite: ICP 131.**

ICP 336 Women and Development (3) provides an interdisciplinary approach to examine the multiple roles women play in developing countries. It looks at the variety of themes relevant to women in the developing world, including theories of development, reproductive and productive labor, sexuality, population, globalization, motherhood, revolution, and feminism. **Prerequisite: ICP 131 or ICP 135.**

ICP 345 European Integration (3) addresses the issue of supra-national organizations and international integration. The course specifically looks at the origins of European integration after World War II and the gradual, yet steady, progress from a coal and steel community, through the EEC and the EC to currency integration and the EU. **Prerequisite: ICP 131.**

ICP 358 Diplomacy in Theory and Practice (3) This course will explore the origins and reasons for diplomacy. The forms and features of diplomacy, including the changing nature of diplomacy will be discussed. Negotiation between states will be explored and an exercise in negotiation will be held. Multilateral diplomacy, at both international and regional level, will be discussed. Finally, the skills required of a diplomat will be addressed. **Prerequisite: None**

ICP 361 Topics in Political Thought (3) focuses on selected topics or a specific topic in political theory. Specific content depends upon the instructor. **Prerequisite: ICP 161.**

ICP 366 African Political Thought (3) surveys the principal figures and issues in African political thought. It begins with an examination of the parameters and scope of the field, and then proceeds in three parts: first, central presuppositions of African political thought, for example, human nature, the relation between soul and body, and the relation of these categories to the two traditions in African political philosophy. It also engages issues around colonialism and the colonial legacy, utilizing such authors as Frantz Fanon, Albert Memmi, Julius Nyerere and Kwame Nkrumah. It covers recent African political thought, including such authors as Mamood Mamdani, Pal Ahluwalia, Ashwin Desai -- as well as contemporary Nigerian authors such as Polycarp Ikuenobe. **Prerequisite: ICP 161 or ICP**

306.

ICP 367 Post-Colonial Political Thought (3) explores the colonial legacy from the vantage points of epistemology, ethics, and politics. Engaging the seminal works (Franz Fanon and Aimé Césaire, among others) the course explores issues pertaining to contemporary Africa -- questions of identity, culture, epistemology -- as well as the relation between post-colonialism and the politics and economics of globalization. **Prerequisite: ICP 161**

ICP 370 American Political Thought (3) addresses basic problems of political theory within the American setting. It explores both the mainstream tradition and some branches of the counter tradition of political ideas in America, focusing on the themes of authority, community, equality, and liberty. Authors include The Federalists, Jefferson, Lincoln, Douglass, Emerson, and Thoreau. **Prerequisite: ICP 161.**

ICP 371 African American Political Thought (3) surveys the principal figures and issues in African American political thought. The core portion of the course will examine the classical writings of Booker T. Washington, W.E.B. DuBois, Marcus Garvey, Malcolm X and Martin Luther King, among others. The subsequent portion will consider contemporary authors such as bell hooks and current issues in African American political thought such as the persistence of racial inequality, the politics of gentrification and feminist theory. **Prerequisite: ICP 161.**

ICP 376 Islamic Political Thought (3) provides an understanding of the general development of political thought in Islamic civilization with an awareness of the key figures and their importance to this evolution. Among others we will look at the political thought of Muwardi, Nizam al-Mulk, Ghazali, ibnRushd, ibn Taymiyyah, ibnKhaldun, Ali Shariati and Zia Gökalp. **Prerequisite: ICP 161.**

ICP 387 Organizational Behavior and Administrative Communication (3) presents an analysis of the elements that make up complex organizations and the factors that affect human behavior within them, with emphasis on the processes of interpersonal and group communication. **Prerequisites: ICP 186 and ICP 187**.

ICP 388 Public Management (3) An introduction to organization and management theories and practices as they concern federal, state, and local governments. This course examines fundamental issues underlying the field of government and nonprofit management. Topics include ethics in public service, leadership, strategic management, human resources, and budget. **Prerequisite: ICP 101 or ICP 186 or ICP 187.**
Prerequisite: Public Policy and Administration students - ICP 101.

ICP 389 Public Personnel Administration (3) This course introduces the major dimensions of public personnel administration and to some of the major issues confronting those with public personnel management responsibilities. It explores the development of public personnel management, in federal, state, and local government, strategic management, position management; the processes used in staffing and training, including recruitment, selection, performance management, compensation, workplace relations, and discipline, all of which are crucial to effective public management in the 21st century. **Prerequisite: ICP 101 and ICP 186 or ICP 187.**

ICP 390 Non-Profit Sector Management (3) covers the historical, contemporary context and management of nonprofit organizations. Specifically, it examines issues ranging from functions, theories, legal, regulatory, policy and ethical aspects of the nonprofit sector. Closer attention will be paid to common themes that have been relevant in nearly all nonprofit

organizations, and some of these include organizational development, volunteer management, human resources, strategic planning, collaboration, program development, as well as key challenges of the nonprofit sector. **Prerequisites: ICP 101 or ICP 186.**

ICP 392 Public Budgeting (3) is a study of fiscal planning and management in the administrative process, budget process employed at the federal, state, and local levels of government: special emphasis on the role of budgeting in shaping public policy. **Prerequisite: ICP 186 or ICP 187.**

ICP 394 Environmental Policy, Management and Regulation (3) is an introduction to environmental policy and management in the US and Africa. It provides a review of environmental ethics; major substantive areas of air, water, land, and hazardous waste policy; the political dynamics that frame environment policymaking at the federal, state, and local levels of government; and the management issues arising as a result of the implementation of environmental policy within the context of intergovernmental agencies and multinational organizations. **Prerequisites: ICP 186.**

ICP 395 Social Sciences Research Methods (3) This course is an introduction to social research methods. It covers the fundamentals of basic research methods and social science inquiry and a variety of other approaches, including the exploration of research design, data collection and analysis. Furthermore, quantitative, and qualitative data collection and research, questionnaires, and participant observation, as well as other critical techniques will be examined. **Prerequisite: STA 101**

ICP 396 Research Methodology in Peace and Conflict Studies (3) This course will expose the students to the general features of research, but in more depth expose the students to the fast-developing field of peace research methodology. This is a new field, but it is growing steadily well. Peace research methodology belongs to the critical research theory which argues that there can be many perspectives that a study can adopt or develop to meet its purpose or goal. In this light, this course will explore the core features of the positivist research tradition such as types, designs, methods, and paradigms. It will later give a full focus of peace research methodology as it pertains to its origin, definition and typology and the core elements it has developed for itself, for example: dialogic, historical, discursive, and storytelling methods and emancipatory analytic steps. Objectively, the students will learn about critical and peace research and know how to become peace researchers and practitioners. **Prerequisite: None**

ICP 401 Advanced Topics in Comparative Politics (3) is an advanced topics course designed for upper-level students and focusing on one or another selected issue in comparative politics. Topics vary. Research paper required. **Prerequisites: ICP 101.**

ICP 404 Politics of Nationalism, Race and Ethnicity (3) is offered as a senior-level seminar and focuses on the role of identity in global politics; identities having to do with race, nationalism, ethnicity, and religion. Research paper required. **Prerequisite: ICP 101.**

ICP 406 Advanced Topics in African Politics (3) involves an extensive examination of a specific issue in African politics. Topics vary and will depend upon the instructor. Research paper required. **Prerequisite: ICP 205 or ICP 306.**

ICP 430 Post-Conflict Reconstruction (3) This course examines the issues involved in rebuilding the state following the cessation of conflict. Some

of the issues covered are security and political factors, as well as socio-economic development, the various actors involved, including the role of the international community, in particular foreign aid donors. Rebuilding the capacity of the state so that it can push ahead with the reconstruction and be able to absorb or oversee the absorption of donor aid. Some case studies in Africa will be studied. **Prerequisite: None**

ICP 431 Advanced Topics in International Relations (3) subjects a particular issue in international relations to an intensive, semester long investigation. Topics vary and are determined by the instructor. Research paper required. **Prerequisites: ICP 131.**

ICP 432 The Politics of Globalization (3) introduces students to the concepts, processes, and consequences of globalization. It explores contemporary debates on globalization by highlighting the perils and benefits associated with globalization, the role of international institutions such as the IMF, World Bank, and WTO, and the subsequent protests and demonstrations from the global civil society. Research paper required. **Prerequisites: ICP 131.**

ICP 434 Global Environmental Politics (Sustainable Development) (3) explores some of the major global ecological problems (ozone depletion, climate change, deforestation, desertification, whaling, and loss of biodiversity) and then examines significant international environmental initiatives to conserve resources, protect endangered species, and limit pollution. Special emphasis will be given to the important roles played by Non-Governmental Organizations (NGOs) in pressing states to address major issues such as the 1992 Earth Summit, the Kyoto Protocol, the international forest policy, and the interplay of economics, politics, and the environment. Research paper required. **Prerequisites: ICP 101 or 131 or ICP 135.**

ICP 435 International Development (3) focuses on economic, environmental, social, and political challenges confronting Less Developed Countries of the world. The primary concern of the course is how to improve the opportunities for the poor and vulnerable of these countries by reducing inequality in wealth and welfare, as well as gender, class, ethnic and regional stratification. Research paper required. **Prerequisites: ICP 135 or ICP 131.**

ICP 446 International Law (3) introduces students to the set of rules and obligations that states, and non-state actors recognize as binding on each other without a central enforcement authority to assure compliance. It focuses on the sources of international law (treaties, customary practice, generally accepted principles, and writings of jurists) and how the International Court of Justice interprets them and applies them to individual cases brought by states. Research paper required. **Prerequisites: ICP 131 or ICP 135.**

ICP 447 International Human Rights Protection (3) This course introduces the student to the international mechanisms to protect human rights. The course commences with the concept and history of human rights and their incorporation into the international legal and political system. The course covers international systems for protecting human rights, principally the United Nations with its various conventions, declarations and treaties for the promotion, protection, and enforcement of human rights. Regional systems for human rights protection, such as the Council of Europe and the European Convention for the Protection of Human Rights and Fundamental Freedoms and the African Union and the African Charter of Human and People's Rights, will also be examined. Against the background of conflict, international criminal tribunals and courts will be considered, from Nuremberg to the Hague, as well as the Geneva Conventions. **Prerequisite: ICP 101 or 131 or 161**.

ICP 448 Humanitarian Intervention (3) The course will commence by examining state sovereignty and its evolution from the Treaties of Westphalia. The concept of humanitarian intervention will be introduced and distinguished from the usual peace-keeping operations of the United Nations. The doctrine of Responsibility to Protect (R2P) will be examined: its evolution, the criteria for acting and who decides. Criticisms of the idea of humanitarian intervention will be discussed, e.g., that it is the latest phase of Eurocentric domination or that it is an excuse for the self-interest of the stronger powers. Cases of humanitarian intervention will be discussed, as well as broadly similar cases where there was no intervention. Particular attention will be paid to cases of genocide. Finally, the future of humanitarian intervention will be considered. **Prerequisite ICP 101 or 131 or 161.**

ICP 461 Advanced Topics in Political Theory (3) offers the opportunity for students to undertake an intensive examination of a particular issue in political theory; for example, the political thought of a specific individual or of a particular work. Topics vary and are determined by the instructor. Research paper required. **Prerequisites: ICP 161.**

ICP 462 Marxism and Socialism (3) is a seminar and focuses on the political, economic, and social thought of Karl Marx and will include original readings of his work: among others, but not limited to The Communist Manifesto, Capital, Vol. 1, The 18th Brumaire of Louis Bonaparte, etc. It also looks at the writings of others whose work was influenced by their readings of Marx: for example, Lenin, Luxemburg, Fanon, Western Marxism, Social Democracy, etc. Research paper required. **Prerequisites: ICP 161.**

ICP 463 Resistance and Revolution (3) introduces students to various theoretical approaches to the study of social unrest, its causes, origins, and outcomes. The first part of the course serves as a general introduction to the phenomenon of revolution and explores both the concepts and processes associated with social and political upheaval. The second part of the course involves a comparative study of historical revolutions and rebellions and seeks to raise questions about how resistance movements and revolutionary inversions of political power have traditionally been expressed in various political systems. Topics may include New Social Movement theory; democratic, historical, transnational, global and/or local social movements. Research paper required. **Prerequisites: ICP 161.**

ICP 464 Political Corruption (3) explores definitions, causes, consequences, and major types of political corruption around the world. What kinds of activities are corrupt? Do different cultures evaluate corruption differently? Why does corruption happen, how can it be stopped, and what are its outcomes? Case material will be drawn from early modern Europe, Nigeria, and post-Mao China, as well as from American political history. Research paper required. **Prerequisites: ICP 161 or ICP 101.**

ICP 465 Feminist Political Thought (3) explores the main currents in American and European feminism. The second portion of the course will locate feminism in the African context. The course readings assume (rather than demonstrate) women's historical subordination to man and put forward various explanations and strategies for change. Readings include J.S. Mill, C. P. Gilman, Emma Goldman, Simone de Beauvoir, Adrienne Rich, Bell Hooks, Audre Lorde, among others. Research paper required. **Prerequisites: ICP 161 or ICP 101.**

ICP 467 The Political Thought of Frantz Fanon (3) explores the political writings of Frantz Fanon, the Afro-French psychiatrist and revolutionary, whose seminal work on the psychological effects of racism, nationalism and revolution have been enormously influential. The course will examine all

of Fanon's political writings including Black Skin, White Masks, The Wretched of the Earth, Toward the African Revolution and A Dying Colonialism. Research paper required. **Prerequisites: ICP 161.**

ICP 477 Peace Studies/Political Violence (3) This course will introduce students to the analysis of political violence and peacebuilding through close studies of the Cambodian and Rwandan genocides and their aftermaths. Students will then deploy the insights they have gained in individual research projects on events of political violence. **Prerequisites: ICP 161.**

ICP 486 Management Policies in Public Administration (Politics of the Administrative Process) (3) examines the application and relationships of governmental management policies to contemporary economic, political, and technological processes. Research paper required. **Prerequisites: ICP 101 or ICP 186 and ICP 187. Minimum third year standing.**

ICP 487 Organizational Theory (3) explores the evolution and development of theories of organization, ranging from classical organizational theory; Neoclassical organizational theory, Human resource theory, Reform through changes in organizational culture, etc. This course is also designed to help public administrators tackle everyday problems and explores the relationship between theory and practice. **Prerequisite: ICP 101 and ICP 186 and ICP 187.**

ICP 488 Comparative Public Policy (3) is an advanced level course that enriches our understanding of the politics of policymaking in comparative perspective. The course examines why, how, and to what extent policy areas such as education, environment, healthcare, immigration, taxation, and regulations differ from nation to nation. It entails a cross-national assessment of public policy dynamics and will specifically address the similarities, and dissimilarities in terms of the policy process, public policy, and a selected number of key policy areas. Research paper required. **Prerequisites: ICP 101, ICP 186, or ICP 187.**

ICP 489 Collective Bargaining - Public Sector (3) is an examination of the historical development of labor relations and collective bargaining in the public sector and the impact of public employees unions on public personnel administration. **Prerequisite: ICP 101 and ICP 186 or ICP 187 and research paper required.**

ICP 490 Senior Research Project 1 (3) The general purpose of the course is to provide a seminar setting for graduating seniors to combine their experiences in fieldwork, coursework, internship, study abroad and experiential learning to engage in a scholarly research and produce a thesis project that reflects their independent thinking, interdisciplinary scholarship and an understanding of broad themes, issues, and debates within the discipline. This course also entails part I (3) & part II (3) totaling 6 credits. **Prerequisite: fourth year standing.**

ICP 491 Senior Research Project 11(3) continuation of Senior Research Project 1
Prerequisite: ICP 490.

ICP 492 Independent Study (3) is an in-depth research project on a topic not available in the regular curricular offerings. A student wishing to take independent study must write a proposal and present it to someone with expertise in this topic who would then agree to supervise the project. The availability of an independent study course is not the automatic right of a student. P**rerequisites: minimum. CGPA 2.0 and third year standing.**

ICP 493 Internship in International and Comparative Politics (3) is an opportunity for students to combine academic study with substantial work experience. Internship is for a minimum of 6 weeks.
Prerequisites: Permission of Department Chair

and min. CGPA 2.0 and third year standing.

ICP 496 Honors Seminar I (3) provides an opportunity for students to develop a 12,000-15,000-word honors thesis in completing requirements for program honors. **Prerequisites: ICP 101 and ICP 131 and ICP 161 and ICP 205 and a declared ICP major and permission of the instructor.**

ICP 497 Honors Seminar II (3) is a continuation of ICP 496 and will culminate with a public thesis defense. Prerequisites: completion of major coursework and ICP 496.

MATHEMATICS

MAT 110 or higher (higher MAT refers to MAT 112, MAT 210, MAT 211, MAT 310, MAT 410)

MAT 100 Pre-Algebra (0) This course is a follow up to high school algebra (or its equivalent) and is intended to provide a thorough review of basic algebra skills necessary for further study in mathematics, the sciences, and in applied fields. This course will not count towards overall graduating credits for any degree program. **Prerequisite: placement test result.**

MAT 110 University Algebra (3) is a university level course in algebra that provides a foundation for further courses in mathematics and includes discussions on real numbers and their properties, exponents and radicals, polynomials and factoring, rational expressions, linear and quadratic equations, linear and quadratic inequalities, the Coordinate Cartesian plane, functions and their graphs. **Prerequisite: MAT 100 or University mathematics placement test – (NOT allowed for anyone who has attempted (Pass or Fail) MAT 111 or higher course).**

MAT 111 Finite Mathematics (3) (formerly MAT101) provides the background in the basic quantitative techniques and lays the foundation for more advanced courses in Mathematics and related courses. It covers straight lines and linear functions, financial mathematics, sets and its operations, probability, distributions, and logic. **Prerequisite: MAT 100 or higher – (NOT allowed for anyone who has attempted (Pass or Fail) MAT 112 or higher course).**

MAT 112 Pre-Calculus (3) focuses principally on trigonometry and analytic geometry and prepares students for further courses in calculus while building on the algebra substructure erected by MAT 110 (University Algebra). **Prerequisite: MAT 110 or University mathematics placement test - (NOT allowed for anyone who has attempted (Pass or Fail) MAT 210 or higher course, or who is beyond the second year standing).**

MAT 210 Calculus I (3) introduces the basic notions of calculus such as limits and continuity, differentiation and integration such as the indefinite integral, integration by substitution, the definite integral, the fundamental theorem of calculus, and curve sketching, with applications. **Prerequisite: MAT 112 or University mathematics placement test - (NOT allowed for anyone who has attempted (Pass or Fail) MAT 211 or higher course).**

MAT 211 Calculus II (3) provides an overview of integration, applications to area, volume, motion, length, work and fluid pressure, methods of integration, approximate integration, improper integrals, differential equations and applications, infinite series, convergence tests, McLaurin and Taylor series, analytic geometry, calculus for polar and parametric curves, and conic sections. **Prerequisite: MAT 210 (formerly MAT121) with min. C grade - (NOT allowed for anyone who has attempted (Pass or Fail) MAT 310 or higher course).**

MAT 310 Calculus III (3) is a continuation of the study of functions introduced in Calculus I and II. Students apply and extend the ideas of limit,

continuity, differentiation and integration to vector-valued functions and functions of several variables, gradients, divergence, directional derivatives, maxima, minima, surface integrals, and Stoke's Theorem. **Prerequisite: MAT 211 (formerly MAT 210) with at least C grade - (NOT allowed for anyone who has attempted (Pass or Fail) MAT 311).**

MAT 311 Vector Calculus (3) This course completes the calculus sequence and consists of topics in the calculus of vector-valued functions, multiple integration, and their applications in find the mass, density, and center of mass of solids, vector fields, line integrals, surface integrals, parametric surfaces, and their areas and the three most important theorems in several variable calculus which are the Green's Theorem, the Stoke's Theorem, and the Divergence Theorem. **Prerequisite: MAT 310**.

MAT 312 Linear Algebra (3) is a complete course in linear algebra including theory of matrices, determinants, vector spaces, linear transformations, eigenvectors, eigenvalues, and applications. **Prerequisite: MAT 211 (formerly MAT 210) with at least C grade - (NOT allowed for anyone who has attempted (Pass or Fail) MAT 315).**

MAT 313 Real Analysis I (3) is a field of mathematics based on the properties of real numbers and ideas of sets, limit of functions and their properties (e.g., continuity, differentiability and integrability), convergence of sequences and series etc. It is a theoretical foundation behind calculus and as a part of the essential foundations of graduate study in many areas of pure and applied mathematics. **Prerequisite: MAT 211 (min. C grade) – (NOT allowed for anyone who has attempted (Pass or Fail) MAT 316 or higher course).**

MAT 315 Abstract Algebra (3) This is a foundation course in Abstract Algebra, which introduces students to topics on Binary Operations, Groups, Subgroups, Permutations, Cyclic groups, Isomorphism, and Direct Products. The course also gives a general introduction to algebraic structures besides Group, such as Rings and Fields, but without detailed exposition. Emphasis shall be placed on relevant applications. **Prerequisite: MAT 312.**

MAT 316 Numerical Analysis (3) discusses both theoretical and practical aspects of numerical methods, such as approximate solution of algebraic equations, interpolation, curve fitting, numerical integration and differentiation, numerical solutions of ordinary differential equations and numerical methods for solving systems of equations. The course analyzes algorithms and discusses applicability and accuracy of numerical methods. Some knowledge of computer programming is required. Construction of practical algorithms and actual implementation of these algorithms will be addressed using MATLAB, Monte Carlo integration and other mathematical software. **Prerequisite: MAT 313.**

MAT 410 Differential Equations (4) introduces first and second order differential equations with applications, series solutions, numerical methods, Laplace transforms, and systems of differential equations with applications, as well as an introduction to partial differential equations. **Prerequisite: MAT 310 (formerly MAT 211) with min. C grade - NOT allowed for anyone who has attempted (Pass or Fail) MAT 411).**

MAT 411 Partial Differential Equations (3) The course covers Laplace equation, the heat equation, and the wave equation. Solutions of linear equations by means of Fourier series and separation of variables. Poisson formulas and maximum principles. **Prerequisite: MAT 410 with at least C grade.**

MAT 412 Complex Analysis (3) This course is the

study of calculus with the imaginary number included. Topics include the algebra of complex numbers, complex functions, analytic or holomorphic functions, contour integration and Cauchy integral theorems, Taylor and Laurent series and the residue theorem, the evaluation of real definite integrals, elementary mapping problems such as the Mobius transformation. **Prerequisite: MAT 313 (min. C grade).**

MAT 413 Differential Geometry (3) The course discusses the differential geometry of curves and surfaces. It also looks at parameterized curves, regular surfaces, inverse images of regular values, definition of the Gauss map and its properties, as well as intrinsic geometry of surfaces. **Prerequisite: MAT 310.**

NATURAL AND ENVIRONMENTAL SCIENCES

NES 101: Introduction to Environmental Sustainability (4) introduces students to important concepts and issues in the field of environmental sustainability, including the state of the global environment, basic environmental science, and the meaning of sustainability. Using an interdisciplinary approach, students will learn how human society, and they as individuals, harm the environment and ultimately human well-being. The course will also demonstrate how humans can take actions to reverse environmental harm by implementing sustainable solutions. As part of this focus on solutions, students will learn about and use tools to attain sustainability. **Prerequisites: none**

NOTE: This course is designed for non-science majors who are fulfilling general-education requirements and for students who have an interest in issues related to the environment and sustainability. NES majors should take NES 201, Introduction to Natural and Environmental Sciences.

NES 102 Topics in Natural and Environmental Sciences: Conservation Biology (3) is designed for non-science majors who are fulfilling general education requirements and for students who have an interest in issues related to conservation biology, including the preservation of wildlife and natural environments. Special focus will be on African wildlife and natural habitats, particularly those of Nigeria. **Prerequisite: none.**

NES 200 Environmental Science Forum & Colloquium (1) is an introductory seminar on current environmental science research. It also provides a forum to discuss current environmental issues and problems. **Prerequisite: none.**

NES 201 Introduction to Natural and Environmental Sciences (3) is for science majors. It covers the physical, biological, social, and economic forces that lead to and affect environmental problems and presents solutions. Urgent issues related to the environment, such as pollution, human population growth, and climate change, will be emphasized. **NOTE:** Non-science majors should NOT take this course; they should take NES 101. **Prerequisite: none.**

NES 202 Principles of Ecology (4: 3 lectures, 1 lab) covers the patterns of environments and biological communities with a focus on the processes that maintain these patterns. Emphasis is on African (especially Nigerian) habitats. **Prerequisite: NES 201.**

NES 300 Environmental Policy and Risk Management (3) cover policy institutions and policies related to environmental and health risks. **Prerequisite: NES 201.**

NES 310 Behavioral Ecology (3) focuses on the interrelationship of an animal's ecology and its behavior. Key topics include optimal foraging theory, habitat selection, predator-prey adaptations, ecological constraints on sexual selection, and mating systems. **Prerequisites: NES 202 and BIO 220.**

NES 320 Special Topics in Natural and Environmental Sciences (3) offers a current perspective on a special topic within Natural and Environmental Sciences. Topics vary, and the course may be repeated with permission of the instructor. **Prerequisites: Prerequisites: completed eight (8) credits of NES courses and third year standing.**

NES 340 Pollution: Sources and Effects (3) studies the impact of modern industrial and agricultural activities on the environment, including the chemical nature of the pollutants and their origins and effects. Topics include global warming, ozone depletion, acid rain, and other air pollution resulting from the use of fossil fuels. **Prerequisite: CHE 210.**

NES 342 Environmental Toxicology (3) presents the biochemical and cellular basis for target site specificity of toxic agents in living organisms. Students will learn toxicant routes of entry, absorption, distribution throughout the body, Phase I and Phase II metabolism, organ specific toxicities, and defense mechanisms. **Prerequisites: BIO 121 and CHE 121 and NES 201.**

NES 344 Environmental Risk Assessment (3) introduces students to ecological and human health risks and issues related to quantitative risk assessment. **Prerequisites: BIO 121 and NES 201 and STA 101.**

NES 401 Community Ecology and Population Biology (3) focuses on the history, demography, environmental factors, density-dependent factors, genetics and population ecology, theories of population and community organization and includes the theoretical and empirical study of the structure and organization of natural communities. Topics include competition, predation, disturbance, abiotic gradients, and species equilibria. **Prerequisites: NES 310 and STA 101.**

NES 406 Plant Community Ecology (3) provides a survey of the distribution of vegetation throughout Africa and the world. The course also offers comparative studies of vegetation sampling techniques and mathematical analysis of data. **Prerequisites: NES 310 and BIO 106 and STA 101.**

NES 420: Environmental and Occupational Health (3) covers a broad spectrum of environmental hazards and influential factors, their interactions with human health and well-being, and their relevance to effective promotion of environmental hazard awareness and public health. **Prerequisites: BIO 121 and NES 201.**

NES 430: Environmental Chemistry (3) (cross listed with CHE 322) covers the concept of elementary cycles; characteristics of the atmosphere, sources, types, effects and control of environmental pollution, and wastewater treatment. It also examines the composition of domestic waste (handling solid waste) and waste recycling; water chemistry and analysis; and chemical and physical instrumentation in environmental sciences. Global warming: its sources, effects, and remedies. Green Chemistry: Principles and concept of green chemistry, atom economic and noneconomic reactions, reducing toxicity, a few examples of environmentally friendly reactions and reaction media. **Prerequisites: CHE 121**

NES 440 Environmental Impact Assessment (3) provides theory, regulatory guidance, and practical experience in objectively analyzing and reporting the environmental impacts of a wide variety of projects. After classroom discussions of theoretical and regulatory background, students will research and exchange presentations on the underpinnings of the various socioeconomic, natural, and health science disciplines to be addressed in a typical EIA. This will include interviewing a professor or practitioner in each science. The class will then turn its attention to methodology, whereupon students will get

experience developing the approach and framework for a project of their choosing. Students will work together to understand EIS provisions for community involvement and the accompanying approach to stakeholder engagement. We will also read and discuss a few actual EIAs and will seek the opportunity to participate in field trips to a development site where one is performed locally. **Prerequisites: Eight (8) credits of NES courses and third year standing.**

NES 490/BIO 490 Senior Research Project in Natural and Environmental Sciences (3) provides an opportunity for a directed field research project in the student's area of concentration, arranged before the course begins. **Prerequisites: At least three courses in NES and permission of the instructor and fourth year standing.**

NES 491/BIO 491 Senior Research Project II is the second part of a two-semester Senior Research Project. This course builds upon the research proposal written in NES 490 or BIO 490. In this course students will conduct the field/laboratory work which they proposed in the previous course, analyze their data, and write up the results (i.e., complete the Results, Discussion, and Conclusion sections of their theses). This is an exciting opportunity for students to conduct original research under the supervision of faculty members. By the end of this course, students will have completed their research project, which they will present in written and oral form to the department. Prerequisites: **NES 490 or BIO 490 and STA 305**

NES 492 Independent Study in Natural and Environmental Sciences (1-6) provides an opportunity for a contracted, independent study. Independent study includes library and/or laboratory research and field projects. **Prerequisites: Permission of the Instructor and Department Chair and CGPA of 2.0 or higher and Fourth Year Standing.**

NES 493 Internship in Natural and Environmental Sciences (1-6) is a supervised internship and summer training experience in aspects of Natural and Environmental Sciences, such as conservation biology, ecology, toxicology, or other relevant environmental issues. This may take place in a setting outside the university under the supervision of experts in the specific field of study. A report is required. **Prerequisites: Permission of the Instructor and Department Chair and CGPA of 2.0 or higher and 75 earned credits.**

PETROLEUM CHEMISTRY

PCE 310 Petroleum Science (4) (3 lecture, 1 lab) Petroleum discovery, utilization and processing in the world and Nigeria. Occurrence: world distribution of petroleum, major oil producing countries and worldwide scenario with respect to demand and supply of petroleum, forecasting future petroleum demand and prospects. Origin: theories of origin of petroleum; Biogenic theory. Physico-chemical properties and characterization of petroleum. Crude oil pretreatments: Dehydration, Desalting principles. Separation processes: atmospheric distillation, vacuum distillation, azeotropic and extractive distillation, dewaxing, deasphalting. Conversion processes: thermal conversion processes (Delayed & Fluid coking, Vis-breaking) and catalytic conversion processes (catalytic reforming, catalytic cracking, hydrotreating. Impacts of organic acids and asphaltenes in crude oil emulsion, de-emulsifiers. Foaming and defoaming. Scaling: causes, effects, inhibitors. Environmental impacts of oil prospecting, drilling and production. Discussions on oil spillage and gas flaring: effects, prevention, and treatments. **Prerequisite: CHE 210.**

PCE 311 Natural Gas (3) Discussions on formation, composition, and world distribution of natural gas. Physical and chemical properties of natural gas. Natural gas, wet and dry gas, biogenic and

thermogenic gas, associated and non-associated gas, sour and sweet gas. Natural gas treatment processes: acid gas treatments, gas dehydration, recovery of natural gas liquids, and production of liquefied natural gas. Direct applications of natural gas as fuel; current technologies for more efficient utilization of natural gas as fuel; natural gas as source of raw materials (C_{2+} hydrocarbons) petrochemical industry; extraction of C_{2+} hydrocarbons and their conversion to olefins for petrochemicals; production of synthesis gas from natural gas (C_1); chemistry and technology of conversion of natural gas (C_1) into petrochemicals via synthesis gas; ammonia from natural gas via synthesis gas. **Prerequisite: CHE 210.**

PCE 313 Introduction to Catalysis (3) Definition of terms; the concept of catalysis; mechanism of catalysis; role of catalysis in the chemical industry; types of catalysis; properties of catalysts; methods for characterization of catalysts; factors that determine industrial use of catalysts; catalyst deactivation; catalyst recycling and management; examples of industrial applications of catalysts: Wacker process, catalytic cracking with zeolites, catalytic reforming, Fischer-Tropsch process, Harber process, Contact process, Ziegler-type catalysts in polymerization. **Prerequisite: CHE 340.**

PCE 320 Petrochemicals (3) Introduction to petrochemicals and petrochemical industries; Primary feedstock for the petrochemical industry. Chemistry and technology of production of chemicals and polymers from (a) ethylene, and (b) propylene; Basic reactions of hydrocarbons: oxidation, halogenations, sulfonation and nitration; Chemistry and technology of production of chemicals and polymers from (a) C4-C5 streams, and (b) BTX stream; Generation, composition and usage of syngas. Potential non-petroleum sources of petrochemicals. Formation, occurrence, and potentials; classifications; coal and oil shale mining and processing techniques; coal as fuel, efficient combustion techniques, coal as source of cleaner fuels; coal as source of petrochemicals/raw materials, Fischer-Tropsch process; coal utilization and the environment. Environmental impact of petrochemicals. The prospects of the petrochemical industry in Nigeria. **Prerequisites: CHE 210 and CHE 220.**

PCE 321 Polymer Chemistry and Technology (4: 3 lectures, 1 lab) Polymer Nomenclature. Sources of raw materials for the polymer industries. Polymer Synthesis – Addition polymerisation, condensation polymerisation, copolymerization techniques. Polymerisation techniques – bulk solution, precipitation, emulsion, suspension, and gas phase. Polymer additives. Thermodynamics of Polymer solutions. Fibre forming polymers and introduction to biopolymers. Physical and mechanical properties of polymers. End-use properties and applications of commercial polymers. Polymerisation mechanism – Addition Polymerisation – Radical Chain, Anionic, Cationic and Coordination polymerisation. Physical states of polymers and the thermal properties. Polymer reactions – Thermal oxidative degradation, Photo-oxidation degradation, Crosslinking reactions, mechanical degradation, Vulcanisation of Rubber, Plasticisation of plastics, flammability of polymers and stabilization processes. Mechanical properties of polymers. Rubber elasticity. Analysis and testing of polymers. Advanced Polymer processing-concept of size, shape, their distribution, behaviors, and properties of powders in relation to particle size, types of additives, their role in product properties, broad description of various polymer processing – mixing, extrusion, injection and blow moulding, compression and transfer moulding, calendaring, vacuum forming and various coating processes, joining, plating and finishing. Practical rheometry. Polyurethane technology. Detailed treatment of Co-polymerisation techniques. **Prerequisites: CHE 210 and CHE 220.**

PCE 410 Oil Spill & Gas Flaring: Effects & Control (3) Covers aspects in controlling oil spill in the petroleum industry. Environmental impacts of oil

prospecting, drilling and production. It includes discussion of the spill characteristics, chemical-physical and biological treatments, economics, and international regulation of oil spills. Effects of oil spillage on water and land environments. Processes of treating oil spillage (chemical, biochemical and microbiological). Gas flaring; effects and control. Methods of controlling the environmental impacts of the oil and gas industry. Nigerian experiences in environmental effects of oil and gas operations. Current affairs. A field trip to an agency and/or industry involved in oil spill control is also undertaken. **Prerequisite: fourth year standing.**

PCE 416 Coal & Oil Shale Chemistry (3) Formation, occurrence, and potentials; classifications; coal and oil shale mining techniques; coal and oil shale processing techniques; coal as fuel, efficient combustion techniques, coal as source of cleaner fuels; coal as source of petrochemicals/raw materials, Fischer-Tropsch process; coal utilization and the environment. **Prerequisites: third year and PCE 321.**

PCE 421 Electrochemistry and Corrosion Science (3) studies various topics in electrochemistry such as equilibrium electrochemistry, ion activity, ionic transport, transport number, molar conductance, and conductivity, Debye-Huckel and Onsager equations, processes at electrodes, electrical double layer, electrode processes. It also includes topics in corrosion such as oil and gas pipeline basic corrosion chemistry, thermodynamics and kinetics of corrosion, corrosion mechanisms occurring in oil and gas production / processing systems, as well as corrosion prevention and pipeline protection. **Prerequisite: CHE 220.**

PCE 493 (formerly CHE 493) Internship in Petroleum/Petrochemicals Industry (3) is a supervised internship and summer training experience in a petroleum refinery or in a petrochemical/polymer industrial plant. A report is required. **Prerequisite: Permission of Department Chair and CGPA minimum 2.0 or higher and fourth year standing.**

PHILOSOPHY

PHI 102 Philosophy and Human Existence (3) is a brief survey of the main branches of Philosophy – philosophy of religion, ethics, self, knowledge and mind, political philosophy. Reference will be made to Nigerian philosophy, where appropriate. **Required for Law Students. Prerequisites: None**

PHI 103 Logic An introduction to the theory and techniques of logic with emphasis on formal logic, including methods of deductive proof. Topics may include categorical and inductive logic, as well as informal logic and critical thinking. Required for Law Students, by law. Prerequisites: PHI 102.

PHI 201: Comparative Religion: Islam and Christianity (3)
The course provides students with an introduction to the study of religion by offering a comparative overview of the history, doctrines, beliefs, and practices of Christianity and Islam - two principal religions in Nigeria. Moreover, the course gives the possibility to see the religion from different scientific positions (psychology, sociology, anthropology, philosophy).
Prerequisite: none

PHI 300 Ethics and Leadership (3) This course provides an understanding of the two fundamental areas of social life – ethics and leadership: their basic paradigms, concepts and practical dimensions. Moreover, the course examines the ethical issues involved in effective leadership, with examples from the African experience. **Prerequisites: third year standing. For SOL students, second semester standing.**

PHYSICS

PHY 101 Physical Science I or Conceptual Physics I (4) It is essential in today's technical world that

informed citizens possess fundamental science literacy. This course introduces the student to the fundamental principles of physical science embodied in the disciplines of physics and chemistry. Mathematics up to and including college algebra will be used throughout the course. Lab based Science Elective I for non-science majors. **Prerequisite: none.**

PHY 102 Physical Science II or Conceptual Physics II (4) provides a continuation for PHY101. Topics include electricity, magnetism, optics, matter, atoms and molecules, atomic and nuclear physics. Lab based Science Elective II for non-science majors. **Prerequisite: PHY 101.**

PHY 131 College Physics I (4) This course covers motion, energy, vibrations, temperature; heat and fluids are studied using algebra and trigonometry with an emphasis on applications. Students who have not taken high school physics are advised to take a semester of PHY101 before enrolling in this course. **Prerequisite: MAT 110 or higher.**

PHY 132 College Physics II (4) provides a continuation for PHY131. Electricity, magnetism, circuits, waves, optics, and the atomic and nuclear structure of matter are studied using algebra and trigonometry with an emphasis on applications. **Prerequisite: PHY 131 or PHY 205.**

PHY 205 University Physics I (4) This course covers basic principles of mechanics, heat and wave motion are studied using calculus with an emphasis on applications. Students who have not taken high school physics are advised to take a semester of PHY101 before enrolling in this course. **Prerequisite: MAT 210.**

PHY 206 University Physics II (4) This course provides a continuation for PHY205. Basic principles of electricity, magnetism and optics are studied using calculus with an emphasis on applications. **Prerequisite: PHY 205 or PHY 131.**

PHY 220 Meteorology (3) includes the general character of the atmosphere and its weather and climate systems, phenomena, and distributions of variables (winds, temperature, pressure, moisture). Topics include forecasting, basic observations, hurricanes, monsoon, El Niño, and modeling. This course satisfies one of the Natural and Physical Science General Education requirements. **Prerequisite: MAT 112.**

PHY 310 Introduction to Modern Physics (3) introduces atomic structure, quantum mechanics, and relativity, nuclear and solid-state physics. **Prerequisite: PHY 206.**

PHY 320 Fluids (3) covers steady ideal and viscous fluid flow systems using the continuity, Bernoulli and momentum equations, boundary layer theory, dimensional analysis, and dynamic similitude. Pipe flow and open channel flow are introduced. **Prerequisite: PHY 206.**

PHY 330 Introduction to Electronics (3: 1 lecture, 2 lab) introduces students to circuit design and the analysis of electronic devices and will cover circuit analysis (DC and AC), semiconductor devices (diodes and transistors), analog electronics (operational amplifiers), and other topics. **Prerequisite: PHY 206.**

PHY 340 Issues in Environmental Physics (3) focuses on the application of physics to the Earth's environment. Topics may include energy conservation principles, thermodynamics of fossil fuel engines and devices, solar and other alternative energy sources, nuclear fission reactors and nuclear fusion research, and the physics of the atmosphere, air pollution, global climate change, and ozone depletion. **Prerequisite: PHY 206.**

PHY 399 Supervised Physics Laboratory Instruction (3) provides the opportunity for students to gain experience in physics laboratory instruction under close supervision of the primary

physics professor. **Prerequisites: Permission of the Instructor and PHY 206.**

PSY 101 Introduction to Psychology (3) This course introduces students to the science of Psychology. It explores essential topics such as perception, human communication, cognition, memory, the process of decision-making, faith and religion, persuasion, love, art, dreams, and general functioning of the human mind – revealing its complexities. The course further explores how these aspects of the mind develop in children; how they differ across peoples; and how they break down in situations of old age, disease, and injury. Students will also gain insight into the history and development of the field, explore basic theories, and understand the importance of the scientific methods. On completion, students should have a richer understanding of individuals as thinking, feeling and social beings. **Prerequisite: WRI 101**

SOCIOLOGY

SOC 101 Introduction to Sociology (3) Introduction to the fundamental questions, concepts, theories, and general principles of sociological thought. Inquiries into culture, socialization, norms, power relations, social institutions, and group interaction. Illustrates how human action transforms society, and how social and cultural forces constrain human actions. **Prerequisite: none**

SOC 288: Criminology (3) What causes a person to commit murder? How does one become a terrorist? How close to becoming a criminal are you? What goes on in the mind of a criminal? What makes the quiet boy/girl in school become a mass-murderer? Can you become a suicide bomber? Need answers? This course provides answers to the study of crime, violence, and terrorism. Criminology is primarily concerned with understanding the causes of crime and we will visit some of the most influential explanations for criminal behavior. As social context shapes general beliefs, it also shapes beliefs about crime; we will consider how different explanations have emerged at different times and how society contributes to explanations of crime and criminality. To develop credible explanations for crime, criminal behavior, and terrorism, we must understand the nature of crime and examine a range of criminal activity. **Prerequisite: none**

SOC 301 Classical Sociological Theories (3) This course introduces some of the "classical" theoretical traditions that have guided sociological thought. The course explores the cultural, social, economic, political, intellectual, and biographical contexts within which they developed. It also offers a sense of the historical forces that gave shape to sociological theory and their later impact. The works of classical sociological theorists such as Auguste Comte, Karl Marx, Herbert Spencer, Emile Durkheim, Max Weber, Georg Simmel, Vilfredo Pareto among others are explored. In this course students will learn, in an engaging way, how to understand the internal logic of sociological theories and how they apply to real life social processes. Students will also learn how to write analytically, drawing on classical sociological theories. **Prerequisite: SOC 101.**

SOC 390-1 Social Sciences Research Methods (3) The logic, design, and use of social research will be studied during this course. Major emphasis is on social research techniques and procedures, the relationship between theory and research, the selection and use of quantitative data analysis techniques. The structure and use of qualitative techniques are also examined. This course is designed to introduce the student to social science research methodology. In our approach to methodology, we will focus on the context and significance of methodological issues and problems, as well as on the content. To know and understand what methodology is, its purpose, and why it is utilized, will greatly facilitate our understanding of its practical applications in understanding group and institutional behaviors.

Importantly, social science research methods are, on average, best approached by examining methodological approaches, critical discussions, and constructive activities. The student will be introduced to methodological issues and problems in social science research, data analysis, and proposal/report generation. Through extensive reading, discussions, and written assignments on selected problems and issues in research methodology, this course is designed to familiarize and enhance student's knowledge of methods in the social sciences. **Prerequisites: SOC 101 and STA101 or QBA 101.**

STATISTICS

STA 101 Introduction to Statistics (3) offers a general introduction to statistical methods and applications with illustrations from business, economics, and sciences; it prepares students for further quantitative courses. **Prerequisite: MAT 110 or higher - (NOT allowed for anyone who has attempted (Pass or Fail) STA 301).**

STA 301 Probability and Statistics (3) covers the fundamentals concepts of probability; including properties of expectation, the law of large numbers, the central limit theorem, and the application of these ideas in statistical inference. Estimation and hypothesis testing inferential frameworks will be comprehensively covered in theory and application. The linear regression model is introduced, inference for model parameters and model validation are studied. **Prerequisites: minimum C grade in both MAT 210 (formerly MAT 121) or higher and STA 101.**

STA 303 Non-Parametric Statistics (3) introduces students to the theory and methods of non-parametric statistical inference, including categorical data and goodness of fit, application of rank-order statistics, sign statistics, the empirical distribution function and runs to commonly occurring data structures. **Prerequisites: STA 101 and MAT 210 or higher.**

STA 304 Quantitative Methods in the Social Sciences (3) introduces students to elements of statistics specifically applicable to social science research, including decision theory and related experimental evidence, maximum likelihood, logic, normal, probit, and ordered probit regression models, panel data models with random effects, omitted variable bias and random assignment, and incidental parameters and conditional likelihood. **Prerequisites: STA 101 MAT 210 or higher.**

STA 305 Biostatistics (3) presents the basic mathematical methods that can be applied to biological and scientific data to organize, test, and interpret them, and reviews probability theory, and, at an introductory level, parametric and non-parametric biostatistics, the fundamentals of experimental design, and how optimality theory can be used to generate biological questions. **Prerequisites: STA 101 and MAT 210 or higher.**

STA 310 Operations Research (3) includes programming and the application of linear programming as well as non-linear programming, probabilistic models, decision theory and games, inventory models, and queuing theory. **Prerequisites: STA 301 and MAT 210 or higher.**

WRITING

WRI 100 Introduction to Composition (0)
Is designed to provide preparation for composition courses WRI 101 and WRI 102. The focus of the course will be on helping students develop competency in English grammar and reading comprehension; vocabulary building will also be emphasized. <u>This course will not count towards overall graduating credits for any degree program.</u> Placement in this class will be based on a placement test to be administered before the first day of classes. Students who perform exceptionally well in the placement test will be

exempted from taking this course. This course may be replaced with a learning enhanced lab which covers similar material while students are enrolled in WRI 101. **Prerequisite: placement test result.**

WRI 101 Composition I (3) focuses on developing effective written communication ability, critical reading skills, and analysis in several major forms of writing. This course facilitates the discovery and exploration of new knowledge and helps students connect, organize and express ideas clearly and effectively. The emphasis in WRI 101 is primarily on planning, outlining, and writing. The course uses essay models such as compare and contrast, argumentation, expository etc. to understand the narrative structure it deals with. **Prerequisite: WRI 100 or University placement test**.

WRI 102 Composition II (3) This course is designed to help you develop analytical and rhetorical skills in writing to enable you to communicate effectively in diverse writing situations. Emphasis of the course will be on research writing. The course will equip students to undertake academic writing of papers and facilitate both written and oral presentation of research work. It employs critical thinking in understanding how a problem is identified and solved, using the stock issue: need, plan, and advantage models. The course should facilitate interest in creative writing too. **Prerequisite: WRI 101.**

WRI 300 Writing in the Disciplines (3) provides experience in writing, editing, and preparing reports and papers and other documents suitable for presentation and appropriate for the student's discipline. Writing facilitates the discovery and exploration of new knowledge and helps develop the ability to think clearly and critically. The ability to express your ideas effectively will also make you more successful in future employment and leadership positions. **Prerequisite: WRI 102.**

WRI 320 Introduction to Creative Writing (3) provides an opportunity for students to develop their creative talents by participating in a writing workshop. This course may be repeated once for additional credit. **Prerequisite: WRI 102.**

WRI 321 Preparation of Written and Oral Reports (3) provides the opportunity for students to develop skills in writing business documents such as resumes, correspondence, memoranda, short and long reports, and proposals necessary to communicate effectively in the business world. Students also practice oral presentation skills essential to business professionals. **Prerequisites: WRI 102.**

WRI 424 Creative Writing Non-Fiction (3) explores several creative nonfiction forms, including personal essay, biography and autobiography, criticism, and creative analysis. Students will write personal memoirs/autobiographical stories and present the same in workshop format. As part of the training on the course, students will read some published memoirs, autobiographies, and biographies. There will also be a discussion on styles of writing these texts. **Prerequisite: WRI 320.**

WRI 492 Independent Study in Writing (1-6) provides an opportunity for the student to work independently on a writing project with the tutorial assistance of a member of the writing faculty. **Prerequisites: CGPA of 2.0 or higher and min. third year standing.**

AUN SAS FACULTY

Abbey, Chukwuemeka (2020)
Assistant Professor of Physics
B-Tech, Physics, Federal University of Technology Owerri; MSc in Geophysics (Exploration option), University of Lagos; PhD in Geophysics, Modibbo Adama University of Technology, Yola, Nigeria.

Abubakar Hamid Danlami (2022)
Assistant Professor of Economics
B.Sc., & M.Sc. (Economics), Bayero University Kano,
Ph.D. (Economics), Univeristi Utara Malaysia

Agboola, Bolade (2011)
Associate Professor of Petroleum Chemistry
BSc, Chemistry, University of Ibadan; MSc, Chemistry, University of Ibadan; PhD in Chemistry, Rhodes University, Grahamstown, South Africa.

Ahmad M. Aliyu (2020)
Associate professor
B.Tech, M.Tech (MAUTECH Yola),
PhD (UTM) Malaysia.

Ajayi, Osho O. (2008)
Assistant Professor of Mathematics & Statistics
BSc, Statistics; MSc, Statistics University of Ibadan; PhD in Statistics University of Glasgow, Scotland, UK.

Akpan, Emilienne Idorenyin (2010)
Instructor of Modern Languages
Interim Director of Writing Center
BA (Licence), Lettres Bilingues, Université de Yaoundé, Cameroon; Certificate in English Language, Literature and French Translation, Centre for Overseas Student Programmes, University of East Anglia, England; PGDM., Mass Communications, MA, Mass Communications, University of Uyo, Akwa Ibom, Nigeria; Certificat de Stage, Centre International d'Études Pédagogiques, Université d'Été, Nantes, France.

Bolade, Oladotun (2020)
Assistant Professor of Petroleum Chemistry
BSc, Chemistry, University of Ilorin; MSc Analytical Chemistry, University of Ibadan; PhD Industrial Chemistry, Covenant University, Ota, Nigeria.

Buba Audu (2020)
Assistant Professor of Statistics
BSc. Statistics, University of Maiduguri.,
M.Sc. Statistics, Usmanu Danfodiyo University
PhD in Statistics, Universiti Sains Malaysia

Danmaraya, Ismail Aliyu (2020)
Assistant Prof. of Economics
B.Sc. Economics (BUK),
M.Sc. Economics (BUK),
P.hD in Energy Economic (UUM) Malaysia.

Eke, Ikechukwu (2014)
Instructor of Communications
BA, Mass Communication, Ebonyi State University, Abakaliki; MA, Communication and Language Arts, University of Ibadan, Nigeria.

Fay, Patrick (2014)
Dean, School of Arts and Sciences and Associate Professor of Political Science
B.A., B.Ph. Mental and Moral Philosophy, 1970; Basic Certificate in Systems Analysis, 1978; Diploma in Computers in Education, 1979; Diploma in Administrative Science, 1979; Master of Public Administration., 1981; Certified Diploma in Accounting and Finance, 1993; M.Sc.(Econ.) in Policy Studies, 1996 ; M.A. European Union Law, 2001; Diploma in Politics

and Government, 2004; Doctorate in Governance, 2008; License in Theology, 2011; B.Sc. (Open) in Management, Politics, Environment, Law & Introduction to Diabetes, 2012; Postgraduate Diploma in Diplomatic Studies, 2014. LL.M. in Diplomacy and International Law, 2021.

Gbara, Loveday (2009)
Assistant Professor of International and Comparative Politics
BSc, Business Administration; MA, Public Administration, Minnesota State University; PhD in Political Science, Washington State University, Pullman,USA.

Hamman-Diram, Umar (2020)
Professor of History and Chair of General Education Department; B.A. History (ABU), M.A. History, Masters Industrial and Labor Relations (MILR), PhD (Maid)

Hansen, William (2005)
Assistant Professor of International and Comparative Politics
BA, Summa Cum Laude, Political Science, University of Maryland- College Park, USA; MA, African Politics, University of London, , School of Oriental & African Studies, UK; Graduate Diploma in German Language and Culture, Karl Marx University of Leipzig, Leipzig, Germany.

Imade, Lucky Osagie (2008)
Associate Professor of International and Comparative Politics
BA, International Relations, Shaw University; MA; PhD in International Affairs and Development,
Clark Atlanta University, USA.

Lawal Hussaini (2020)
Assistant Professor
PhD, University of Ibadan

Louis Ngare (2019)
Instructor of Philosophy
MA of Philosophy, University of Jos

Isine, Ibanga Wilson (2016)
Visiting Instructor of Journalism
BA, Communications Arts, MA, Mass Communication, University of Uyo, Nigeria.

James, Adewale (2010)
Associate Professor of Mathematics
BSc, Mathematics, Ahmadu Bello University; MSc, Mathematics; PostGradDip, Computer, University of Ilorin; PostGradDip, Education, Usman Danfodio University Sokoto, Nigeria; PhD in Mathematics, Modibbo Adama University, Yola, Nigeria; PostGradDip, Theology; University of Jos Nigeria).

Okeke, Malachy Ifeanyi (2018)
Assistant Professor of Natural and Environmental Sciences
B.Sc (Microbiology); First Class Hons, University of Nigeria Nsukka,
M. Phil (Medical Biology/Virology); University of Tromso, Norway,
PhD (Medical Biology/Virology); University of Tromso, Norway.
Postdoctoral Research (Virology and Vaccines), GenOk -Center for Biosafety Tromso, Norway

Olajuyin Ayobami Matthew (2020)
Assistant Professor of Natural and Environmental Sciences
B.Sc (Hons) Biochemistry, Adekunle Ajasin University, Akungba Akoko Ondo State
M.Sc, Biochemistry, University of Ilorin
PhD, Biochemical Engineering and Molecular Biology, University of Chinese Academy of Sciences, Beijing, China

Olumoh, Jamiu S. (2009)
Assistant Professor of Statistics
BSc, Statistics; MSc, Statistics.

PhD in Statistics, University of Ilorin, Kwara, Nigeria.

Omuya, Moses Bolade (2017)
Assistant Professor of Mathematics
BSc, Education; MSc; PhD in Mathematics, University of Ilorin, Kwara, Nigeria.

Philip Effiom Ephraim (2021)

Assistant Professor of Communication and Multimedia

Girne American University (PhD)

Raji, Hayatu (2010)
Assistant Professor of Natural and Environmental Sciences
BSc(Hons), Human Anatomy, University of Maiduguri, Maiduguri, Nigeria; MSc, Biochemistry (Genetic Manipulation and Molecular Cell Biology), University of Sussex; D.Phil. in Biochemistry (Yeast Genetics and Molecular Biology), University of Sussex; Post-Doctoral Research, University of Oxford, England.

Reed, Brian (2010)
Associate Professor of English Literature and Language BA, cum laude, Pacific Lutheran University; MA, Atlanta University; PhD, University of Washington, USA.

Sa'ad, Abdulmumin (2021)
Professor of Sociology,
B.Sc. (Sociology); Ahmadu Bello University, Zaria, Nigeria; M.Phil. (Criminology); Cambridge University, England; Ph.D. (Sociology of Law) University of Sussex, Brighton, England

Sabo, Umar (2021)
Instructor of Petroleum Chemistry
BSc Petroleum Chemistry, American University of Nigeria; MSc Industrial Chemistry, Nile University of Nigeria

Shallsuku, Phillip (2018)
Professor of Petroleum Chemistry
MSc, Chemical Engineering specializing in Polymer Technology; PhD in Physical/Polymer Chemistry, Moscow Institute of Polymer Chemistry and Textile Technology, Russia.

Sirajo Yahaya (2020)
Assistant Professor of Mathematics
B. Sc., M.Sc., Ph.D Mathematics (A.B.U, Zaria)
PDE (FCE, Zaria)

Ukata, Agatha (2010)
Assistant Professor of English and Literature
BA, (Hons) MA, University of Calabar; PhD, University of Witwatersrand, Johannesburg, South Africa.

Tesunbi, Samuel (2019)
Associate Professor of Advertising and Public Relations
BSc, MS, West Virginia University; PhD, Howard University

Vincent-Tyndall, Jennifer (2009)
Associate Professor of Natural and Environmental Sciences
BSc(Hons), Biochemistry, University of Sussex; MSc, Medical Biochemistry, Brunel University; PhD in Immunology & Infectious Diseases, Liverpool School of Tropical Medicine, University of Liverpool, England, UK.

Yakubu Bila (2020)
Professor of Economics
B.Sc. University of Maiduguri
M.Sc., & D.Phil, Oxford University

Yuguda, Amina (2021)

Instructor
BSc Mass Communication Ahmadu Bello University

M A Linguistics (English for Specific Purposes),
PhD Candidate MAU Nigeria

STUDENT CODE OF CONDUCT

Preamble

The central commitment of the American University of Nigeria (AUN) is to develop thoughtful and responsible human beings with the highest moral and ethical standards, within the context of a very diverse yet collaborative academic environment. This commitment is founded on the following core values of the University: Tolerance and understanding among national, ethnic, and religious groups; Freedom of Expression; Non-discrimination in the admission and employment processes regarding gender, age, religion, nationality, ethnicity, physical ability, political affiliation, or personal relationships. Excellence and integrity are the core principles that guide us.

This Student Code of Conduct is designed to benefit and assist the AUN community in forming the highest standards of ethics and morals among its student population and it is not in any way designed to either conform to or conflict with any civil or criminal justice system of Nigeria. It is designed to foster the University 's commitment to excellence and equity, while affirming the shared values that make community life possible. Students with alleged violations of the Student Conduct Code should contact the Office of judicial affairs to receive further information on disciplinary procedures.

I. Authority for Student Discipline

Ultimate authority for all University policies is vested in the Board of Trustees of the American University of Nigeria. Non-Academic disciplinary authority has been delegated by the President to the Dean of Students to implement student conduct policies and take all necessary and appropriate action(s) to protect the safety and well-being of all members of the American University of Nigeria community.

In practice, the resolution of nonacademic disciplinary cases may involve an array of the University administrators, committees of students, staff, and faculty. Such resolutions or decisions are forwarded to the Dean of Students as recommendations. Students are expected to assume positions of responsibility in the University judicial system to contribute their skills and insights to the resolution of disciplinary cases. The University reserves the right to amend this Student Conduct Code at any time according to the established procedures.

II. Responsibilities and Rights

A. Every student has a duty to read, understand and abide by the rules and regulations of the University. Ignorance of a rule or regulation will not be an acceptable defense. Students accused of disciplinary violations are entitled to the following procedural protections:

1. To be informed of the charges against them.
2. To request an informal resolution of the case.
3. To be allowed reasonable time to prepare a defense.
4. To hear and respond to evidence upon which a charge is based.
5. To call relevant witnesses and question the witnesses who testify in Code violation proceedings.
6. To be assured of confidentiality according to the terms of the University policy on confidentiality.

7. To request that any person conducting a disciplinary conference or serving as a Conduct Council member or Hearing Administrator, be disqualified on the grounds of personal bias.
8. To be provided with an opportunity to review these rights before any disciplinary conference or hearing.
9. To be considered not responsible for the charges until found responsible by a preponderance of evidence; and
10. To have reasonable access to the case file prior to and during the disciplinary conference or hearing.

III. Jurisdiction

The Student Code of Conduct is the University ‘s policy for nonacademic conduct offenses and applies to all students, student groups, and student organizations at AUN.
The University retains jurisdiction over alleged infractions that occur during a student ‘s matriculation or attendance at the University, including Fall, Spring, and Summer breaks and periods of leave of absence from the University. Therefore, a hearing may be scheduled after a student has completed a program, withdrawn, or graduated from the University.

Generally, the University will take disciplinary action for on-campus infractions of the Code. However, the University may take disciplinary action for off-campus infractions of the Code, when a student‘s behavior threatens or endangers the safety and well-being of the University community; when a student is the subject of a violation of local, state, or federal law; or when, in the judgment of the University officials, a student‘s alleged misconduct has a negative effect on the University‘s pursuit of its mission or on the well-being of the greater community.

IV. Violations of Laws and Regulations of the University

Students may be accountable both to civil authorities and to the University for acts that constitute violations of law and of this Code. The University reserves the right to initiate disciplinary proceedings where the conduct of the student is unbecoming of a fit and proper person worthy of the University ‘s degree recommendation.

V. Definitions

A. *“Aggravated violation*—a violation that resulted, or could have resulted, in significant damage to persons or property or which otherwise posed a substantial threat to the stability and continuance of normal University, or University-sponsored, activities.
B. *“Consent*—words, or acts of conduct, indicating a freely given agreement to have sexual intercourse or to participate in sexual activities. Sexual contact will be considered —without consent - if no clear consent, verbal or nonverbal, is given; if inflicted through force, threat of force, or coercion;
or if inflicted upon a person who is unconscious or who otherwise reasonably appears to be without the mental or physical capacity to consent.

C*. “Disciplinary Conference*—a forum in which a hearing officer meets with a student to adjudicate an alleged violation of the Code.

D. *"Disciplinary Hearing*—a forum in which a panel of the Conduct Council meets with a student to adjudicate an alleged violation of the Code.
E. *"Disorderly*—conduct which a reasonable person under similar circumstances should be expected to know would disturb the peace.

F. *"Group*—persons who are associated with each other, but who have not complied with University requirements for recognition as an organization.

G. *"Harassment*— a form of discrimination consisting of physical or verbal behavior that:

(i) is directed at an individual because of the individual 's age, ancestry, color, disability or handicap,
national origin, race, religious creed, sex, sexual orientation, gender identity or other status; and

(ii) is sufficiently severe or pervasive so as to substantially interfere with the individual 's employment,
education or access to university programs, activities, and opportunities.

H. —*Hearing Administrator* – a staff member who conducts disciplinary hearings as set forth in section XV of this Code.

I. *"Hearing Officer* — a staff member who conducts disciplinary conferences as set forth in Sections XIV of this Code.

J. *"Jurisdiction* - the ability to hear and decide a case.

K. *"Institution"* and *"University*— American University of Nigeria and all of its undergraduate and graduate departments and programs.
L. *"Organization*—an association of persons that has met University requirements for formal recognition.

M. *"Preponderance of evidence*—a measure of proof that a reasonable person would accept as —more likely than not‖ that a fact is true, or an incident occurred.

N. —*Sexual violence*—any act of sexual intercourse or sexual penetration of any orifice of the body with a body part or other object that takes place against a person 's will or without consent or that is accompanied by coercion or the threat of bodily harm. [Also see —consent]

O. *"Reckless*—conduct which a reasonable person under similar circumstances should be expected to know would create a substantial risk of harm to person(s) or property or which would otherwise be likely to result in interference with normal University or University sponsored activities.

P. *"Relevant*—related to the charges at hand. Relevant information may be excluded by a hearing officer or administrator during a disciplinary conference or hearing if it is unfairly prejudicial.

Q. *"Sexual harassment*—unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature when: submission to such conduct is made explicitly or implicitly a term or condition of a person 's employment or academic advancement; submission to or rejection of such conduct by a person is used as the basis for employment decisions or academic decisions affecting such a person; or such conduct has the purpose or effect of unreasonably interfering with a person 's work or academic performance or creating an intimidating, hostile, or offensive working or academic environment. [Also see Sexual Discrimination and Harassment Policy]

R. *"Stalking*—repeated and unwanted contact directed at any person, including contact by electronic means or by proxy, or the credible threat of repeated contact with the intent to place a reasonable person in fear for his or her safety or the safety of his or her family or close acquaintances.

S. *"University Premises*—buildings and grounds owned, leased, operated, controlled, or supervised by the University.

T. —*University Sponsored Activity*—any activity, on or off university premises, that is specifically initiated or supervised by the University.

U. *"Weapon*—firearms, fireworks, explosives, metal knuckles, knives, or any other instrument designed, used or intended to be used to inflict injury to person or property.

V. *"No Contest*---where the respondent neither admits nor disputes charges. Serving as an alternative to pleading guilty or not guilty.

VI. Prohibited Conduct

This Code is not written with the specificity of a criminal statute, nor is it intended to cover every instance of potentially prohibited conduct. The American University of Nigeria expects its students, wherever they are, to adhere to high standards of honor and good citizenship and to conduct themselves in a responsible manner that brings credit to themselves and the University.

Attempting to commit; aiding, abetting, or inciting others to engage in any prohibited conduct is punishable under this Code and may be considered as serious as engaging in the violation itself. Retaliating against anyone who reports an alleged violation of the Code, a witness or participant in any Code proceeding or investigation is also prohibited.

The following misconduct is subject to disciplinary action:

A. Physical Abuse/Endangerment of a Person: Includes but is not limited to physical assault causing bodily injury or harm, conduct which threatens or endangers the health or safety of any person(s), facilitating or participating in any mental or physical activity that creates a reasonable apprehension of harm.

B. Sexual Misconduct: Prostitution, engaging in lewd or indecent conduct and all forms of nonconsensual sexual activity including sexual violence; and sexual abuse such as unwanted sexual touching or fondling.

C. Harassment or Stalking: See Definitions section above.

D. Weapons: Using, possessing, distributing, or manufacturing a material or device offensive or likely to be used to cause injury to another. No person shall possess, use, or carry any weapon, ammunition or explosive unless specifically authorized by the University.

E. Safety Hazards: Unless explicitly authorized by the University any possession, use, carrying, manufacturing and/or distribution of fireworks on university property is forbidden. Tampering/interfering with fire or other safety equipment or setting unauthorized fires is also prohibited.

F. Property Offenses: Stealing of property or services; knowingly possessing stolen property; willful or reckless destruction or defacement of property of the University or members of the University community.

G. Unauthorized Entry or Use: Entry, attempt to enter, or remaining without authority or permission in any University office, residence hall room, University sponsored event, or University premises; unauthorized use/abuse of university computer equipment, networks, systems, services, corporate name, logo, or symbols.

H. Alcohol/Drugs/Substance Abuse: Violation of University policies pertaining to substance abuse, use, possession, manufacturing, sale or distribution of any controlled substance, alcohol, illegal drug and/or illegal drug paraphernalia. It is also a violation for a student to be in the presence of any person(s) engaging in substance abuse, use of illegal drugs or alcohol on university premises contrary to established policies.

I. Providing False Information: Knowingly providing false statements about a Code violation or during a university investigation/proceeding; intentionally providing or causing to be initiated any false report, warning, or threat of fire, explosion, or another emergency.

J. Fraud/Forgery: In University matters not covered by the Academic Integrity Code – dishonesty; misrepresentation; fraud; forgery; or knowingly using false information, documents, or instruments of identification. This includes but is not limited to falsifying residence hall contracts, stealing another‘s identity, forging a permit and misuse of official forms and meal tickets.

K. Disrupting University Activities: Intentionally or recklessly interfering with normal University or University sponsored activities, including but not limited to studying, teaching (including class sessions or office hours), research, University administration; or fire, police, or emergency services.

L. Unruly Conduct: Disorderly conduct including participating in a riot or interfering with the rights of others.

M. Failure to Comply: Willfully failing to comply with the directions of university officials, including public safety personnel or housing staff members who act in performance of their duties; violating the terms of any disciplinary sanction imposed in accordance with this Code.

N. Violations of University Regulations: Violation of other published nonacademic University regulations or policies including but not limited to gambling or gaming unbecoming of a university student; policies related to discrimination and discriminatory harassment, computer use, the residence halls, hazing, bullying, unauthorized use of vehicles, littering, and amplification of sound.

O. Violations of Law: Violation of local, state, or federal law that substantially affects the University 's mission or interest.

VII. Standards of Classroom Behavior

Primary responsibility for managing the classroom environment rests with the faculty. Students who engage in any prohibited or unlawful acts that result in disruption of a class may be directed by the faculty member to leave the class for the remainder of the class period. Longer suspensions from class or dismissal on disciplinary grounds for prohibited conduct under section VI of this Code may include interim suspension, as set forth in Section IX. All other violations under section VI of this Code must be preceded by a disciplinary conference or hearing, as set forth in Sections XIV and XV of this Code.

Academic dishonesty allegations are processed in accordance with procedures set forth in the Academic Integrity Code. Students could be subject to both the Student Code of Conduct and the Academic Integrity Code in cases where there is a combination of alleged violations of academic and nonacademic regulations. Where there are any conflicts whether procedurally or otherwise, the Director of Judicial Affairs will put up a recommendation to both the DSA and Academic VP or those in charge.

VIII. Student Groups and Organizations

Student groups and organizations may be charged with violations of this Code, as described below:
A. A student group or organization and its officers or members may be held collectively and individually responsible when violations of this Code by those associated with the group or organization have received the consent or encouragement of the group or organization or of the group 's or organization 's leaders or officers.

B. The officers or leaders or any identifiable spokesperson for a student group or organization may be ordered by the Dean of Students to take appropriate action designed to prevent or end violations of this Code by the group or organization. Failure to make reasonable efforts to comply with the Dean 's order shall be considered a violation of this Code, both by the officers, leaders, or spokespersons for the group or organization and by the group or organization itself.

C. Sanctions for group or organization misconduct may include revocation or denial of registration or recognition, as well as other appropriate sanctions.

D. Student organizations may appoint panels or boards to mediate disputes and enforce association bylaws. Decisions or recommendations by such panels or boards do not constitute official action by the University.

IX. Interim Suspension

The Dean of Students or his/her designee may suspend a student from the University for an interim period pending disciplinary or criminal proceedings or a proceeding investigation or medical evaluation regarding the behavior relevant to such proceedings. The interim suspension will be effective immediately without prior notice whenever there is evidence that continued presence of the student at the University poses a substantial and immediate threat to him or herself, to others, or to the stability and continuance of normal University functions. Interim suspension excludes students from university premises and other privileges or activities. A student suspended on an interim basis could be given a prompt opportunity to appear personally before the Dean of Students or designee to discuss the following issues only:

(a) the reliability of the information concerning the student ‘s conduct, including the matter of identity.

(b) whether the conduct and surrounding circumstances reasonably indicate that the continued presence of the student on university premises poses a substantial and immediate threat to him or herself, to others, or to the stability and continuance of normal University functions.

X. Conduct Council

The Conduct Council will consist of students, faculty, and staff: students to be chosen by the Student Government Association; faculty to be chosen by the Faculty Senate or academic VP/Provost, and staff to be chosen by the Residence Hall Association or staff council. In addition, students, faculty, and staff may apply to become members of the Conduct Council by contacting their respective constituent units. The Dean of Students or his/her designee is responsible for training and providing administrative support to the Council. Among other duties, members of the Conduct Council will sit on hearing panels designed to resolve allegations referred for a hearing in accordance with Section XV of this Code.

A. The Conduct Council shall comprise five (5) persons: one (1) student, two (2) faculty members, and two (2) staff members.

B. At the request of the Dean of Students or his/her designee, an *ad hoc* hearing panel of the Conduct Council may be established (selected from the existing Conduct Council or *bona fide* members of the AUN community) whenever a five-person hearing panel cannot be constituted or is otherwise unable to hear a case. An *ad hoc* Conduct Council hearing panel may be composed of a minimum of three persons: one (1) faculty member, one (1) student member, and one (1) staff member of the Conduct Council (or bona fide members of the AUN community.)

C. The Conduct Council, or its *ad hoc* equivalent, shall have the power to render a decision by a simple majority, and the Chair or the Hearing Administrator, following reasonable deliberations, shall, on behalf of the panel, pronounce appropriate sanctions (sentence) as prescribed, or set forth in the —Offenses and Sanctions Guidelines in certain circumstance, the Director of Judicial affairs or designee shall break a tie where such exist.

D. Members of the Conduct Council who are charged with any violation of this Code, other University policies, or a criminal offense may be suspended from their positions by the Dean of Students while charges against them are pending. Members found responsible for any such violation or offense may be disqualified from any further participation in the University discipline system. Additional grounds and procedures for removal may be established by the Dean of Students.

XI. Advisors

At their own discretion, complainants and respondents may be advised by an AUN student, faculty, or staff member. The role of advisors is limited to consultation. While advisors may be present at disciplinary conferences or hearings, they may not address hearing bodies, speak in disciplinary proceedings, or question witnesses. Because the purpose of this disciplinary process is to provide a fair review of alleged violations of this Code rather than a formal legal proceeding, participation of persons acting as legal counsel is not permitted

XII. Standards of Due Process

Students who may be subject to dismissal, suspension, or removal from the University housing will be referred to the Director of Judicial Affairs and will be responsible for their off-campus necessitates including ticket back home. The Director, in consultation with the Dean of Students, may determine the case at first instance or refer it to a disciplinary hearing, as specified in Section XV of this Code. Students who may be subject to lesser sanctions for nonacademic misconduct will be referred to a disciplinary conference, as set forth in Section XIV of this Code. Formal rules of evidence will not be applied, nor will deviations from prescribed procedures necessarily invalidate a decision, unless significant prejudice to a student respondent or the University may result.

XIII. Procedures for Case Resolution

A. Mediation is encouraged as an alternative means to resolve some disciplinary cases. The Dean of Students will determine if mediation is appropriate. The Dean, at his or her discretion, may decline to process a complaint until the parties in a nonacademic misconduct case make a reasonable attempt to achieve a mediated settlement. To be binding in a disciplinary case, any mediated settlement must be approved by the Dean of Students. If mediation fails, the case will be forwarded for a disciplinary conference.

B. Any AUN student, faculty, or staff member may refer a student, student group, or organization suspected of violating this Code to the Director of Judicial Affairs. Those referring cases are normally expected to serve as the complainant and to present relevant evidence in hearings or disciplinary conferences. The complainant may request the assistance of an advisor, as set forth in Section XI of this Code. A written complaint must be filed with the Director of Judicial Affairs within 15 days (excluding

weekends, official University holidays, Fall and Spring breaks) of the occurrence or discovery of the alleged infraction(s). Complainants filing cases after the 15- day filing period may request in writing an extension of the filing period from the Director of Judicial Affairs. Requests for waivers of the filing period may be made up to one major semester (Fall or Spring) after the date of discovery of the alleged incident. In such cases, the Director will evaluate whether a reasonable person might be justified in filing after the 15-day period due to the nature of the charges alleged. The deadline for filing a case will also be extended if there is an alleged violation of the University ‘s discrimination and discriminatory harassment policy, sexual discrimination and harassment policy, whistleblower policy, or a Conduct Code violation involving rape, sexual assault, or stalking. In such cases, the complainant will have one semester from the date of discovery within which to file a complaint as set forth in this Student Code of Conduct.

C. The Director of Judicial Affairs will conduct a preliminary review to determine whether the alleged misconduct, if proved, might result in dismissal, suspension, or removal from university housing. Students, who may be subject to removal from university housing, suspension, or dismissal, will have their case determined by the Director of Judicial Affairs who will then make recommendation to the Dean of Students, unless the Director refers the case to a Conduct Council panel. Students who are unlikely to be subject to removal from university housing, suspension, or dismissal will be referred to a disciplinary conference or a disciplinary hearing with a hearing officer (either the Director of Judicial Affairs or his/her designee), as set forth in Section XIV of this Code.

D. Students referred for a disciplinary hearing by the Director of Judicial Affairs may elect to have their cases resolved in a disciplinary conference in accordance with Section XIV of this Code. Such an election must be in writing, affirming that the student is aware a hearing is being waived. The full range of sanctions may be imposed, including removal from the University housing, suspension, or dismissal from the University. Both the findings and the sanctions determined by the hearing officer will be regarded as recommendations to the President or his/her designee in the case of removal from university housing, suspension, or dismissal.

E. Hearing panel members, complainants, and respondents will have the right to question relevant witnesses who testify at disciplinary hearings.

F. The University may withhold awarding a diploma or degree otherwise earned until the completion of the process as set forth in this Code, including the completion of all sanctions imposed, if any. Withholding of a diploma or degree means the withholding of a diploma or degree otherwise earned for a defined period or until the completion of assigned sanctions.

XIV. Procedures for Disciplinary Conferences (Minor offenses)

Students accused of nonacademic offenses that will likely result in penalties less than removal from the University housing, suspension, or dismissal could be subject to a disciplinary conference with a hearing officer. The Director of Judicial Affairs or designee will serve as the hearing officer and conduct the disciplinary conference. Any party may challenge a hearing officer on the ground of personal bias. The hearing officer may be disqualified by the Dean of Students.

The hearing officer will make inquiries into evidence if necessary to ensure a just outcome of the case. Respondents who fail to appear after proper notice will be deemed to have pled no contest to the charges pending against them. Nonetheless, the complainant will be required to file a case that meets the standard of a preponderance of evidence.

In complex cases, the Director of Judicial Affairs, at his or her discretion, may refer the case to a disciplinary conference board. Such Conference board members, as opposed to the Conduct Council, will be selected by the Dean of Students. The board will consist of one hearing officer and two Conduct Council members, including at least one student.

Decisions of the disciplinary conference board are determined by majority vote and are final. The Dean of Students will review all disciplinary conference decisions to ensure their procedural integrity and consistency with the outcomes of prior disciplinary cases. In cases of minor violations where the Dean of Students serves as the hearing officer, the President or his/her designee will conduct the review.

The following procedural protections are provided to respondents in disciplinary conferences:

A. written notice of the specific charges at least three business days prior to the scheduled conference with additional time at the discretion of the Director of Judicial Affairs,

B. reasonable access to the case file prior to and during the conference,

C. an opportunity to respond to the evidence, and

D. a right to be accompanied by an advisor, as provided in Section XI of this Code.

XV. Procedures for Disciplinary Hearings (Major offenses)

The Director of Judicial Affairs will consult the Dean of Students before deciding any disciplinary hearing case or referring such case to a Conduct Council panel.

In cases before the Conduct Council:
A. The Dean of Students or designee may participate in hearing panel deliberations and discussions of the Conduct Council but cannot vote. The Council Chair is responsible for final decisions on all procedural issues and may modify hearing procedures, if necessary, to ensure a fair and expedient administration of the hearing.

B. The Director of Judicial Affairs shall serve respondents notice of the hearing date and the specific charges against them at least five business days in advance of the hearing. Respondents will be accorded reasonable access to the case file, which will be retained in the office of the Director of Judicial Affairs.

C. Respondents who fail to appear after proper notice will be deemed to have pled no contest to the charges pending against them. Nonetheless, the complainant will be required to present a case that meets the standard of a preponderance of evidence.

D. All hearings are closed to the public. The Director of Judicial may allow certain required persons to attend a hearing.

E. The hearing administrator will exercise control over the proceedings to avoid needless consumption of time and to achieve orderly completion of the hearing. Any person -including the respondent- who disrupts a hearing may be excluded by the hearing administrator.

F. The University will make audio recordings of hearings. A transcript of the hearing will be provided, upon written request by the respondent, who must pay for the cost of the transcript service.

G. Any party may challenge a panel member or the hearing administrator on the grounds of personal bias. Hearing panel members may be disqualified by the hearing administrator. A hearing administrator may be disqualified by a majority vote of the members of the hearing panel. Votes will be taken by secret ballot.

H. Witnesses will be asked to affirm that their testimony is truthful and may be subject to charges of violating this Code by intentionally providing false information to the University.

I. Witnesses, other than the complainant and the respondent, will be excluded from the hearing except when providing testimony to the hearing panel. All parties, the witnesses, and the public will be excluded during panel deliberations, which will not be recorded or transcribed.

J. The charges against the respondent must be established by a preponderance of evidence.

K. Formal rules of evidence will not be applicable in disciplinary proceedings conducted pursuant to this Code. The hearing administrator will abide by the rules of confidentiality and privilege but will admit all other matters into evidence which are relevant. The respondent may challenge the relevance of evidence. Irrelevant or unduly repetitious evidence may be excluded by the hearing administrator.

L. Complainants and respondents will be accorded an opportunity to ask relevant questions of witnesses who testify at the hearing.

M. Affidavits will be admitted into evidence only if signed by the affiant and witnessed by the Dean of Students or his/her designee.

N. A determination of responsibility will be followed by a supplemental proceeding in which either party may submit relevant evidence or make relevant statements concerning the appropriate sanction to be imposed. The past disciplinary record of the respondent will be supplied to the panel only during the supplementary proceeding.

O. Any determination of responsibility by majority vote of the hearing panel will be supported by written findings, which will be placed in the case file and made available to the student respondent before a final decision is rendered by the Dean of Students.

P. All members of the conduct council are bound by confidentiality before hearings and after the proceedings

XVI. Sanctions

Significant mitigating or aggravating factors will be considered when sanctions are imposed, including the present demeanor and past disciplinary record of the offender, the nature of the offense, and the severity of any damage, injury, or harm resulting from it. Repeated or aggravated violations of any part of this Code may also result in relocation or removal from university housing, suspension, or dismissal. Sanctions which may be imposed in accordance with this Code include, but are not limited to:

A. "Apology Letter" – a written admission of guilt requesting forgiveness from the complainant or offended party. A copy of the letter will be kept in the case file.

B. "Warning"—notice, oral or written, that continuation or repetition of prohibited conduct may be cause for additional disciplinary action.

C. "Censure"—a written reprimand for violation of specified regulations, including a warning that continuation or repetition of prohibited conduct may be cause for additional disciplinary action.

D. "Alcohol/Drug/Substance Abuse Education Program" – requirement to complete a university or University approved education program on alcohol/drug/substance abuse. Students sanctioned under this heading will be required to pay for all attendant costs.

E. "Disciplinary Probation"—status assigned for a designated period of time, during which any other violation of the Code may result in removal from university housing, suspension, or dismissal from the University. Students on disciplinary probation may not hold or run for any elected or appointed positions. Additional conditions appropriate to the violation may be imposed.

F. "Restitution"—repayment of the direct cost to the University for damages resulting from a violation of this Code.
G. "Relocation in University Housing"—administrative reassignment to a different residence hall and/or room.

H. "Removal from University Housing"—denial of housing privileges.

I. "Suspension"—exclusion from university premises and other privileges or activities for a specified period as set forth in the suspension notice. This action will be permanently recorded on the student's academic transcript.

J. "Expulsion"—permanent termination of student status and exclusion from university premises, privileges, and activities. This action will be permanently recorded on the student 's academic transcript.

K. "Revocation of Degree"— rescinding a student 's degree awarded by the University.

L. "Other Sanctions"—other sanctions may be imposed instead of or in addition to those specified in sections (A) through (K) of this section. Service or research projects may be assigned.

Sanctions by the code of conduct council are to be considered as recommendations to the Dean of Students and are not final.

XVII. Appeals

First instance disciplinary hearing decisions of the Conduct Council are appealable to the appeal board while disciplinary conference decisions are to the Dean of Students who may refer the appeal to the Conduct Council. All appeals shall be in keeping with the following provisions:

A. The appeals to the appeal board/panel must be in writing and delivered to judicial affairs to be processed for the appeal board's hearing within seven business days after the notice of removal from the University housing, suspension, or dismissal is delivered to the address on record for the student in the Office of the Registrar.

B. Appeals will be reviewed by an appellate board of the Conduct Council to determine their viability. The appellate board will consist of one student, one faculty member, and one staff member selected from the Conduct Council. In appeal cases from Conduct Council decisions the appellate panel will be constituted of members who did not serve on the original hearing panel. The appellate board will meet as soon as possible after the appeal is received.

C. The appellate panel will determine viability based on whether there is new information that significantly alters the finding of fact, evidence of prejudicial deprivation of rights or improper procedure, or excessive sanctions. Only when deemed viable will the appeal be forwarded to the Conduct Council or the Dean of Students for review. Decisions of the appellate board about the viability of the appeal are determined by majority vote and are final.
D. The appellate panel may deny the request for appeal and affirm the original findings or grant the request for appeal and forward its recommendations to the Dean of Students or his/her designee.

Appeals are not meant to provide a second hearing of the case. All appeals will be decided based on the report filed by the hearing officer and the appellate board, the respondent 's written statement, and any written response or memoranda prepared by University officials. All written materials

considered by the appellate board and the Dean of Students or his/her designee will be subject to inspection by the respondent. The respondent may request an opportunity to discuss the written materials in person with the Dean or his/her designee. Appeal decisions rendered by the Conduct Council, or the Dean of Students or his/her designee are final.

F. The following standards will apply when appeals are deemed viable:
1. Sanctions may be reduced only if found to be substantially disproportionate to the offense.

2. Cases may be remanded for rehearing only if:

(a) The rights deprived, specified procedural errors or errors in interpretation of the University regulations were so substantial as to deny the student a fair hearing; or

(b) New and significant evidence becomes available that could not have been discovered by a properly diligent student before or during the original hearing.

G. The imposition of sanctions will be deferred while an appeal is pending, unless, in the discretion of the Dean of Students or his/her designee, the continued presence of the student in the residence halls or on the campus poses a substantial threat to him or herself, to others, or to the stability and continuance of normal University functions.

XVIII. Disciplinary Records

Except as noted below, disciplinary records are maintained by the Office of Judicial Affairs for seven years from the date of the letter providing notice of final disciplinary action. Records for a student who is suspended, dismissed, or who withdraws with a disciplinary case pending are maintained indefinitely. Evidence collected for cases shall also form part of disciplinary records. The university reserves the right to confiscate any student item(s) that is/are associated with a reported matter for investigation/hearing/any cogent concern. Such item(s) may be kept in the custody of the Office of Judicial Affairs indefinitely.

Computer Use and Copyright Policy

All AUN faculty, staff, and registered students are given computing and network access privileges (user profile). Each person is assigned a computer account code (user ID or username) that provides access to university computing resources and systems for instructional, research, and administrative purposes. Access to these resources is a privilege, not a right. Resources include networks, laboratory systems, residence hall systems, library systems, faculty and staff office systems, and software licensed by the University or its agents for use on university systems.

Because the entire AUN community relies upon these systems to use and store important and confidential data, including software and computer programs, it is morally wrong and strictly prohibited for individuals to access or attempt to access or view any account, file, and/or software for which they do not have specific authorization. Also, it is prohibited to disrupt, delay, endanger, or expose someone ‘s work or University operations.

Prohibited actions include, but are not limited to, the following:

• providing computer access to unauthorized persons (e.g., by loaning your account to someone else or disclosing someone ‘s password to a third party);

• disrupting access to a computer system, network, or files (e.g., by crashing a public system; releasing viruses; attempting to learn or alter someone ‘s password; tying up computer resources, printers or operating systems; or using computer systems for illegal activities).

• accessing or changing someone ‘s files without permission.

• downloading or uploading unauthorized copyrighted materials; and

• using e-mail or messaging services to harass or intimidate another person (e.g., by broadcasting unsolicited messages, repeatedly sending unwanted mail, or using another individual ‘s name or username); and the American University of Nigeria computing accounts are provided to assist in University and University-related work only. No commercial activity is permitted unless approved in advance and in writing by Information Technology.

Violations and Sanctions

Violations of this policy will be adjudicated by appropriate University processes and may result in the following sanctions:

• Temporary or permanent loss of access privileges.
• University judicial sanctions as prescribed by student, faculty, or staff behavioral codes, including dismissal or termination from the University.
• Remedial education.
• Monetary reimbursement to the University or other appropriate sources.

• Prosecution under applicable civil or criminal laws (violations of local, state and federal law may be referred to the appropriate authorities).

The University will take any action that in its sole discretion is necessary to investigate and address violations of this policy, including temporarily or permanently terminating computer use privileges pending the outcome of an investigation or a finding that this policy has been violated.

Network Security

To provide secure electronic communications, the University must protect the physical and logical integrity of its networks, systems, data, and software. Some potential security threats include unauthorized intrusions, malicious misuse, and inadvertent compromise.

Each account is assigned to a single individual, who is responsible for all computer usage under that account. Any attempt to circumvent or subvert system or network security measures is prohibited. In the event of alleged or detected prohibited activities, the University will pursue the owner of the account. Individual passwords should be kept secret and changed periodically to prevent unauthorized access. Students must promptly report any suspicious illegal or unethical usage or activities executed via the AUN network to Judicial Affairs whether as an act committed by oneself or by another individual(s).

Privacy

As a matter of course, University IT staff do not investigate private, individual accounts and data. However, the University reserves the right to view or scan any file, email, data or software stored on university systems or transmitted over university networks. This will be done periodically to verify that software and hardware are working correctly, to look for particular kinds of data or software (such as computer viruses), or to audit the use of university resources. Policy violations discovered in this process will be acted upon.

Electronic mail and messages sent through computer networks, including the Internet, may not be confidential while in transit or on the destination computer system. Any data on university computing systems may be copied to backup devices periodically. IT will make reasonable efforts to maintain confidentiality, but individuals may wish to encrypt their data. If encryption software is used, the individual is responsible for it.

Traffic Policies

All students are required to adhere to all traffic regulations on AUN campus. These are AUN, local, state, and federal regulations.

A. Student campus driving is a privilege, not a right. As such, only documented Third Year and graduating Fourth Year have the driving privilege. Driving privilege on university grounds is limited to duly registered vehicles.

B. Authorized vehicle operators on university grounds must carry a valid driver license, current vehicle insurance, and a valid AUN student ID. Violators may receive a monetary fine, or a written

warning. Repeat violators shall lose their driving privilege immediately and may be handed to the police for further actions.

C. Authorized vehicle operators involved in driving accidents resulting from reckless driving may, apart from losing their driving privilege, may be handed over to the police for further action.

Appendix A

ACADEMIC INTEGRITY CODE

Preamble

The central commitment of the American University of Nigeria (AUN) is to develop thoughtful and responsible human beings with the highest moral and ethical standards, within the context of a very diverse yet collaborative academic environment. This commitment is founded on the following core values of the University: Tolerance and understanding among national, ethnic, and religious groups; Freedom of Expression; Non-discrimination in the admission and employment processes regarding gender, age, religion, nationality, ethnicity, physical ability, political affiliation, or personal relationships. Excellence and integrity are the core principles that guide us.

This Academic Integrity Code is designed to benefit and assist the AUN community in forming the highest standards of ethics and morals among its members. It is designed to foster the University 's commitment to excellence and equity, while affirming the shared values that make community life possible. Students with alleged violations of the Academic Integrity Code should contact the Office of the Dean of their respective program to receive further information on disciplinary procedures.

I. Authority for Academic Integrity

Ultimate authority for all University policies is vested in the Board of Trustees of the American University of Nigeria. Academic disciplinary authority has been delegated by the President to the Academic Vice-President.

Primary responsibility for ensuring academic honesty rests with the faculty. In practice, the resolution of academic integrity cases may involve an array of the University administrators, committees of students, staff, and faculty. Students are expected to assume positions of responsibility in the University judicial system to contribute their skills and insights to the resolution of academic integrity cases. The University reserves the right to amend this Academic Integrity Code at any time according to the established procedures.

II. Responsibilities and Rights

A. Every student has a duty to read, understand and abide by the rules and regulations of the University. Ignorance of a rule or regulation will not be an acceptable defense. Students accused of Academic Integrity Code violations are entitled to the following procedural protections:

1. To be informed of the charges against them.
2. To request an informal resolution of the case.
3. To be allowed reasonable time to prepare a defense.
4. To hear and respond to evidence upon which a charge is based.
5. To call relevant witnesses and question the witnesses who testify in Code violation proceedings.

6. To be assured of confidentiality according to the terms of the University policy on confidentiality.
7. To request that any person conducting an integrity session or serving as an Integrity Council member be disqualified on the grounds of personal bias.
8. To be provided with an opportunity to review these rights before any integrity session or hearing.
9. To be considered not responsible for the charges until found responsible by a preponderance of evidence; and
10. To have reasonable access to the case file prior to and during the integrity session or hearing.

III. **Jurisdiction**

The Academic Integrity Code (—Integrity Code‖) is the University ‘s policy for academic integrity offenses and applies to all students, student groups, and student organizations at AUN.

The University retains jurisdiction over alleged infractions that occur during a student ‘s matriculation or attendance at the University, including Fall, Spring, and Summer breaks and periods of leave of absence from the University. Therefore, a hearing may be scheduled after a student has completed a program, withdrawn, or graduated from the University.

Generally, the University ‘s jurisdiction is invoked where the alleged violation relates to any academic endeavor administered, in whole or in part, by AUN, including but not limited to examinations, research papers, projects, internships, study abroad programs and other credit bearing activities or programs. Nothing in this section shall construe the University ‘s jurisdiction to take action when, in the judgment of the University officials, a student ‘s alleged misconduct has a negative effect on the University ‘s pursuit of its mission or on the wellbeing of the greater community.

IV. **Academic Integrity Code Infractions**

This Integrity Code is not written with the specificity of a criminal statute, nor is it intended to cover every instance of potentially prohibited conduct. The American University of Nigeria expects its students, wherever they are, to adhere to high standards of honor and good citizenship and to conduct themselves in a responsible manner that brings credit to themselves and the University.

Attempting to commit; aiding, abetting, or inciting others to engage in any prohibited conduct is punishable under this Integrity Code and may be considered as serious as engaging in the violation itself. Retaliating against anyone who reports an alleged violation of the Integrity Code, a witness or participant in any Integrity Code proceeding or investigation is also prohibited and shall be dealt with accordingly.

The following misconduct shall violate the Academic Integrity Code:

A. Plagiarism – submitting the academic work of another as one ‘s own. Plagiarism includes but is not limited to fabricating citations, downloading from the internet, cutting and pasting information, using another ‘s idea/words without proper attribution; and fabricating any professional source or work as one ‘s own.

B. Copying – copying an unsuspecting person ‘s work or collaborative/complicit copying; unauthorized passing of answers or notes during an exam; prohibited discussion of exam questions or answers.

C. Cheating – using cheat sheets of any kind, pre-programming a device or loading prohibited material, or using textbooks or reference materials during a closed book examination.

D. Unauthorized Submission of Previous Work – submitting a paper, lab work or any other assignment that was previously submitted without authorization from the faculty member.

E. Altering – changing one 's own or another's academic work/results in order to deceive or gain undue credit.

F. Unauthorized Exam Possession/Purchase/Distribution/Sale/removal – any possession, purchase, delivery, removal, distribution or sale of any academic material(s) without the faculty member 's permission or approval from the designated office or person.

G. Passing off – Sitting in place of another to take a test or engage in any academic project or exercise or causing another person to do so on one 's behalf.

H. Facilitating Academic Dishonesty – causing, aiding, or abetting academic dishonesty by another.

I. Other Academic Misconduct - this covers any other form of academic misconduct not contemplated in (A) – (H) above.

V. **Procedures for Academic Dishonesty Cases Before the Faculty**

A. Whenever academic dishonesty is suspected, the faculty member will conduct preliminary investigations and will, if circumstances permit, give the student an opportunity to explain the conduct forming the basis of the allegation.

B. If a preponderance of the evidence shows that the student violated this Integrity Code; the faculty member shall formally charge the student using the Academic Infraction Form. The Form will state the particulars of the charge, the evidence forming the basis of the charge and the sanction imposed. The faculty member will review the duly filled Academic Infraction Form with the student who has the option to:

1. Accept the charge and the sanction.
2. Accept the charge but not the sanction imposed; or
3. Deny the charge.

C. The faculty member may allow up to 5 business days (excluding University approved holidays and weekends) for the student to sign and return the Academic Infraction Form. If there are no extenuating circumstances, a student who does not sign and return the Academic Infraction Form by the specified deadline will be deemed to have accepted each charge and sanction imposed.

D. If the student accepts the charges and the sanction the case is closed, and the sanction takes effect immediately. The faculty member will notify all relevant parties including the Dean, the

Academic Registrar, and the Academic Advising Department, by sending them a copy of the Academic Infraction Form.

E. Where there is a dispute as to the charges or sanction imposed, the faculty member will refer the case to the Chair of the Academic Integrity Council which shall hear the case in accordance with the procedures under Section VI below.

F. Faculty members may only impose academic sanctions for violations of the Academic Integrity Code. Cases that warrant disciplinary sanctions must be referred to the Academic Integrity Council under Section VI of the Integrity Code for final determination.

VI. **The Academic Integrity Council**

Any member of the AUN community may refer an alleged violation of the Integrity Code to the Academic Integrity Council (Integrity Council). The Integrity Council will consist of faculty and students: eight (8) faculty members chosen by the Faculty Senate or by the Provost/VP Academic; and one (1) student to be chosen by the Student Government Association. Once selected, members of the Academic Integrity Council will choose their Chair by a simple majority vote. The Academic Vice-President or his/her designee is responsible for training and providing administrative support to the Integrity Council. Among other duties, members of the Integrity Council will sit on the integrity panel and adjudicate cases of first instance or alleged violations referred for a hearing in accordance with Section V of this Integrity Code. The Chair is the primary contact person for the Academic Integrity Council and will be responsible for general management of Integrity Council affairs including selecting members of integrity panels.

A. An integrity panel shall comprise five (5) persons: four (4) faculty members and one (1) student. If possible, each School/College at AUN shall have at least one (1) faculty representative in the integrity panel. An Integrity Administrator shall be elected by a simple majority vote by members of the integrity panel. Whenever the Chair of the Academic Integrity Council sits on an integrity panel, he/she will serve as the Integrity Administrator. The Integrity Administrator is responsible for conducting the hearing and ensuring proper procedure is followed in the adjudication of cases before the integrity panel.

B. The Academic Vice-President or designee may establish an *ad hoc* integrity panel (selected from the existing Academic Integrity Council or *bona fide* members of the AUN community) whenever a five-person integrity panel cannot be constituted or is otherwise unable to hear a case. An *ad hoc* Conduct Council hearing panel will be composed of a minimum of three persons: two (2) faculty members, and one (1) student member (or *bona fide* members of the AUN community.)

C. The Integrity Council, or its *ad hoc* equivalent, shall have the power to render a decision by a simple majority, and the Integrity Administrator, following reasonable deliberations, shall, on behalf of the panel, pronounce appropriate sanctions (sentence) as prescribed, or set forth in the ―Offenses and Sanctions Guidelines‖

D. Members of the Integrity Council who are charged with any violation of this Integrity Code, other University policies, or a criminal offense may be suspended from their positions by the Academic Vice-President while charges against them are pending. Members found responsible for any such violation or offense may be disqualified from any further participation in the University disciplinary system. The Academic Vice-President may establish additional grounds and procedures for removal.

VII. **Procedures for Integrity Panel Hearings**

Any person accused of an academic offense that will likely result in sanctions such as assignment of F* grade, suspension or dismissal is subject to an integrity panel hearing before an Integrity Administrator. In all other cases brought by a member of the AUN community directly to the Academic Integrity Council, the Chair of the Council may, in his/her discretion, decide to constitute an integrity panel to determine the case, or he/she may decide to refer the case to the relevant faculty member for adjudication. In making this decision, the Chair shall give deference to the fact that faculty members acting in their capacity as teachers are well positioned to educate on matters of academic integrity based on the unique relationship between the faculty member and the student. Cases referred to the faculty member shall follow the procedures set forth in Section V of this Integrity Code. In cases before an integrity panel, the following procedures will apply:

A. The student shall have the right to at least five (5) business days (excluding holidays and weekends) notice of the hearing.

B. The student shall have the right to appear before the integrity panel to contest the charges and/or to provide additional relevant information.

C. The student will have the right to an advisor; to examine relevant portions of the case file; to take notes; and to confront witnesses or respond to evidence presented.

D. The student may waive his or her right to attend the hearing. In this case the integrity panel will rely on the written record, including submissions by the student, to reach a conclusion.

E. The faculty member shall have the right to appear before the integrity panel to discuss the charge.

F. The panel shall determine the case based on a preponderance of the evidence.

G. If the panel determines that academic misconduct has occurred; the student ‘s previous violation(s) of the Academic Integrity Code may be used in deciding the appropriate sanction only. A student ‘s prior record will under no circumstances be used to determine guilt in a case of alleged academic dishonesty.

H. The integrity panel may:

i. Affirm the charges and academic sanction proposed by the faculty member,
ii. Impose a new/different sanction, or
iii. Dismiss the case if there is insufficient evidence to support the charge.

I. A written copy of the integrity panel ‘s decision shall be given to the student and faculty member.

II. The results of any integrity panel hearing shall be reported by the Integrity Administrator to the Chair of the Academic Integrity Council who will, in turn, notify the Academic Vice-President, Dean, Registrar, Department of Academic Advising and other relevant parties.

VIII. **Appeals**

Decisions of the Academic Integrity Council are appealable by either party (faculty member or student) to the Academic Vice-President. All appeals shall be in keeping with the following provisions:

A. The appeal must be in writing and delivered to the Chair of the Academic Integrity Council within five (5) business days after the decision of the integrity panel is delivered to the address on record for the student in the Office of the Registrar.

B. Appeals will be reviewed by an appellate board of the Academic Integrity Council to determine their viability. The appellate board will consist of at least three (3) but no more than five (5) members selected by the Chair from the Academic Integrity Council. The appellate panel will be constituted of members who did not serve on the original integrity panel. The appellate board will meet as soon as possible after the appeal is received.

C. The appellate panel will determine viability based on whether there is:

i. new information that significantly alters the finding of fact,
ii. evidence of prejudicial deprivation of rights or improper procedure, or
iii. a clear indication that the sanction(s) imposed is excessive.

Only when deemed viable will the appeal be forwarded to the Academic Vice-President or his/her designee for review. Decisions of the appellate panel about the viability of the appeal are determined by majority vote and are final.

D. The appellate panel may deny the request for appeal and affirm the original findings or grant the request for appeal and forward its recommendations to the Academic Vice-President or his/her designee.

Appeals are not meant to provide a second hearing of the case. All appeals will be decided based solely on the case record which includes but is not limited to any reports filed by the faculty member, Integrity Administrator or appellate panel; the respondent ‘s written statement; and any written response or memoranda prepared in the process of an academic integrity investigation or proceeding. All written materials considered by the appellate panel and the Academic Vice-President or his/her designee would be subject to inspection by the parties to the appeal. Nothing in this section shall prevent the Academic Vice-President or designee from discussing the written materials in person with the parties. Appeal decisions rendered by the Academic Vice-President or his/her designee are final.

F. The following standards will apply when appeals are deemed viable:

i. Sanctions may be reduced only if found to be substantially disproportionate to the offense.

ii. Cases may be remanded for rehearing only if:

(a) The rights deprived, specified procedural errors or errors in interpretation of the University regulations were so substantial as to deny the student a fair hearing; or

(b) New and significant evidence becomes available that could not have been discovered by a properly diligent person before or during the original hearing.

G. The imposition of sanctions will be deferred while an appeal is pending, unless the Academic Vice-President or his/her designee determines that the circumstances require immediate enforcement of the sanction(s).

The University reserves the right to confiscate any student item(s) that is/are associated with a reported matter for investigation/hearing/any cogent concern.

IX. **Sanctions**

Significant mitigating or aggravating factors will be considered when sanctions are imposed, including the present demeanor and past disciplinary record of the offender, and the nature and severity of the offense. Sanctions, which may be imposed in accordance with this Integrity Code include, but are not limited to:

A. "Apology Letter" – a written admission of guilt requesting forgiveness from the complainant or offended party. A copy of the letter will be kept in the case file.

B. "Warning"—notice, oral or written, that continuation or repetition of prohibited conduct may be cause for additional disciplinary action.

C. "Censure"—a written reprimand for violation of specified regulations, including a warning that continuation or repetition of prohibited conduct may be cause for additional disciplinary action.

D. "Grade Modification" – includes reduced grade in the specific assignment to reduced grade in the course, entering an F (failing) grade for the specific assignment or entire course without a transcript notation of academic dishonesty.

E. "F Grade"* – assignment of an F grade with a transcript notation that the failure is due to academic dishonesty. This sanction should be reserved for severe violations and can only be imposed by the Academic Integrity Council and/or the Academic Vice-President.

F. "Academic Probation"—status assigned for a designated period, during which the student is required to abide by specified academic conditions and failure to do so may result in more severe sanctions being imposed.

G. "Document Review and/or Reflection Paper"— the student may be required to review academic literature and write a research or reflection paper to compel exploration of a particular topic.

H. "Suspension"—exclusion from university premises and other privileges or activities for a specified period as set forth in the suspension notice. This action will be permanently recorded on the student 's academic transcript.

I. "Expulsion"—permanent termination of student status and exclusion from university premises, privileges, and activities. This action will be permanently recorded on the student 's academic transcript.

J. "Revocation of Degree"— rescinding a student 's degree awarded by the University.

K. "Other Sanctions"—other sanctions may be imposed instead of or in addition to those specified in sections (A) through (J) of this section.

There shall always be a comprehensive sanctioning guideline for code matters. The responsibility for this shall rest on the judicial affairs office.

X. **Record Keeping**

The Office of the Judicial Affairs is responsible for central record keeping in academic integrity cases. The Registrar will only disclose such records in accordance with university regulations and policies on confidentiality and notification of third parties.

Code of Conduct allegations are processed in accordance with procedures set forth in the Conduct Code. Students could be subject to both the Student Code of Conduct and the Academic Integrity Code in cases where there is a combination of alleged violations of academic and nonacademic regulations. Where there is/are any combinations of allegations (conduct and academic integrity) or conflicts whether procedurally or otherwise, the Director of Judicial Affairs will put up a recommendation to both the DSA and Academic VP or those in charge.

Appendix B

AUN SEXUAL HARASSMENT POLICY

Applicability:

This policy applies to all students, student bodies and organizations of the American University of Nigeria.

1. Introduction:

The American University of Nigeria is committed to providing students with an environment where they can pursue their studies without being sexually harassed. Sexual harassment of or by any member of the University community against a student(s) is unacceptable and will not be tolerated.

I. Purpose:

The purpose of this policy is defined as follows: unsolicited sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature constitute sexual harassment when: 1) submission to or rejection of such conduct is made either explicitly or implicitly a term or condition of an individual's employment or academic work; or 2) submission to or rejection of such conduct by an individual is used as the basis for employment or academic decisions affecting such individual; or 3) such conduct has the purpose or effect of unreasonably interfering with an individual's performance or creating an intimidating, hostile or sexually offensive working or academic environment. Examples of sexual harassment include, but are not limited to the following:

a. Repeated unwanted sexual flirtations, advances, or propositions.
b. Continued or repeated verbal abuse or innuendo of a sexual nature.
c. Uninvited physical contact such as touching, hugging, patting, brushing, or pinching.
d. Verbal comments of a sexual nature about an individual's body or sexual terms used to describe and individual.
e. Display of pictures, posters, or cartoons that a reasonable person would find offensive or sexually suggestive.
f. Continued or repeated jokes, language, epithets, or remarks of a sexual nature.
g. Prolonged staring or leering.
h. making obscene gestures or suggestive or insulting sounds.
i. Demand for sexual favors accompanied by an implied or overt threat concerning an individual's employment or academic status or promises of preferential treatment.
j. Incident exposure etc.

ii. Procedure:

In determining whether an alleged incident constitutes sexual harassment, the judicial affairs office will look at the totality of the circumstances, such as the nature of the sexual advances and the context in which the alleged incidents occurred. The final decision regarding a suitable penalty will be made from the finding of fact on a case-by-case basis and from any record of previous sexual harassment by the Respondent.

The University recognizes that it has a responsibility to provide a procedure for rapid and equitable resolution of all sexual harassment complaints. In many instances, resolution can be reached without the need for formal measures. The goal in all instances is to ensure that inappropriate and offensive behavior is stopped. To assist Complainants in resolving sexual harassment complaints, the University has established both informal and formal procedures, and has identified a well-trained cadre of individuals, "Complaint Handlers", the judicial personnel as "complaint handler" who can advise parties of appropriate options and procedures. Hearing procedure shall be conducted by the code of conduct council in its usual manner of all conduct matters but with due diligence to the totality of the circumstances of the case at hand.

2. Informal Resolution

In some circumstances informal resolution of a complaint prior to or instead of initiating the formal process may be more satisfactory than directly proceeding to a formal grievance. Informal resolution options include, but are not limited to, self-help; consultation and action at the department level; or mediation through the judicial affairs office.

3. Formal Resolution (Filing A Formal Grievance)

Complainants who are dissatisfied with or do not wish to utilize informal resolution should consult directly with the judicial affairs office to determine the appropriateness of filing a formal grievance. Although informal resolution attempts are not required prior to filing a formal grievance, they are nonetheless encouraged. Any individual who chooses to file a formal sexual harassment grievance may do so immediately following the incident giving rise to the complaint or following efforts to reach an informal settlement.

i. Confidentiality

All parties involved in any aspect of this process will always act to preserve the confidentiality of these proceedings. Information will be shared with those individuals who have a legitimate and operational need to be informed, and to the extent that it is necessary to maintain the effectiveness of this process. Individuals found to have violated the confidentiality of this process may be subject to disciplinary proceedings consistent with the appropriate AUN policy.

ii. Deadlines

A Complainant has till graduation following an incident to initiate a complaint under this policy and procedures unless he or she can show good reason for having that deadline waived. Complainants or affected students and persons are advised to report any incident immediately. Requests for exceptions to the filing deadline must be made in writing to the director judicial affairs who will render a decision in writing following his or her review of the request. In some instances, particularly when a pattern of behavior is the subject of the complaint, supporting evidence may include reports of behavior that occurred outside of the twelve-month filing deadline. Such evidence is not subject to the exception requirement. Failure to meet any of the deadlines stipulated in this procedure will not result in a decision by default or prevent the process from continuing. After the Complainant or accused student graduates, the University may not have jurisdiction to adjudicate such complaints except otherwise as determined by Judicial Affairs.

iii. Requirements for Participation and Withdrawals

If a Respondent fails to answer a charge or to participate in this process, the judicial affairs director will submit the case for adjudication at the conduct council. Failure to respond to a claim or to appear at a hearing will be considered a breach of responsibility and could result in disciplinary action. Furthermore, a Respondent will not prevent this process from proceeding by his or her silence or absence; failure to appear may result in the hearing proceeding solely based on the Complainant's testimony and evidence. None of the above actions should be construed to impinge upon the right of the University to initiate or continue a claim despite a request to withdraw when, in the opinion of the Dean of Students, the allegations are sufficiently egregious to merit further action on the part of the University. The alleged victim will be relied upon to serve as a witness under these circumstances.

iv. Retaliation

No individual shall be retaliated or discriminated against for participating in these procedures. Any act of retaliation directed against the person(s) participating in these procedures is illegal. Complaints of retaliation should be addressed to the director of judicial affairs who will determine the appropriate action.

In no event will it be filed greater than twelve months following the incident which gave rise to the complaint unless otherwise. Staff from the judicial affairs office will initially meet with the Complainant to assess the complaint, including the appropriateness of the complaint being filed under this Policy and Procedures. The judicial affairs office will then advise the Complainant of appropriate next steps.

AUN Whistleblowing Site

The whistleblowing site is available at: https://whistle.aun.edu.ng
It allows any AUN community member to anonymously report a violation of our Safeguarding and Sexual Harassment policies.

Appendix C

ZERO TOLERANCE POLICY AGAINST ALCOHOL AND ILLICIT DRUGS ON AUN CAMPUS

Applicability:

This policy applies to all students, student bodies and organizations of the American University of Nigeria, Yola, Adamawa State and particularly, students at the undergraduate level and should be enforced in all departments, divisions, schools, colleges, units, faculty, staff, residential areas, and any external entity and/or individual serving alcohol on University Property.

I. Introduction:

The purpose of this policy is to clarify and inform students of the AUN's position on alcohol and illicit drugs, and the procedure when the policy is violated. The University recognizes that alcohol use can adversely impact its most important concerns: Academic excellence, student development, health, and safety of the campus community at large. The success of this policy is premised on the belief that each person has a role in responding to this issue. It is also the belief that substance abuse is a solvable problem which must be addressed systematically, fairly, and with due process.

II.Purpose:

The purpose of this policy is to provide a vehicle for accomplishing the following:

1. Promote a healthy environment for students.
2. Maximize the opportunities for academic excellence and student development.
3. Discourage the use, sale, distribution or transfer of alcohol and illicit drugs, and the impression of the presence of alcohol and illicit drugs on the AUN campus.
4. Demonstrate the University's commitment to provide early intervention, counseling, and referral services to each student of the campus community.

III. Definitions:

a. "Alcohol" means any alcoholic beverages which are beer, wine, liquor, spirits, hard cider, and related substances.

b. Illicit drugs mean drugs that are not legally permitted or authorized, unlicensed, unlawful drugs.

c. "AUN" means the American University of Nigeria, Yola and includes all its subsidiaries.

d. "Event" means a conference, fundraising event, where meals are served, meetings or any other gathering (formal or informal) on University Property. If the Event occurs off University Property (including private residences) and any part of the cost of the Event is paid using University funds it is an Event as defined herein.

e. "Licensed Premise" means a specific location where the sale and service of alcohol for consumption on the location has been authorized under law. The only licensed place at AUN currently is: AUN Club.

f. "Sale of Alcohol or Illicit Drugs" means that alcohol or drugs is/are served or delivered for value.

g. "University Property" means any property owned, leased, licensed or otherwise under the control of the American University of Nigeria, AUN.

IV. General Rules and Principles:

1) AUN operates a zero tolerance to alcohol and illicit drugs. All students are personally responsible for their behavior, and all students should consider themselves responsible for the safety of themselves and all fellow students as regards to alcohol consumption or drug use outside the AUN property or associated event locations.

2) Students, student organizations or associations violating campus alcohol rules will be sanctioned under this policy, with sanctions ranging from fines to expulsion.

3) This zero tolerance Policy is based on a philosophy of shared governance between AUN and students regarding use, possession, sale and distribution of alcohol or illicit drugs on campus.
   a. Serving alcohol at the AUN Club by either AUN staff, faculty or visitors, or service at other locations where alcohol can be sold shall be forbidden to all AUN students except post graduate students of AUN and non AUN students.

   b. Self-service of alcohol is prohibited. Students attending the event shall not pour their own alcohol or be given direct access to coolers, kegs, bottles, or containers containing alcohol; neither are students expected to drink, possess, keep, or hold all such empty containers of alcohol or illicit drugs.

   c. AUN Club staff, when in doubt regarding serving alcohol to any customer who may be perceived as an AUN student, will ask for an AUN Student ID card to verify the customer's identity. This is the extent of the responsibility by club staff. However, club staff are expected to exhibit a good sense of judgment in this respect.

   d. AUN undergraduate students cannot become AUN Club Members unless they are part of a family membership that is obtained by a full time employed faculty or staff member.

4) It is also a violation of university policy for anyone to be under the influence of alcohol on the campus or at a university-related activity off campus. Anyone violating these policies is subject to disciplinary action ranging from warning to expulsion.

5) This zero-tolerance policy prohibits any AUN student except postgraduate students from drinking alcohol and makes it illegal to buy alcohol for, or serve alcohol to, any student. AUN will not sell, serve, or provide alcoholic beverages to any student. AUN is a dry campus, and it adheres to all federal enactment and local laws in this respect.

6) Student health and safety is a primary concern in cases of possible alcohol intoxication or alcohol-related injury. If a student on campus becomes endangered by alcohol use, students should contact the AUN Clinic, the duty of which is to provide medical assistance, not to report violations of policy.

Reporting violations can be done afterwards. In these situations, AUN is most concerned that students who need care receive medical attention.

7) Other intoxicating substances, local brewed drinks which are intoxicating, grain alcohol of any type are always prohibited from campus.

8) Every impression of alcohol whether empty bottles, containers of alcoholic drinks and substances associated with alcohol are not permitted on campus. Students who own, harbor, possess or store these items shall be subjected to investigation and if found wanting dealt with judicially.

9) AUN students are equally prohibited from taking, serving, selling, or storing any kind of mixed drinks made from or with alcohol are prohibited in AUN and all AUN property,

10) Retaliating against anyone who reports an alleged violation of this policy, a witness or participant in any proceedings or investigation is also prohibited and shall be concerned a major misconduct which shall be dealt with decisively.

VI Illicit Drug Use and Drug misuse:

1) Unlawful possession of illicit drugs e.g. marijuana, heroin, amphetamines, tramadol etc.
2) Drug paraphernalia used with illicit drugs or possession of such paraphernalia.
3) Unauthorized possession of a hypodermic syringe or needle, or any instrument adapted for the administration of controlled substances by injection.
4) Unlawful sale/consumption/possession/distribution/manufacture of illicit drugs or controlled drugs.
5) Being in the place where any of the above is committed.

Extension:

1. If any existing AUN, department, school, or unit policy or practice conflicts with this policy, this policy shall take precedence.
2. Any applicable federal, state, or local laws shall take precedence over this policy in the event of any conflict.

Appendix D

THE AUN SUSTAINABILITY PROGRAM

AUN offers its students a myriad of opportunities to support its campus-wide commitment to environmental sustainability. The university's program of sustainability – which includes student activities, academic programs, campus management**, sustainability driven research and incubated initiatives, project implementation and management from donor funds, community outreach, green construction, exhibitions and conferences –** reflects its mandate to be Africa's development university.

Background: As a development university, we place special emphasis on promoting economic expansion that alleviates poverty, increases education, improves government, and uplifts peoples who might otherwise be left behind. Over the last few decades, the concept of development has been expanded to address the broader objective of sustainable development, which includes not just expanded economic opportunity, but also environmental protection and social equity.
As defined in the 1987 Brundtland Commission Report Our Common Future, sustainable development is

> **…development that meets the needs of the present without compromising the ability of future generations to meet their own needs**

As a development University, AUN unequivocally embraces the sustainability component of sustainable development. We define sustainability as a planning process and operating condition that continually reduces our university's dependence on finite resources such as fossil fuels that avoids wasteful usage of potentially renewable resources such as water and food, and that minimizes environmental damages from pollution and waste. We include in our definition of sustainability the progressive elimination of limitations and barriers to a just and equitable society. Finally, we emphasize the importance not just of continuously reducing any adverse environmental impacts but also of increasing the environmental benefits of our presence in the community, extending those exported environmental and social benefits as widely as possible.
Our goal at AUN is to integrate the concept of sustainability into our curriculum, management, operations, facilities, and community engagement. Evidence of the University's commitment to sustainability includes:

- A new hotel and conference center with insulation (rare in West Africa) and biodigestion for processing sanitary waste into fertilizer
- Installation of energy efficient lighting
- An enterprise-driven recycling program that fosters entrepreneurism in the local community.
- A permaculture-based landscape that minimizes water use, provides wildlife habitat, and strives to protect the school from the effects of advancing desertification
- Commissioning of the Robert Pastor Library and E Learning Center to be Nigeria's premier e-library, delivering and storing knowledge with digital technologies rather than paper books and journals.
- A new Administration Building with 100% solar energy
- Two Nature Trails

- Research into sustainable agriculture, water distribution on campus, medical waste disposal practices, Nature trail Woody plant diversity and composition including the local cultivation and processing of biofuels using Jatropha and other oil-bearing crops
- Recycling and management of the campus waste

1. Implementing and managing donor funds from ExxonMobil, UNHCR and Swiss Development Corporation for environmental protection based projects which is pivotal to grants and projects currently ongoing in the University.

More initiative can be found in our Sustainability Reports under the AUN's website http://www.americanuniversitynigeria.org/about/dev/sustainability/themes

Integration: AUN's approach to sustainability is much more than a series of piecemeal improvements; rather, sustainability is advanced through a systematic program of planning and action such as outlined in the 2012 inaugural edition of the University's Sustainability Management System (SMS). AUN's SMS institutionalizes the University's commitment to sustainable development by establishing a framework that extends into all aspects of the University's scholarship, operations, and management, and that carries forward in time from one administration to the next.

The objectives of this SMS program plan are as follows:

- To set forth for review, comment, and consensus a framework and process that will ensure the integration of sustainability into University planning and decision making
- To communicate Management's commitment to sustainability as an overarching value and element of continuous improvement
- To explain to all participating parties how the sustainability management system is organized and implemented in university planning and management
- To create an instrument that generates information for AUN to report to its stakeholders relative to the goals the University has set for itself and its progress toward achieving those goals.
- To provide a framework for internal and external reviewers to evaluate the University's adherence to its own system and progress toward its self-imposed sustainability objectives.

Student Opportunities: The Office of Sustainability is the primary agent to engage students in environmental opportunities both on and off campus. The Office works closely with STARS, Student Teams Advocating Regional Sustainability. The STARS Environmental Club undertakes campus projects such as installing a wetlands treatment bed and vegetated bioswales to abate pollution, plant environmentally desirable plants around campus, develop nature trails, and pick up litter. The Club's parties and parades to promote energy and water conservation and raise community awareness of environmental issues are always fun and popular.

Environment-minded students also serve the community through AUN's Community Development (CDV) courses and through important research such as how to make biofuels, recycling plastic into potholes, and improving the efficiency of dining and waste operations.

AUN's objective is for every student to get direct experience helping the environment, to better serve the interests of this generation…and many to come.

Undergraduate course (General Education) that teaches Sustainability: Students are introduced to current environmental problems worldwide with a strong focus on Nigeria's environmental problems as well as offering solutions (NES 101 - Introduction to Environmental Sustainability). The course is both theoretical and practical. The course acts as a bridge between the academy and the Office of Sustainability.

Appendix E

LEARNING MANAGEMENT SYSTEMS: THE CANVAS EXPERIENCE

Canvas LMS (http://canvas.aun.edu.ng) is one of the best e-Learning platforms. Canva provides some exceptional Web 2.0 elements. This platform is capable of conveying information instinctively. Instructors and students can navigate through the site with ease. The site is well designed, and this gives it an edge in the Moodle VS Canvas debate.

Canvas makes it possible for students to integrate their course accounts with various social media networks such as Facebook and Twitter. Instructors can easily create assignments from various locations on the site. The platform analyzes the information automatically and delegates it to the appropriate course calendar and grade category.

Students can monitor their performance in the various assignments and classes they enroll for. They can also engage in discussions with other users. It comes with a grade book that students can use to check their individual assignment grades and overall performance. The platform also allows students to check how an improvement in a certain course can affect their overall grade.
It is easy to connect an account on the platform to various email addresses, social media profiles, and phone numbers. This makes it possible to access your account from different sites
User profiles are highly customizable: one may add bio, photo, create e-Portfolio, adjust email notifications, manage personal file storage, etc.

SAS UNDERGRADUATE CATALOG REVIEW COMMITTEE

The following were members of the 2018 Undergraduate Catalog Review Committee.

- Dr. Malachy Okeke
  Chair: SAS Catalog Review Committee
  Assistant Professor of Natural and Environmental Sciences

- Ms. Emilienne Idorenyin Akpan,
  Instructor of Modern Languages/Director of the Writing Center
  Committee Secretary/Member

- Dr. Adewale James
  Associate Professor Mathematics: Member

- Dr. Bolade Oladotun
  Assistant Professor of Chemistry: Member