



SCHOOL OF EDUCATION

The School provides the Students with programs that range that emphasize professional practice and leadership. The programs are interdisciplinary and include unique opportunities for global learning and research. It will provide applied learning, internship, and other fieldwork experiences. It is worthy to note that the field of Education is constantly evolving. To be a current Teacher one must be equipped to navigate the developments rapidly and successfully.

The School will adequately impact Students with the learning skills that will be needed to individualize instructions, incorporate technology into lesson plans, address accredited standards before graduation. The range of programs at the Associate degree level runs from early childhood education, to education administration, to teacher education and primary education. The goal here is to produce successful Students through a series of program assessments. This process is expected to ensure that our Students are gaining the skills and expertise needed to be an accomplished and effective teacher. There will be opportunity for student's balance school with life by taking one program at a time online.

DEPARTMENT OF TEACHER EDUCATION

Teacher Education, AAT Secondary Education –Major

The following curriculum is designed to prepare students for academic transfer to a university baccalaureate/Degree program where they may complete requirements for a teaching degree with an emphasis in secondary education. This curriculum satisfies all of the requirements for the Associate of Arts in Teaching degree. However, additional course work may be accepted by the transfer university. Consult faculty advisor for more information.

1 st Semester (Freshman)		
Course Code	Course Title	Credit Unit/ Hours
CIS 103	Computer Information Systems I	3
PSY 101	Introduction to Psychology	3
ENG 101	English Composition I	3
HIS 101 or	History of Nigeria – from the Earliest Times to 1800	3
HIS 102	History of Nigeria from 1800 to the present	3
MAT 114 -	College Algebra	3
	Total Semester Credit Units	15

2nd Semester (Freshman)		
Course Code	Course Title	Credit Unit/ Hours
ENG 102	English Composition II	3
BIO 113 or	Essentials in Biology	3
NUT 101	Elements of Nutrition	3
HIS 102	History of Nigeria from 1800 to the present	3
SPC 121	Business and Professional Communication	3
EDU 202	Teaching Profession Field Experience	3
	Total Semester Credit Units	18

3 rd Semester (Sophomore)		
Course Code	Course Title	Credit Unit/ Hours
EDU 101	Introduction to the Teaching Profession	3
ENS 101	Introduction to Environmental Science	3
ENG 241	Forms of Literature: Literature and Film	3
COM 111	Fundamentals of Public Speaking	3
EDU 260	Educational Psychology	3
	Total Semester Credit Units	15

4 th Semester (Sophomore)		
Course Code	Course Title	Credit Unit/ Hours
EDU 201	Introduction to Special Populations	3
ENG 101	Sophomore English Literature	3
ART 101	Art Appreciation	3
EDU 265	Educational Applications of Technology and Media	3
	Total Semester Credit Units	12

CIS 103 - Computer Information Systems I

3 Credits

This course introduces computer terminology and concepts, Web browser, word processing, spreadsheet, database, presentation graphics and presentations software. Emphasis is placed on hands-on practice to produce interesting and useful projects, and computer skills will be reinforced through the use of tutorials and cases. Lab Fee.

PSY 101 Introduction to Psychology

3 Credits

An introduction into the empirical study of human behavior and mental processes. Topics to be treated include biological bases of behavior, sensation and perception, states of consciousness, learning, memory, motivation and emotion, language, lifespan development, intelligence, stress and health, social behavior, personality, and abnormal behavior and treatment; applications of psychology in a culturally diverse world.

ENG 101 - English Composition I **3Credits**

A study of style, syntax, and basic organizational patterns. Topics include various rhetorical patterns, audience, purpose, diverse perspectives, writing, revising, and editing. Research paper required.

ENG 102 - English Composition II **3 Credits**

A composition course in argumentative writing, including invention, organization, style, and revision. Critical reading and thinking will be addressed through students' writing. Research skills and documentation will be introduced.

Pre-requisites: Successful completion of ENG 101 with a grade of C or better.

MAT 114 - College Algebra: **3 Credits**

Calculus I. Course provides an in-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices.

Pre-requisite: Two units of high school algebra and TSI-compliant in Mathematics

ENS 101 - Introduction to Environmental Science: **3 Credits.**

Explores the inter-relationships between humans and the Earth's ecosystems. Fundamentals of ecology, water resources, populations, energy, climate, and nutrient cycling will be covered, as well as the impact of human use and management of the earth's land, water, and air resources. For students needing a lab, ENVS 102 serves as the accompanying laboratory.

ENS 102 - Introduction to Environmental Science Laboratory: **1 Credit.**

Provides students with hands-on laboratory experiences, field trips, and special assignments to demonstrate the principles, processes, techniques, and technologies of the study of natural environmental systems and solutions to environmental challenges. Students are required to attend a maximum of five off-campus or field activities during the scheduled laboratory period.

Pre-requisite: Successful completion of ENV 101 with a grade of "C" or better.

SPC 121 - Business and Professional Communication: **3 Credits**

This course includes the basic principles of speech applied to communications in business and professional settings. The course emphasizes practice in the construction and delivery of various types of speaking situations and the application of interpersonal skills that occur in a business, organizational, or professional setting.

BIO 113 - Essentials in Biology: **3 Credits**

Essentials in Biology. One-semester biology for non-majors; overview of essential biological concepts and their application to real world and contemporary issues; topics include evolution, biodiversity, cellular, molecular and forensic biology, genetics and heredity to scientific literacy, human impact on the environment, genetically modified organisms and emerging diseases, genetics, evolution, and ecology.

NUT 101- Elements of Nutrition: **3 Credits**
A biochemical and physiological approach to the study of nutrition which includes ingestion, digestion, absorption, metabolic pathways, nutrient data bases of foods, and the factors influencing the selection of foods and the good nutritional status.

ART 101 - Art Appreciation: **3 Credits**
A general introduction to the visual arts designed to create an appreciation of the vocabulary, media, techniques, and purposes of the creative process. Students will critically interpret and evaluate works of art within formal, cultural, and historical contexts.

COM 111 Fundamentals of Public Speaking **3 Credits**
This course will introduce students to the theoretical frameworks and practical application of public speaking by integrating conceptual themes of rhetoric, stylistic organization, delivery, evaluative assessment, and argumentation.

DRM 110 - Theater Appreciation: **3 Credits**
A survey of theater including its history, dramatic works, stage techniques, production procedures, and relation to other art forms. Participation in productions may be required.

BIO 113 - Essentials in Biology: **3 Credits**
Essentials in Biology. One-semester biology for non-majors; overview of essential biological concepts and their application to real world and contemporary issues; topics include evolution, biodiversity, cellular, molecular and forensic biology, genetics and heredity to scientific literacy, human impact on the environment, genetically modified organisms and emerging diseases, genetics, evolution, and ecology

EDU 101 - Introduction to the Teaching Profession: **3 Credits**
This is an enriched integrated pre-service course and content experience that: a) Provides active recruitment and instructional support of students interested in a teaching career, especially in high need fields; b.) Provides students with opportunities to participate in early field observations at all levels P-12 schools with varied and diverse student populations; c.) Provides students with support from colleges and school faculty in small cohort groups for the purpose of introduction to and analysis of the culture of schools and classrooms,

HIS 101 – History of Nigeria – from the Earliest Times to 1800 **3 Credits**
This course is a survey of the origins, migrations and settlements of various Nigerian peoples in their Kingdoms and States. The course also highlights historical developments in the Nigerian regions during this period including state formation and inter-group relations in the areas of political, religious, economic and sociocultural activities.

HIS 102– History of Nigeria from 1800 to the present**3 Credits**

The course examines some major developments including internal and external factors which brought the Nigerian communities into a state. The course also discusses the Sokoto Jihad; the fall of Oyo Empire and the Yoruba Civil Wars; the Slave Trade, the Abolition of the Slave Trade and European penetration of the hinterland; the establishment of Colonial rule/Amalgamation; and the Effects of World War I; the political and economic structure of colonial rule in the inter-war years; the World War II and its aftermaths; Nationalism and Independence; The First Republic and its collapse; the Military Regimes; the Second Republic; the Buhari/Idiagbon years; the Babangida years and the Aborted Third Republic; the Interim National Government; the Abacha and Abubakar regimes; and the Emergence of the Fourth Republic.

HIS 201 History of Lagos up to the 20th Century**3 Credits**

The course examines the various traditions of origin of Lagos; traditional political institutions in Lagos; civil wars; the relationships between Lagos and its neighbors; Lagos' participation in slavery, slave trade, and "legitimate trade"; the British Consulate; the influx and the spatial distribution of immigrants; introduction of Islam and Christianity; Colonialism and social transformation and problems including crime; Students are expected to visit historical sites such as palaces, the point of no return in Badagry, museum etc.

ENG 241 - Forms of Literature: Literature and Film:**3 Credits**

This course covers the study of one or more literary genres including, but not limited to, fiction, drama and film are included in this course. The course offers an analytical approach to both literature and film. Through various methods, students will learn conceptual frameworks and vocabulary for understanding and explaining how films and literature enhance our perception of society and inform our awareness and judgment.

Pre-requisite: Successful completion of ENG 130 with a grade of “C” or better.

EDU 265 - Educational Applications of Technology and Media:**3 Credits**

Principles and techniques for selection and utilization of computer and video as well as other basic forms of media and technology. The class combines research, instructional design, equipment operation and materials production in lecture and laboratory settings to prepare teachers to be reflective decision makers on proper methods of using technology in teaching.

Pre-requisite(s): Successful completion of EDU 202 and either CIS 101 with a grade of “C” or better.

EDU 202 - Teaching Profession Field Experience:**3 Credits**

This course provides students an opportunity to observe teaching and learning for thirty (30) hours or more in P-12 classrooms. Students are introduced to the requirements for teacher preparation and certification. Students will examine characteristics of effective teaching. The course is designed to assist students in determining if a career in teaching is an appropriate goal.

EDU 201 - Introduction to Special Populations:**3 Credits**

This is an enriched pre-service course and content experience that: a) provides an overview of the school and classrooms, gender, socio-economic status, ethnic and academic diversity and equality with emphasis on factors that facilitate learning; b) provides students with support to participate in early field experiences in all levels P-12 with course content aligned as applicable to SBEC Pedagogy and Professional Responsibilities Standards and Technology Applications Standards for all beginning teachers.

EDU 250 - Foundations of American Education:**3 Credits**

This course will examine historical, philosophical, political, economic, and legal foundations of American public education systems. The nature of school environments, design, organization of school curricula, characteristics of effective schools/instruction in grades K-12, educational structures, practices, and projections for the future will be studied.

EDU 260 - Educational Psychology:**3 Credits**

This course is designed as an introduction to theory and research in educational psychology. Topics include cognitive and social development, learning, memory, cognition, intelligence, motivation, measurement and individual differences.

TEACHER EDUCATION, MATH/SCIENCE CONCENTRATION, AS

This concentration is structured as preparation for those who expect to teach in the math and science areas. It is designed to address the transfer needs of students planning to attend a four-year college or university for Teacher Preparation. and who may not be eligible to complete the requirements of the A.A.T. degree. While this curriculum is designed to prepare students to pursue a bachelor's degree program at the college or university level, students are advised to check the requirements of the institution to which they intend to transfer.

1st Semester (Freshman)		
Course Code	Course Title	Credit Unit/ Hours
ENG101	English Composition 1	3
EDU 101	Introduction to Education	3
BIO 111	General Biology I	4
MAT 207	Calculus & Analytic Geometry I	3
PHY 111	General Physics I	4
	Total Semester Credit Units	17

2nd Semester (Freshman)		
Course Code	Course Title	Credit Unit/ Hours
ENG 102	English Composition II	3
ANT 202	Cultural Anthropology I	3
MAT 208	Calculus & Analytic Geometry II	3
PHY 112	General Physics II	4
EDU 103	Students With Disabilities in School	3
	Total Semester Credit Units	16

3rd Semester (Sophomore)		
Course Code	Course Title	Credit Unit/ Hours
COM 101 or	Fundamentals of Speech Communication 1	3
COM 111	Fundamentals of Public Speaking	3
HIS 101 or	History of Nigeria – from the Earliest Times to 1800	3
HIS 102	History of Nigeria from 1800 to the present	
EDU 203	Educational Psychology 2	3
MAT209	Calculus & Analytic Geometry III	3
CHM 111	General Chemistry I	3
HLT 110	Personal and Community Health	2
	Total Semester Credit Units	17

4th Semester (Sophomore)		
Course Code	Course Title	Credit Unit/ Hours
CIS 101	Computer Information Systems I	3
HUM 201	Survey of Western Culture I	3
MAT 210	Differential Equations 2	3
PHL 112	Introduction to Philosophy	3
PSY 101	Introduction to Psychology	3
CHM 112	General Chemistry II	3
HIS 201	History of Lagos up to the 20th Century	3
	Total Semester Credit Units	18

EDU 100 - Introduction to Education

3 Credits

Students in this course are introduced to the complex world of education and teaching. The profession is examined from various perspectives, with the focus on the extensive requirements for success, including knowledge, skills, hard work, commitment, and talent. Attention is given to the historical, philosophical, political, and legal foundations of education in America. Students have opportunity through direct observation and class discussions to examine characteristics of students, the complexities of the classroom life, and the school curriculum. An examination of current themes and issues enables participants to understand the importance of extending equal educational opportunity to all students. With a fuller understanding of the role of education in America, participants are guided toward selecting careers in education.

PSY 101 Introduction to Psychology 3 Credits
An introduction into the empirical study of human behavior and mental processes. Topics to be treated include biological bases of behavior, sensation and perception, states of consciousness, learning, memory, motivation and emotion, language, lifespan development, intelligence, stress and health, social behavior, personality, and abnormal behavior and treatment; applications of psychology in a culturally diverse world.

ENG 101 - English Composition I 3Credits
A study of style, syntax, and basic organizational patterns. Topics include various rhetorical patterns, audience, purpose, diverse perspectives, writing, revising, and editing. Research paper required.

ENG 102 - English Composition II 3 Credits
A composition course in argumentative writing, including invention, organization, style, and revision. Critical reading and thinking will be addressed through students' writing. Research skills and documentation will be introduced.
Pre-requisites: Successful completion of ENG 101 with a grade of C or better.

BIO 111 General Biology I 4Credits
This course introduces the principles and concepts of biology. Emphasis is placed on basic biological chemistry, cell structure and function, metabolism and energy transformation, genetics, evolution, classification, and other related topics.

EDU 103 Students With Disabilities in School 3 Credits
A survey course that presents the historical, philosophical and legal foundations of special education, as well as an overview of the characteristics of individuals with disabilities, the Individual with Disabilities Act (IDEA) and the services that are provided under this act, and the diversity of exceptional populations with implications for service delivery.
Pre-requisite Successful completion of EDU 101 or PSY 207 with a grade of C or higher

COM 101 Fundamentals of Speech Communication 2 Credits
Theory and practice of oral communication; development of poise and confidence, delivery, and speech organization; public speaking practice; small group discussion, and development of standards of criticism. Writing assignments, as appropriate to the discipline, are part of the course.

COM 111: Fundamentals of Public Speaking 3 Credits
This course will introduce students to the theoretical frameworks and practical application of public speaking by integrating conceptual themes of rhetoric, stylistic organization, delivery, evaluative assessment, and argumentation.

PHL 112 - Introduction to Philosophy**3 Credits**

Examination of critical questions of human existence such as free will versus determinism, the nature of knowledge, and the basis for moral judgment. Reading and discussion of works by classical and contemporary philosophers.

PHY 111 General Physics I**3 Credits**

This course includes a general study of kinematics, Newton's Laws of Motion, universal gravitation, work, mechanical energy, motion in a plane, momentum, hydrostatics, SHM, wave motion, sound, introductory thermodynamics, and heat transfer with applications to life sciences. **Corequisite:** PHY 111L

PHY 111L General Physics I Lab**1 Credit**

This required lab accompanies PHY111, which includes a general study of kinematics, Newton's Laws of Motion, universal gravitation, work, mechanical energy, motion in a plane, momentum, hydrostatics, SHM, wave motion, sound, introductory thermodynamics, and heat transfer with applications to life sciences.

Corequisite: PHY 111.

CHM 111 General Chemistry I**3 Credits**

A thorough study of the fundamentals and principles of chemistry. This course is designed for students majoring in chemistry, pre-medicine, pre-dentistry, engineering, or science. The lecture and laboratory will cover inorganic reactions, atomic structure, stoichiometry, thermochemistry, solutions, chemical bonding, and the states of matter.

Corequisite: CHM 111L.

CHM 111L General Chemistry I Lab**1 Credit**

This is the required lab to accompany CHM 111, which is a thorough study of the fundamentals and principles of chemistry. This course is designed for students majoring in chemistry, pre-medicine, pre-dentistry, engineering, or science. The lecture and laboratory will cover inorganic reactions, atomic structure, stoichiometry, thermochemistry, solutions, chemical bonding, and the states of matter. **Corequisite:** CHM 111

CIS 103 - Computer Information Systems I**3 Credits**

This course introduces computer terminology and concepts, Web browser, word processing, spreadsheet, database, and presentations software. Emphasis is placed on hands-on practice to produce interesting and useful projects, and computer skills will be reinforced through the use of tutorials and cases. Lab Fee.

HIS 101 – History of Nigeria – from the Earliest Times to 1800**3 Credits**

This course is a survey of the origins, migrations and settlements of various Nigerian peoples in their Kingdoms and States. The course also highlights historical developments in the Nigerian regions during this period including state formation and inter-group relations in the areas of political, religious, economic and sociocultural activities.

HIS 102– History of Nigeria from 1800 to the present**3 Credits**

The course examines some major developments including internal and external factors which brought the Nigerian communities into a state. The course also discusses the Sokoto Jihad; the fall of Oyo Empire and the Yoruba Civil Wars; the Slave Trade, the Abolition of the Slave Trade and European penetration of the hinterland; the establishment of Colonial rule/Amalgamation; and the Effects of World War I; the political and economic structure of colonial rule in the inter-war years; the World War II and its aftermaths; Nationalism and Independence; The First Republic and its collapse; the Military Regimes; the Second Republic; the Buhari/Idiagbon years; the Babangida years and the Aborted Third Republic; the Interim National Government; the Abacha and Abubakar regimes; and the Emergence of the Fourth Republic.

HIS 201 History of Lagos up to the 20th Century**3 Credits**

The course examines the various traditions of origin of Lagos; traditional political institutions in Lagos; civil wars; the relationships between Lagos and its neighbors; Lagos' participation in slavery, slave trade, and "legitimate trade"; the British Consulate; the influx and the spatial distribution of immigrants; introduction of Islam and Christianity; Colonialism and social transformation and problems including crime; Students are expected to visit historical sites such as palaces, the point of no return in Badagry, museum etc.

MAT 207 Calculus & Analytic Geometry I**3 Credits**

Topics include (but are not limited to) the following: limits and continuity of functions; definition of derivative, rate of change, slope; derivatives of polynomial, rational, trigonometric functions, inverse trigonometric functions, exponential, and logarithmic functions; the chain rule; implicit differentiation; applications of the derivative; indeterminate forms and L'Hôpital's rules; approximation by differentials; higher-order derivatives; Rolle's Theorem and mean value theorem; ant derivatives and the definite integral including the substitution method; the fundamental theorem of calculus.

MAT 208 Calculus & Analytic Geometry II**3 Credits**

Topics include (but are not limited to) the following: applications of the integral; area, physics applications, a rigorous analytic approach to the definitions and properties of logarithmic, exponential functions, and introduction of hyperbolic functions; techniques of integration, including numerical methods, integration by parts, trigonometric substitution, and partial fractions; improper integrals; sequences and series, convergence tests, Taylor and Maclaurin series; parametric equations; polar coordinates and equations of curves, Cartesian, and polar equations of conic sections.

Pre-requisite Successful completion of MAT201 with a grade of C or higher.

MAT 209 Calculus& Analytic Geometry III**3 Credits**

Topics include (but are not limited to) the following: geometry of the three-dimensional space; equations and graphs of quadratic surfaces; vectors in 2 and 3 dimensions, vector operations; lines and planes in space; calculus of vector valued functions, curvature of curves, Frenet frame vectors, planes, and lines; functions of more than one variable, partial derivatives; the differential, directional derivatives, gradients; extreme values and saddle points of functions of two variables; double and triple integrals, evaluation and applications; using substitution methods that include cylindrical, spherical coordinates, as well as more general transformations. Evaluation of double, and triple integration; line integrals, and their applications; fundamental theorem of line integrals; Green's theorem; surface integrals, and their applications; Stokes' theorem; divergence theorem.

Pre-requisite Successful completion of MAT 208 with a grade of C or higher.

MAT 210 Differential Equations**3 Credits**

A first course in ordinary differential equations: solutions of first order and first degree differential equations, linear differential equations with constant co-efficients. Linear differential equations of higher order, special differential equations of second order and differential equations of first order but not of first degree. Numerical methods, series solutions and applications included.

Pre-requisite: Successful completion of MAT 208 with a grade of C or higher

HUM 201 - Survey of Western Culture I**3 Credits**

Studies thought, values, and arts of Western culture, integrating major developments in art, architecture, literature, music, and philosophy

EDU 203 Educational Psychology**3 Credits**

Assessment of aptitudes, capacities, interests, and achievements; and the educational implications of physical, emotional and social development. Hours of observing in an educational setting are required for this course to ensure various aspects of teaching strategies in a classroom can be observed by the students.

Pre-requisite Successful completion of PSY 201 with a grade of C or higher

ANT 202 Cultural Anthropology**3 Credits**

Comparative study of human societies and cultures of the world; cross-cultural investigation of social organization and political, economic, religious, and family systems.

HLT 110 - Personal and Community Health**2 Credits**

Contemporary concerns in health science, including mental health, sexuality and reproduction, drugs and alcohol, physical fitness, nutrition, human development, and healthcare delivery systems are examined. Decision-making is emphasized.

ENGLISH EDUCATION, AAT

The English Teacher Education pathway is meant to help students' preparation to teach English to high school students. English teachers are also required to earn a bachelor's degree from a four year Institution and obtain a Professional Educators License with a English endorsement

1st Semester (Freshman)		
Course Code	Course Title	Credit Unit/ Hours
ENG 101	English Composition 1	3
MAT 125	Introductory Statistics	4
LIT 130	Children's Literature	3
EDU 101	Introduction to Education	3
ART 111	Art Appreciation	3
	Total Semester Credit Hours	16

2 ND Semester (Freshman)		
Course Code	Course Title	Credit Unit/ Hours
ENG 102	English Composition II	3
LIT 220	World Literature	3
HIS 101 or	History of Nigeria – from the Earliest Times to 1800	3
HIS 102	History of Nigeria from 1800 to the present	3
EDU 102	Using Technology in The Class	3
ENG 241	Creative Writing	3
	Total Semester Credit Hours	15

3 rd Semester (Sophomore)		
Course Code	Course Title	Credit Unit/ Hours
COM 101or	Fundamentals of Speech Communication 1	3
COM 111:	Fundamentals of Public Speaking	3
BIO 109	- Fundamentals of Biology	3
HIS 201	History of Lagos up to the 20th Century	3
ENG 243	Creative Writing--Fiction	3
EDU 203	Educational Psychology	3
	Total Semester Credit Hours	15

4 TH Semester (Sophomore)		
Course Code	Course Title	Credit Unit/ Hours
PSY101	General Psychology 1	3
EVS 104	Energy Systems Fundamentals	3
EDU 103	Students with Disabilities in School	3
ENG 245	Creative Writing, Poetry	3
ANT202	Cultural Anthropology 1	3
	Total Semester Credit Hours	15

Total Hours 61-63

ENG 101 - English Composition I

3 Credits

A study of style, syntax, and basic organizational patterns. Topics include various rhetorical patterns, audience, purpose, diverse perspectives, writing, revising, and editing. Research paper required.

ENG 102 - English Composition II

3 Credits

A composition course in argumentative writing, including invention, organization, style, and revision. Critical reading and thinking will be addressed through students' writing. Research skills and documentation will be introduced.

Pre-requisites: Successful completion of ENG 101 with a grade of C or better

ART 111 Art Appreciation

3 Credits

This course introduces the origins and historical development of art. Emphasis is placed on the relationship of design principles to various art forms including but not limited to sculpture, painting, and architecture. Upon completion, students should be able to identify and analyze a variety of artistic styles, periods, and media.

PSY 101 Introduction to Psychology

3 Credits

An introduction into the empirical study of human behavior and mental processes. Topics to be treated include biological bases of behavior, sensation and perception, states of consciousness, learning, memory, motivation and emotion, language, lifespan development, intelligence, stress and health, social behavior, personality, and abnormal behavior and treatment; applications of psychology in a culturally diverse world.

COM 101 Fundamentals of Speech Communication

3 Credits

Theory and practice of oral communication; development of poise and confidence, delivery, and speech organization; public speaking practice; small group discussion, and development of standards of criticism. Writing assignments, as appropriate to the discipline, are part of the course.

EDU 101 Introduction to Education**3 Credits**

This course is a survey of the role of education in America. Consideration is given to basic philosophies underlying the requirements of effective learning -- teaching situations, developmental aspects of school age children, current trends in education, and the selection of education as a profession. Participants should anticipate spending the equivalent of four days in field placement with a minimum of 30 hours in a public school classroom

EDU 103 Students With Disabilities in School**3 Credits**

A survey course that presents the historical, philosophical and legal foundations of special education, as well as an overview of the characteristics of individuals with disabilities, the Individual with Disabilities Act (IDEA) and the services that are provided under this act, and the diversity of exceptional populations with implications for service delivery.

Pre-requisites: Successful completion of EDU101, or PSY207 with a grade of C or higher.

COM 111: Fundamentals of Public Speaking**3 Credits**

This course will introduce students to the theoretical frameworks and practical application of public speaking by integrating conceptual themes of rhetoric, stylistic organization, delivery, evaluative assessment, and argumentation.

LIT130 Children's Literature**3 Credits**

Survey of children's books, stories, magazines and related audio-visual material; criteria evaluated for building literature program within the classroom. Writing assignments, as appropriate to the discipline, are part of the course.

HIS 101 – History of Nigeria – from the Earliest Times to 1800**3 Credits**

This course is a survey of the origins, migrations and settlements of various Nigerian peoples in their Kingdoms and States. The course also highlights historical developments in the Nigerian regions during this period including state formation and inter-group relations in the areas of political, religious, economic and sociocultural activities.

HIS 102– History of Nigeria from 1800 to the present**3 Credits**

The course examines some major developments including internal and external factors which brought the Nigerian communities into a state. The course also discusses the Sokoto Jihad; the fall of Oyo Empire and the Yoruba Civil Wars; the Slave Trade, the Abolition of the Slave Trade and European penetration of the hinterland; the establishment of Colonial rule/Amalgamation; and the Effects of World War I; the political and economic structure of colonial rule in the inter-war years; the World War II and its aftermaths; Nationalism and Independence; The First Republic and its collapse; the Military Regimes; the Second Republic; the Buhari/Idiagbon years; the Babangida years and the Aborted Third Republic; the Interim National Government; the Abacha and Abubakar regimes; and the Emergence of the Fourth Republic.

HIS 201 History of Lagos up to the 20th Century**3 Credits**

The course examines the various traditions of origin of Lagos; traditional political institutions in Lagos; civil wars; the relationships between Lagos and its neighbors; Lagos' participation in slavery, slave trade, and "legitimate trade"; the British Consulate; the influx and the spatial distribution of immigrants; introduction of Islam and Christianity; Colonialism and social transformation and problems including crime; Students are expected to visit historical sites such as palaces, the point of no return in Badagry, museum etc.

EDU 203 Educational Psychology**3 Credits**

Assessment of aptitudes, capacities, interests, and achievements; and the educational implications of physical, emotional and social development. Hours of observing in an educational setting are required for this course to ensure various aspects of teaching strategies in a classroom can be observed by the students.

LIT 220 World Literature**3 Credits**

Survey of masterpieces in world literature: principal works and writers, literary periods, and traditions with selections from ancient times through present day. Writing assignments, as appropriate to the discipline, are part of the course.

ENG 241 Creative Writing**3 Credits**

Descriptive and narrative writing, concentrating on the writing of poetry, drama, and fiction. Writing assignments, as appropriate to the discipline, are part of the course.

Pre-requisites: Successful completion of ENG-101 with a grade of C or higher.

ENG 243 Creative Writing--Fiction**3 Credits**

Students will understand the structure and elements of fiction and the writing process, produce fully-developed works of fiction, and demonstrate an understanding of the critical terminology of the creative writer. Student will experiment with different approaches to plot, point-of-view, dialogue, voice, sequence and structure. A minimum of 25-30 finished pages of original work is recommended. Journals, a midterm, and a final exam may also be required. Writing assignments, as appropriate to the discipline, are part of the course.

Pre-requisites: Successful completion of ENG-101 with a grade of C or higher.

ENG245 Creative Writing, Poetry**3 Credits**

Students will understand the structure and elements of poetry and the writing processes, produce fully-developed works of poetry, and demonstrate an understanding of the critical terminology of the creative writer. Students will experiment with different approaches to form, voice, narration, imagery, translation, creative response, and revision. A minimum of 200-250 finished lines of original work is recommended. Journals and exams may also be required. Writing assignments, as appropriate to the discipline, are part of the course.

ANT 202 Cultural Anthropology**3 Credits**

Comparative study of human societies and cultures of the world; cross-cultural investigation of social organization and political, economic, religious, and family systems. Writing assignments, as appropriate to the discipline, are part of the course.

MAT 125 Introductory Statistics**3 Credits**

This course focuses on mathematical reasoning and the solving of real-life problems. Topics addressed include: descriptive statistics (measures of center, variation, and position, and frequency distributions); basic probability theory (counting techniques, sample spaces, probability laws); probability distributions (normal and binomial); statistical inference, which includes estimation, hypothesis testing (z-test, t-test, and chi-square test), errors, and correlation/regression. Tools such as graphing calculators or computers are an integral part of this course. Writing assignments, as appropriate to the discipline, are part of the course.

EDU 102 Using Technology in The Class**3 Credits**

Prepare pre-service and in-service teachers to integrate technology, including computer and multimedia software, into pre-K through 12th grade classes. Surveys concepts of technology use, provides hands-on experience with hardware and software, and addresses human, social, and ethical issues related to the use of technology in education. Meets national and state technology standards. Writing assignments as appropriate to the discipline are part of the course.

BIO 109 - Fundamentals of Biology**3 Credits**

An introduction to the fundamentals of biology including concepts of cellular and molecular biology, genetics, reproduction, evolution, plant & animal biodiversity, morphological & physiological adaptation, ecology, ecosystems, and environmental sustainability. This course is intended for non-majors.

EVS 104 Energy Systems Fundamentals**3 Credits**

Course covers the basics of building envelopes, HVAC, lighting, insulation, glazing, plumbing and electrical systems, construction materials, and the surrounding environment. Incorporates blueprint/design fundamentals. Focus on construction engineering concepts. Introduces LEED and Energy Star programs, relevant environmental, health and safety principles, impacts, and regulatory implications. Provides a broad overview of energy use and efficiency in structures and why it matters. Writing assignments, as appropriate to the discipline, are part of the course.

FRENCH EDUCATION, AAT

The French Teacher Education pathway is meant to help students' preparation to teach French to high school students. French teachers are also required to earn a bachelor's degree from a four-year Institution and obtain a Professional Educators License with a French endorsement

1st Semester (Freshman)		
Course Code	Course Title	Credit Unit/ Hours
ENG 101	English Composition 1	3
MAT 125	Introductory Statistics	4
ART 111	Art Appreciation	3
EDU 101	Introduction To Education	3
FRE 111	French Language I	3
	Total Semester Credit Hours	16

2nd Semester (Freshman)		
Course Code	Course Title	Credit Unit/ Hours
ENG 102	English Composition II	3
EDU 203	Educational Psychology	3
FRE 112	French Language II	3
HIS 101or	History of Nigeria – from the Earliest Times to 1800	3
HIS 102	History of Nigeria from 1800 to the present	3
PHL 112	Introduction to Philosophy	3
	Total Semester Credit Hours	15

3rd Semester (Sophomore)		
Course Code	Course Title	Credit Unit/ Hours
COM 101or	Fundamentals of Speech Communication 1	3
COM 111:	Fundamentals of Public Speaking	3
FRE 211	French Language III	3
BIO115	Human Biology	4
	Total Semester Credit Hours	13

4th Semester (Sophomore)		
Course Code	Course Title	Credit Unit/ Hours
FRE 213	Intro To Modern Literature French	3
EVS 104	Energy Systems Fundamentals	3
HIS 201	History of Lagos up to the 20th Century	3
FRE 212	French Language IV:	4
	Total Semester Credit Hours	13

Total Hours 66

ENG 101 - English Composition I**3 Credits**

A study of style, syntax, and basic organizational patterns. Topics include various rhetorical patterns, audience, purpose, diverse perspectives, writing, revising, and editing. Research paper required.

ENG 102 - English Composition II**3 Credits**

A composition course in argumentative writing, including invention, organization, style, and revision. Critical reading and thinking will be addressed through students' writing. Research skills and documentation will be introduced.

Pre-requisites: Successful completion of ENG 101 with a grade of C or better.

EDU 101 Introduction to Education**3 Credits**

This course is a survey of the role of education in America. Consideration is given to basic philosophies underlying the requirements of effective learning -- teaching situations, developmental aspects of school age children, current trends in education, and the selection of education as a profession. Participants should anticipate spending the equivalent of four days in field placement with a minimum of 30 hours in a public-school classroom.

MAT 125 Introductory Statistics**3 Credits**

This course focuses on mathematical reasoning and the solving of real-life problems. Topics addressed include descriptive statistics (measures of center, variation, and position, and frequency distributions); basic probability theory (counting techniques, sample spaces, probability laws); probability distributions (normal and binomial); statistical inference, which includes estimation, hypothesis testing (z-test, t-test, and chi-square test), errors, and correlation/regression. Tools such as graphing calculators or computers are an integral part of this course. Writing assignments, as appropriate to the discipline, are part of the course.

BIO 115 Human Biology**3 Credits**

Examines practical aspects of selected concepts in biology and their application to technology. Concepts may include heredity, growth, development, health, and ecology. Human systems may be studied as they relate to the major topics. Emphasis will be placed on the relationship of the issues to the individual and society.

FRE 212 French Language IV:**3 Credits**

Continues the development of increased functional proficiency at intermediate mid level in speaking, aural comprehension, reading, writing, and cultural competency in the French language. This course is conducted predominantly in French.

FRE 211 French Language III:**3 Credits**

Continues the development of increased functional proficiency at the intermediate level in speaking, aural comprehension, reading, writing, and cultural competency in the French language. This course is conducted predominantly in French.

Pre-requisites: Successful completion of FRE 112 with a grade of C or higher or higher.

FRE 112 French Language II**3 Credits**

Expands students' interpretive, interpersonal, and presentational communicative abilities in the language across the disciplines. Integrates these skills with the study of the cultures in which the language is used. Offers a foundation in the analysis of culture and develops intercultural communicative strategies.

FRE 111 French Language I**3 Credits**

Develops students' interpretive, interpersonal, and presentational communicative abilities in the language. Integrates these skills in the cultural contexts in which the language is used. Offers a foundation in the analysis of culture.

FRE 213 Intro To Modern Literature French**3 Credits**

Selections from contemporary writings, conducted in French. Writing assignments, as appropriate to the discipline, are part of the course.

ART 111 Art Appreciation**3 Credits**

This course introduces the origins and historical development of art. Emphasis is placed on the relationship of design principles to various art forms including but not limited to sculpture, painting, and architecture. Upon completion, students should be able to identify and analyze a variety of artistic styles, periods, and media.

COM 101 Fundamentals of Speech Communication**3 Credits**

Theory and practice of oral communication; development of poise and confidence, delivery, and speech organization; public speaking practice; small group discussion, and development of standards of criticism. Writing assignments, as appropriate to the discipline, are part of the course

COM 111: Fundamentals of Public Speaking**3 Credits**

This course will introduce students to the theoretical frameworks and practical application of public speaking by integrating conceptual themes of rhetoric, stylistic organization, delivery, evaluative assessment, and argumentation.

EVS 104 Energy Systems Fundamentals**3 Credits.**

Course covers the basics of building envelopes, HVAC, lighting, insulation, glazing, plumbing and electrical systems, construction materials, and the surrounding environment. Incorporates blueprint/design fundamentals. Focus on construction engineering concepts. Introduces LEED and Energy Star programs, relevant environmental, health and safety principles, impacts, and regulatory implications. Provides a broad overview of energy use and efficiency in structures and why it matters. Writing assignments, as appropriate to the discipline, are part of the course.

HIS 101 – History of Nigeria – from the Earliest Times to 1800 **3 Credits**

This course is a survey of the origins, migrations and settlements of various Nigerian peoples in their Kingdoms and States. The course also highlights historical developments in the Nigerian regions during this period including state formation and inter-group relations in the areas of political, religious, economic and sociocultural activities.

HIS 102– History of Nigeria from 1800 to the present **3 Credits**

The course examines some major developments including internal and external factors which brought the Nigerian communities into a state. The course also discusses the Sokoto Jihad; the fall of Oyo Empire and the Yoruba Civil Wars; the Slave Trade, the Abolition of the Slave Trade and European penetration of the hinterland; the establishment of Colonial rule/Amalgamation; and the Effects of World War I; the political and economic structure of colonial rule in the inter-war years; the World War II and its aftermaths; Nationalism and Independence; The First Republic and its collapse; the Military Regimes; the Second Republic; the Buhari/Idiagbon years; the Babangida years and the Aborted Third Republic; the Interim National Government; the Abacha and Abubakar regimes; and the Emergence of the Fourth Republic.

HIS 201 History of Lagos up to the 20th Century **3 Credits**

The course examines the various traditions of origin of Lagos; traditional political institutions in Lagos; civil wars; the relationships between Lagos and its neighbors; Lagos' participation in slavery, slave trade, and "legitimate trade"; the British Consulate; the influx and the spatial distribution of immigrants; introduction of Islam and Christianity; Colonialism and social transformation and problems including crime; Students are expected to visit historical sites such as palaces, the point of no return in Badagry, museum etc.

EDU 203 Educational Psychology **3 Credits**

Assessment of aptitudes, capacities, interests, and achievements; and the educational implications of physical, emotional and social development. Hours of observing in an educational setting are required for this course to ensure various aspects of teaching strategies in a classroom can be observed by the students. Writing assignments as appropriate to the discipline, are part of the course.

PHL 112 - Introduction to Philosophy **3 Credits**

Examination of critical questions of human existence such as free will versus determinism, the nature of knowledge, and the basis for moral judgment. Reading and discussion of works by classical and contemporary philosophers.

PHYSICS TEACHER EDUCATION, AST

The Physics Teacher Education pathway is meant to help students' preparation to teach Physics to high school students. Physics teachers are also required to earn a bachelor's degree from a four year Institution and obtain a Professional Educators License with a Physics endorsement.

1st Semester (Freshman)		
Course Code	Course Title	Credit Unit/ Hours
ENG101	English Composition 1	3
EDU 101	Introduction to Education	3
BIO 111	General Biology I	4
MAT 207	Calculus & Analytic Geometry I	3
COM 101 or	Fundamentals of Speech Communication 1	3
COM 111	Fundamentals of Public Speaking	3
	Total Semester Credit Units	17

2 nd Semester (Freshman)		
Course Code	Course Title	Credit Unit/ Hours
ENG 102	English Composition II	3
ANT 202	Cultural Anthropology 1	3
MAT 208	Calculus & Analytic Geometry II	3
PHY 235	Engineering Physics I: Mechanics & Wave Motion	4
EDU 103	Students with Disabilities in School	3
	Total Semester Credit Units	16

1st Summer		
Course Code	Course Title	Credit Unit/ Hours
HIS 101 or	History of Nigeria – from the Earliest Times to 1800	3
HIS 102–	History of Nigeria from 1800 to the present	3
HIS 201	History of Lagos up to the 20th Century	3
	Total Semester Credit Units	6

3 rd Semester (Sophomore)		
Course Code	Course Title	Credit Unit/ Hours
PHY 236	Engineering Physics II: Electricity & Magnetism	4
EDU 203	Educational Psychology	3
MAT209	Calculus & Analytic Geometry III	3
CHM 111	General Chemistry I	3
HLT 110	Personal and Community Health	2
	Total Semester Credit Units	14

4 th Semester (Sophomore)		
Course No.	Course Title	Credit Hours /Unit
CIS 101	Computer Information Systems I	3
HUM 201	Survey of Western Culture I	3
PHY 237	Engineering Physics III: Heat light and Modern Physics	4
PHL 112 or	Introduction to Philosophy	3
PSY 101	Introduction to Psychology	3
CHM 112	General Chemistry II	3
	Total Semester Credit Units/Hours	16

EDU 100 - Introduction to Education

3 Credits

Students in this course are introduced to the complex world of education and teaching. The profession is examined from various perspectives, with the focus on the extensive requirements for success, including knowledge, skills, hard work, commitment, and talent. Attention is given to the historical, philosophical, political, and legal foundations of education in America. Students have opportunity through direct observation and class discussions to examine characteristics of students, the complexities of the classroom life, and the school curriculum. An examination of current themes and issues enables participants to understand the importance of extending equal educational opportunity to all students.

PSY 101 Introduction to Psychology

3 Credits

An introduction into the empirical study of human behavior and mental processes. Topics to be treated include biological bases of behavior, sensation and perception, states of consciousness, learning, memory, motivation and emotion, language, lifespan development, intelligence, stress and health, social behavior, personality, and abnormal behavior and treatment; applications of psychology in a culturally diverse world.

ENG 101 - English Composition I

3Credits

A study of style, syntax, and basic organizational patterns. Topics include various rhetorical patterns, audience, purpose, diverse perspectives, writing, revising, and editing. Research paper required.

ENG 102 - English Composition II

3 Credits

A composition course in argumentative writing, including invention, organization, style, and revision. Critical reading and thinking will be addressed though students' writing. Research skills and documentation will be introduced.

Pre-requisites: Successful completion of ENG 101 with a grade of C or better.

BIO 111 General Biology I**4Credits**

This course introduces the principles and concepts of biology. Emphasis is placed on basic biological chemistry, cell structure and function, metabolism and energy transformation, genetics, evolution, classification, and other related topics.

EDU 103 Students With Disabilities in School**3 Credits**

A survey course that presents the historical, philosophical and legal foundations of special education, as well as an overview of the characteristics of individuals with disabilities, the Individual with Disabilities Act (IDEA) and the services that are provided under this act, and the diversity of exceptional populations with implications for service delivery. Writing assignments as appropriate to the discipline are part of the course.

Pre-requisite Successful completion of EDU 101 or PSY 207 with a grade of C or higher.

COM 101 Fundamentals of Speech Communication**2 Credits**

Theory and practice of oral communication; development of poise and confidence, delivery, and speech organization; public speaking practice; small group discussion, and development of standards of criticism. Writing assignments, as appropriate to the discipline, are part of the course.

COM 111 Fundamentals of Public Speaking**3 Credits**

This course will introduce students to the theoretical frameworks and practical application of public speaking by integrating conceptual themes of rhetoric, stylistic organization, delivery, evaluative assessment, and argumentation.

HIS 112 History of American People From 1865**3 Credits**

American history from the close of the Civil War to the present; political and economic developments, and social, intellectual and cultural changes. Writing assignments, as appropriate to the discipline, are part of the course.

PHL 112 - Introduction to Philosophy**3 Credits**

Examination of critical questions of human existence such as free will versus determinism, the nature of knowledge, and the basis for moral judgment. Reading and discussion of works by classical and contemporary philosophers.

PHY 111 General Physics I**3 Credits**

This course includes a general study of kinematics, Newton's Laws of Motion, universal gravitation, work, mechanical energy, motion in a plane, momentum, hydrostatics, SHM, wave motion, sound, introductory thermodynamics, and heat transfer with applications to life sciences.

Corequisite: PHY 111L

PHY 111L General Physics I Lab**1 Credit**

This required lab accompanies PHY111, which includes a general study of kinematics, Newton's Laws of Motion, universal gravitation, work, mechanical energy, motion in a plane, momentum, hydrostatics, SHM, wave motion, sound, introductory thermodynamics, and heat transfer with applications to life sciences.

Corequisite: PHY 111.

CHM 111 General Chemistry I**3 Credits**

A thorough study of the fundamentals and principles of chemistry. This course is designed for students majoring in chemistry, pre-medicine, pre-dentistry, engineering, or science. The lecture and laboratory will cover inorganic reactions, atomic structure, stoichiometry, thermochemistry, solutions, chemical bonding, and the states of matter.

Corequisite: CHM 111L.

CHM 111L General Chemistry I Lab**1 Credit**

This is the required lab to accompany CHM 111, which is a thorough study of the fundamentals and principles of chemistry. This course is designed for students majoring in chemistry, pre-medicine, pre-dentistry, engineering, or science. The lecture and laboratory will cover inorganic reactions, atomic structure, stoichiometry, thermochemistry, solutions, chemical bonding, and the states of matter.

Corequisite: CHM 111

MAT 207 Calculus& Analytic Geometry I**3 Credits**

Topics include (but are not limited to) the following: limits and continuity of functions; definition of derivative, rate of change, slope; derivatives of polynomial, rational, trigonometric functions, inverse trigonometric functions, exponential, and logarithmic functions; the chain rule; implicit differentiation; applications of the derivative; indeterminate forms and L'Hôpital's rules; approximation by differentials; higher-order derivatives; Rolle's Theorem and mean value theorem; anti derivatives and the definite integral including the substitution method; the fundamental theorem of calculus.

MAT 208 Calculus& Analytic Geometry II**3 Credits**

Topics include (but are not limited to) the following: applications of the integral; area, physics applications, a rigorous analytic approach to the definitions and properties of logarithmic, exponential functions, and introduction of hyperbolic functions; techniques of integration, including numerical methods, integration by parts, trigonometric substitution, and partial fractions; improper integrals; sequences and series, convergence tests, Taylor and Maclaurin series; parametric equations; polar coordinates and equations of curves, Cartesian, and polar equations of conic sections.

Pre-requisite: Successful completion of MAT201 with a grade of C or higher.

MAT 209 Calculus& Analytic Geometry III**3 Credits**

Topics include (but are not limited to) the following: geometry of the three-dimensional space; equations and graphs of quadratic surfaces; vectors in 2 and 3 dimensions, vector operations; lines and planes in space; calculus of vector valued functions, curvature of curves, Frenet frame vectors, planes, and lines; functions of more than one variable, partial derivatives; the differential, directional derivatives, gradients; extreme values and saddle points of functions of two variables; double and triple integrals, evaluation and applications; using substitution methods that include cylindrical, spherical coordinates, as well as more general transformations. Evaluation of double, and triple integration; line integrals, and their applications; fundamental theorem of line integrals; Green's theorem; surface integrals, and their applications; Stokes' theorem; divergence theorem.

Pre-requisite: Successful completion of MAT 208 with a grade of C or higher

HUM 201 - Survey of Western Culture I**3 Credits**

Studies thought, values, and arts of Western culture, integrating major developments in art, architecture, literature, music, and philosophy

EDU 203 Educational Psychology**3 Credits**

Assessment of aptitudes, capacities, interests, and achievements; and the educational implications of physical, emotional and social development. Hours of observing in an educational setting are required for this course to ensure various aspects of teaching strategies in a classroom can be observed by the students.

Pre-requisite: Successful completion of PSY 201 with a grade of C or higher.

ANT 202 Cultural Anthropology**3 Credits**

Comparative study of human societies and cultures of the world; cross-cultural investigation of social organization and political, economic, religious, and family systems. Writing assignments, as appropriate to the discipline, are part of the course.

PHY235 Engineering Physics I: Mechanics & Wave Motion**3 Credits**

Exploration of the laws of mechanics and wave motion using calculus to analyze practical and theoretical problems. Writing assignments, as appropriate to the discipline, are part of the course.

Pre-requisite Successful completion of MAT 207 with a grade of C or higher.

PHY 236 Engineering Physics II: Electricity & Magnetism**3 Credits**

Exploration of electricity and magnetism as they relate to fields, forces and energy using calculus to analyze theoretical and practical problems in lecture and laboratory. Writing assignments, as appropriate to the discipline, are part of the course.

Pre-requisite Successful completion of PHY 235, and MAT 207 with a grade of C or higher.

PHY237 Engineering Physics III: Heat light and Modern Physics **3 Credits**

Exploration of the laws of heat, light, and modern physics and analysis of practical and theoretical problems through the use of calculus. Writing assignments, as appropriate to the discipline, are part of the course.

Pre-requisite Successful completion of PHY 235, and MAT 207 with a grade of C or higher.

HLT110 - Personal and Community Health **2Credits**

Contemporary concerns in health science, including mental health, sexuality and reproduction, drugs and alcohol, physical fitness, nutrition, human development, and healthcare delivery systems are examined. Decision-making is emphasized.

AGRICULTURE TEACHER EDUCATION, AST

This course of study is a transfer program for the student interested in preparing for a career as a teacher of vocational agriculture in high school. The Associate of Science degree is awarded to students fulfilling the requirements of the program.

1st Semester Freshman		
Course Code	Course Title	Credit Unit/ Hours
ENG-101	English Composition I	3
KNE-101	Fitness and Wellness	1
BIO-101	General Biology I & Lab	4
MAT-121	College Algebra	3
CIS 101	Computer Information Systems I	3
AGR-111	Intro to Ag. Education	3
	Total Semester Credit Units/Hours	17

2 ND Semester Freshman		
Course Code	Course Title	Credit Unit/ Hours
ENG-102	English Composition II	3
BIO-102	General Biology II & Lab	4
MAT122	Trigonometry	3
HIS 101 or	History of Nigeria – from the Earliest Times to 1800	3
HIS 102–	History of Nigeria from 1800 to the present	3
PHIL 101	Introduction to Philosophy: Main Problems	3
	Total Semester Credit Units/Hours	16

3rd Semester (Sophomore)		
Course Code	Course Title	Credit Unit/ Hours
ENG-201.	World Literature	3
BIO- 205	Ecology	4
CHM-101	General Chemistry I & Lab	4
AGR-206	Intro to Animal Science	3
AGB 144	Agricultural Economics I	3
	Total Semester Credit Units/Hours	17

4 th Semester (Sophomore)		
Course Code	Course Title	Credit Unit/ Hours
HIS 201	History of Lagos up to the 20th Century	3
EDU-204	Philosophical Foundations of Ed	3
COM 111	Fundamentals of Public Speaking	3
AGR-207	Intro to Animal Nutrition	3
AGR-208	Soil Science	3
PSY-101	Introduction to Psychology	3
	Total Semester Credit Units/Hours	18

ENG 101 - English Composition I

3 Credits

A study of style, syntax, and basic organizational patterns. Topics include various rhetorical patterns, audience, purpose, diverse perspectives, writing, revising, and editing. Research paper required.

ENG 102 - English Composition II

3 Credits

A composition course in argumentative writing, including invention, organization, style, and revision. Critical reading and thinking will be addressed through students' writing. Research skills and documentation will be introduced.

Pre-requisites: Successful completion of ENG 101 with a grade of C or better.

CIS 103 - Computer Information Systems I

3 Credits

This course introduces computer terminology and concepts, Web browser, word processing, spreadsheet, database, and presentations software. Emphasis is placed on hands-on practice to produce interesting and useful projects, and computer skills will be reinforced through the use of tutorials and cases. Lab Fee.

CHM-101. General Chemistry I

4 Credits

This course is the first in a two-semester sequence in a comprehensive study of the chemical and physical properties of matter including the fundamental principles of qualitative and quantitative analysis. Topics include atomic theory and bonding, periodicities, stoichiometry, thermochemistry, and states of matter. The course is designed for science and other majors which require a thorough understanding in the fundamentals of chemistry.

CHM-102. General Chemistry II **4 Credits**

This course is the second in a two-semester sequence in a comprehensive study of the chemical and physical properties of matter including the fundamental principles of qualitative and quantitative analysis. Topics include solutions, energetic, dynamics, equilibrium, electrochemistry/redox. The course is designed for science and other majors which require a thorough understanding of the current content knowledge in the fundamentals of chemistry.

Pre-requisites: Successful completion of CHM-101 with a grade of C or higher.

AGR-111 Intro to Ag. Education **3 Credits**

A basic introductory course designed to introduce beginning students to Agricultural Education. This course includes agricultural career development, leadership, communications, and personal finance.

MAT 121 – College Algebra. **3 Credits**

A course designed to expose students to polynomial functions, real and complex roots, rational equations, radical equations, absolute value equations, linear and polynomial inequalities, exponential and logarithmic functions, graphing, modeling, and applications.

MAT 122 – Trigonometry **3 Credits**

A course designed to prepare students for calculus. Topics include exponential and logarithmic functions, trigonometric functions and graphs, trigonometric identities, trigonometric equations, inverse trigonometric functions, laws of sines and cosines and applications.

PHL 101 Introduction to Philosophy: Main Problems **3 Credits**

This course is a general introduction to philosophical questions, methods, discussion, and writing. I will presume no background at all in philosophy. We will be discussing various philosophical topics in metaphysics, epistemology, ethics, philosophy of mind, and philosophy of science. There will be a heavy emphasis on learning to discuss and write about philosophical issues; hence, Recitation is a vital component of the course.

PSY 101 Introduction to Psychology **3 Credits**

An introduction into the empirical study of human behavior and mental processes. Topics to be treated include biological bases of behavior, sensation and perception, states of consciousness, learning, memory, motivation and emotion, language, lifespan development, intelligence, stress and health, social behavior, personality, and abnormal behavior and treatment; applications of psychology in a culturally diverse world.

AGB 144 Agricultural Economics I **4 Credits**

Introductory course on the basic principles of agricultural economics. Production economics, principles of supply and demand, resource economics, world food situation, marketing of agricultural products, and agricultural public policy.

COM 111 Fundamentals of Public Speaking 3 Credits

The course provides the student training in the fundamentals of diction and effective oral expression in prepared, extemporaneous, and informative speeches. Emphasis placed upon preparation and delivery. Techniques of interviewing will be explored.

Pre-requisites: Successful completion of ENG-101, ENG-102 with a grade of C or higher.

HIS 101 – History of Nigeria – from the Earliest Times to 1800 3 Credits

This course is a survey of the origins, migrations and settlements of various Nigerian peoples in their Kingdoms and States. The course also highlights historical developments in the Nigerian regions during this period including state formation and inter-group relations in the areas of political, religious, economic and sociocultural activities.

HIS 102– History of Nigeria from 1800 to the present 3 Credits

The course examines some major developments including internal and external factors which brought the Nigerian communities into a state. The course also discusses the Sokoto Jihad; the fall of Oyo Empire and the Yoruba Civil Wars; the Slave Trade, the Abolition of the Slave Trade and European penetration of the hinterland; the establishment of Colonial rule/Amalgamation; and the Effects of World War I; the political and economic structure of colonial rule in the inter-war years; the World War II and its aftermaths; Nationalism and Independence; The First Republic and its collapse; the Military Regimes; the Second Republic; the Buhari/Idiagbon years; the Babangida years and the Aborted Third Republic; the Interim National Government; the Abacha and Abubakar regimes; and the Emergence of the Fourth Republic.

HIS 201 History of Lagos up to the 20th Century 3 Credits

The course examines the various traditions of origin of Lagos; traditional political institutions in Lagos; civil wars; the relationships between Lagos and its neighbors; Lagos' participation in slavery, slave trade, and "legitimate trade"; the British Consulate; the influx and the spatial distribution of immigrants; introduction of Islam and Christianity; Colonialism and social transformation and problems including crime; Students are expected to visit historical sites such as palaces, the point of no return in Badagry, museum etc.

AGR -206. Introduction to Animal Science 3 Credits

A study of the various species of livestock and their commercial production. Breed characteristics will be studied as they relate to selection, feeding, care, disease control, and marketing for maximum economic performance. The role of animal agriculture in U.S. society today will be stressed.

Pre-requisites: Successful completion of BIO-101, BIO-102, CHM-101 with a grade of C or higher.

ENG-201. World Literature I**3 Credits**

A broad cultural background is sought through a study of the literature and a consideration of the ideas expressed by the great men of letters from ancient Greece through the Renaissance (during the first semester) and from the Renaissance to the 20th century (second semester).

Pre-requisites: Successful completion of ENG-101, ENG-102 with a grade of C or higher

BIO-205. Ecology**4 Credits**

The study of organisms in relation to their environment.

Pre-requisites: Successful completion of BIO-102 with a grade of C or higher, or consent of the Instructor.

AGR -207. Introduction to Animal Nutrition**3 Credits**

Basic nutrition and feeding practices for the various species of commercial livestock. Feeds, their sources, composition, characteristics, and feed value will be explored. Ration balancing and its practical field application will be discussed.

Pre-requisites: Successful completion of AGR-206 with a grade of C or higher, three hours.

AGR -208. Soil Science**3 Credits**

A study of soils, their physical and chemical characteristics, with special emphasis on those factors which affect plant growth. Soil formation, the use of fertilizers, and soil and water conservation are considered. Special emphasis is placed on the soils of Nigeria and their management.

Pre-requisites: Successful completion of CHM-101, BIO-102 with a grade of C or higher.

EDU-204. Philosophical Foundations of Education**3 Credits**

The philosophical foundations of society and education are explored in this course and their impact on traditional contemporary theories of education is examined. Schools as institutions, issues affecting teachers, characteristics of learners, current topics related to the teaching profession, and the role of teachers in society are discussed. Early field experience is required (10 hours).

BIOLOGY TEACHER EDUCATION, AST

The Biology Education pathway is meant to help students preparation to teach biology to high school students. Biology teachers are also required to earn a bachelor’s degree from a four year Institution and obtain a Professional Educators License with a Biology endorsement

1st Semester (Freshman)		
Course Code	Course Title	Credit Unit/ Hours
ENG 101	English Composition 1	3
MAT 171	Precalculus Algebra	3
EDU 101	Introduction to Education	3
CHM 201	General Chemistry I 1	4
BIO 111	General Biology I	4
	Total Semester Credit Units/Hours	14

2 ND Semester (Freshman)		
Course Code	Course Title	Credit Unit/ Hours
ENG 102	English Composition 1I	3
BIO 112	General Biology II	4
CHM 203	General Chemistry II 1	4
MAT 172	Precalculus Trigonometry	3
PHY 151	College Physics I	4
	Total Semester Credit Units/Hours	18

3 RD Semester (Sophomore)		
Course Code	Course Title	Credit Unit/ Hours
PHY 152	College Physics II	4
HIS 101or	History of Nigeria – from the Earliest Times to 1800	3
HIS 102	History of Nigeria from 1800 to the present	3
BIO 250	Genetics	3
BIO 265	Cell Biology	4
PSY 101	Introduction to Psychology	3
	Total Semester Credit Units/Hours	17

4 TH Semester (Sophomore)		
Course Code	Course Title	Credit Unit/ Hours
ART 114	Art History Survey I	3
EDU 203	Educational Psychology 2	3
COM 120	Introduction to Interpersonal Communication	3
COM 111or	Fundamentals of Public Speaking	3
CIS 101	Information Systems I	3
HIS 201	History of Lagos up to the 20th Century	3
	Total Semester Credit Units/Hours	15

ENG 101 - English Composition I**3 Credits**

A study of style, syntax, and basic organizational patterns. Topics include various rhetorical patterns, audience, purpose, diverse perspectives, writing, revising, and editing. Research paper required.

ENG 102 - English Composition II**3 Credits**

A composition course in argumentative writing, including invention, organization, style, and revision. Critical reading and thinking will be addressed through students' writing. Research skills and documentation will be introduced.

Pre-requisites: Successful completion of ENG 101 with a grade of C or better.

EDU 101 Introduction to Education**3 Credits**

Students in this course are introduced to the complex world of education and teaching. The profession is examined from various perspectives, with the focus on the extensive requirements for success, including knowledge, skills, hard work, commitment, and talent. Attention is given to the historical, philosophical, political, and legal foundations of education in America. Students have opportunity through direct observation and class discussions to examine characteristics of students, the complexities of the classroom life, and the school curriculum.

CIS 101 - Information Systems I**3 Credits**

This course introduces computer terminology and concepts, Web browser, word processing, spreadsheet, database, and presentations software. Emphasis is placed on hands-on practice to produce interesting and useful projects, and computer skills will be reinforced through the use of tutorials and cases. Lab Fee.

ART 114 Art History Survey I**3 Credits**

This course covers the development of art forms from ancient times to the Renaissance. Emphasis is placed on content, terminology, design, and style. Upon completion, students should be able to demonstrate an historical understanding of art as a product reflective of human social development.

MAT 171 Precalculus Algebra**4 Credits**

This course is designed to develop topics which are fundamental to the study of Calculus. Emphasis is placed on solving equations and inequalities, solving systems of equations and inequalities, and analysis of functions (absolute value, radical, polynomial, rational, exponential, and logarithmic) in multiple representations.

MAT 172 Precalculus Trigonometry**4 Credits**

This course is designed to develop an understanding of topics which are fundamental to the study of Calculus. Emphasis is placed on the analysis of trigonometric functions in multiple representations, right and oblique triangles, vectors, polar coordinates, conic sections, and parametric equations.

Pre-requisite: Successful completion of MAT 171 with a grade of C or better

PSY 101 Introduction to Psychology 3 Credits

An introduction into the empirical study of human behavior and mental processes. Topics to be treated include biological bases of behavior, sensation and perception, states of consciousness, learning, memory, motivation and emotion, language, lifespan development, intelligence, stress and health, social behavior, personality, and abnormal behavior and treatment; applications of psychology in a culturally diverse world.

PHY 151 College Physics I 4 Credits

This course uses algebra- and trigonometry-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include units and measurement, vectors, linear kinematics and dynamics, energy, power, momentum, fluid mechanics, and heat. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered.

PHY 152 College Physics II 4 Credits

This course uses algebra- and trigonometry-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include electrostatic forces, electric fields, electric potentials, direct-current circuits, magnetostatic forces, magnetic fields, electromagnetic induction, alternating-current circuits, and light.

Pre-requisite: Successful completion of PHY 151 with a grade of C or better

BIO 111 General Biology I 4 Credits

This course introduces the principles and concepts of biology. Emphasis is placed on basic biological chemistry, cell structure and function, metabolism and energy transformation, genetics, evolution, classification, and other related topics. Upon completion, students should be able to demonstrate understanding of life at the molecular and cellular levels.

BIO 112 General Biology II 4 Credits

This course is a continuation of BIO 111. Emphasis is placed on organisms, biodiversity, plant and animal systems, ecology, and other selected topics. Upon completion, students should be able to demonstrate comprehension of life at the organismal and ecological levels.

Pre-requisite: Successful completion of BIO 111 with a grade of C or better

CHM 151 General Chemistry I 4 Credits

This course covers fundamental principles and laws of chemistry. Topics include measurement, atomic and molecular structure, periodicity, chemical reactions, chemical bonding, stoichiometry, thermochemistry, gas laws, and solutions. Upon completion, students should be able to demonstrate an understanding of fundamental chemical laws and concepts as needed in CHM 152.

CHM 152 General Chemistry II**4 Credits**

This course provides a continuation of the study of the fundamental principles and laws of chemistry. Topics include kinetics, equilibrium, ionic and redox equations, acid-base theory, electrochemistry, thermodynamics, introduction to nuclear and organic chemistry, and complex ions.

Pre-requisite: Successful completion of CHM 151 with a grade of C or better.

HIS 101 – History of Nigeria – from the Earliest Times to 1800**3 Credits**

This course is a survey of the origins, migrations and settlements of various Nigerian peoples in their Kingdoms and States. The course also highlights historical developments in the Nigerian regions during this period including state formation and inter-group relations in the areas of political, religious, economic and sociocultural activities.

HIS 102– History of Nigeria from 1800 to the present**3 Credits**

The course examines some major developments including internal and external factors which brought the Nigerian communities into a state. The course also discusses the Sokoto Jihad; the fall of Oyo Empire and the Yoruba Civil Wars; the Slave Trade, the Abolition of the Slave Trade and European penetration of the hinterland; the establishment of Colonial rule/Amalgamation; and the Effects of World War I; the political and economic structure of colonial rule in the inter-war years; the World War II and its aftermaths; Nationalism and Independence; The First Republic and its collapse; the Military Regimes; the Second Republic; the Buhari/Idiagbon years; the Babangida years and the Aborted Third Republic; the Interim National Government; the Abacha and Abubakar regimes; and the Emergence of the Fourth Republic.

HIS 201 History of Lagos up to the 20th Century**3 Credits**

The course examines the various traditions of origin of Lagos; traditional political institutions in Lagos; civil wars; the relationships between Lagos and its neighbors; Lagos' participation in slavery, slave trade, and "legitimate trade"; the British Consulate; the influx and the spatial distribution of immigrants; introduction of Islam and Christianity; Colonialism and social transformation and problems including crime; Students are expected to visit historical sites such as palaces, the point of no return in Badagry, museum etc

PSY 241 Developmental Psychology**3Credits**

This course is a study of human growth and development. Emphasis is placed on major theories and perspectives as they relate to the physical, cognitive, and psychosocial aspects of development from conception to death. Upon completion, students should be able to demonstrate knowledge of development across the life span.

Pre-requisite: Successful completion of PSY 150 with a grade of C or better

COM 120 Introduction to Interpersonal Communication**3 Credits**

This course introduces the practices and principles of interpersonal communication in both dyadic and group settings. Emphasis is placed on the communication process, perception, listening, self-disclosure, speech apprehension, ethics, nonverbal communication, conflict, power, and dysfunctional communication relationships.

COM 111: Fundamentals of Public Speaking**3 Credits**

This course will introduce students to the theoretical frameworks and practical application of public speaking by integrating conceptual themes of rhetoric, stylistic organization, delivery, evaluative assessment, and argumentation.

BIO 250 Genetics**4 Credits**

This course covers principles of prokaryotic and eukaryotic cell genetics. Emphasis is placed on the molecular basis of heredity, chromosome structure, patterns of Mendelian and non-Mendelian inheritance, evolution, and biotechnological applications. Upon completion, students should be able to recognize and describe genetic phenomena and demonstrate knowledge of important genetic principles.

Pre-requisite: Successful completion of BIO 112 with a grade of C or better.

BIO 265 Cell Biology**4 Credits**

This course provides an in-depth study of cellular organization and communication, biochemical cell processes, and cellular growth, replication and death. Topics include organelle structure and function, nucleic acid and protein synthesis, gene organization and regulation, cell signaling mechanisms, bioenergetics, cell motility and apoptosis.

Pre-requisite(s): Successful completion of BIO 111, BIO 275 or BIO 280 with a grade of C or better

EDU 203 Educational Psychology**3 Credits**

Assessment of aptitudes, capacities, interests, and achievements; and the educational implications of physical, emotional and social development. Hours of observing in an educational setting are required for this course to ensure various aspects of teaching strategies in a classroom can be observed by the students. Writing assignments as appropriate to the discipline, are part of the course.

CHEMISTRY TEACHER EDUCATION, AST

The **Chemistry Education** pathway is meant to help students' preparation to teach chemistry to high school students. Chemistry teachers are also required to earn a bachelor's degree from a four year Institution and obtain a Professional Educators License with a Chemistry endorsement

1st Semester (Freshman)		
Course Code	Course Title	Credit Unit/ Hours
ENG 101	English Composition 1	3
MAT 207	Calculus & Analytic Geometry I	3
EDU 101	Introduction to Education	3
CHM 201	General Chemistry I 1	4
BIO 111	General Biology I	4
HLF 110	Personal and Community Health	2
	Total Semester Credit Units/Hours	16

2 ND Semester (Freshman)		
Course Code	Course Title	Credit Unit/ Hours
ENG 102	English Composition II	3
PHY 110	General Physics 1	4
CHM 203	General Chemistry II 1	4
MAT 208	Calculus & Analytic Geometry II	3
PSY 101	Introduction to Psychology	3
ANT 202	Cultural Anthropology	3
	Total Semester Credit Units/Hours	17

3 RD Semester (Sophomore)		
Course Code	Course Title	Credit Unit/ Hours
PHY 112	General Physics II	4
HIS 101 or	HIS 101 – History of Nigeria – from the Earliest Times to 1800	3
HIS 102	History of Nigeria from 1800 to the present	3
CHM 203	Organic Chemistry I	3
BIO 112	General Biology II	4
MAT 221	Calculus with Analytic Geometry III	4
	Total Semester Credit Units/Hours	18

4 TH Semester (Sophomore)		
Course Code	Course Title	Credit Unit/ Hours
ART 114	Art History Survey I	3
EDU 203	Educational Psychology 2	3
COM 101or	Fundamentals of Speech Communication 1	3
COM 111	Fundamentals of Public Speaking	3
CIS 101	Computer Information Systems I	3
HIS 201	History of Lagos up to the 20th Century	3
CHM 204	Organic Chemistry II	4
	Total Semester Credit Units/Hours	19

CHM 151 General Chemistry I

4 Credits

This course covers fundamental principles and laws of chemistry. Topics include measurement, atomic and molecular structure, periodicity, chemical reactions, chemical bonding, stoichiometry, thermochemistry, gas laws, and solutions. Upon completion, students should be able to demonstrate an understanding of fundamental chemical laws and concepts as needed in CHM 152.

CHM 152 General Chemistry II

4 Credits

This course provides a continuation of the study of the fundamental principles and laws of chemistry. Topics include kinetics, equilibrium, ionic and redox equations, acid-base theory, electrochemistry, thermodynamics, introduction to nuclear and organic chemistry, and complex ions.

Pre-requisite: Successful completion of CHM151 with a grade of C or better

PHY 101 College Physics I

4 Credits

This is the first half of a standard college physics sequence for technology, architecture, or biological science majors. Lecture and laboratory work is supported by individual assistance and computer activities. This course includes the study of kinematics, dynamics, momentum, energy, circular motion, universal gravitation, rotational motion, the structure of materials, and fluids.

PHY 102 College Physics II

4 Credits

This is the second half of a standard college physics course sequence. Lecture and laboratory work is supported by individual assistance and computer activities. This half emphasizes the study of electricity magnetism and light, with additional topics including solids, fluids, heat, thermodynamics, vibrations, waves, sound, and topics in modern physics.

Pre-requisite; Successful completion of PHY101 with a grade of C or better

PSY 101 Introduction to Psychology**3 Credits**

An introduction into the empirical study of human behavior and mental processes. Topics to be treated include biological bases of behavior, sensation and perception, states of consciousness, learning, memory, motivation and emotion, language, lifespan development, intelligence, stress and health, social behavior, personality, and abnormal behavior and treatment; applications of psychology in a culturally diverse world.

ENG 101 - English Composition I**3Credits**

A study of style, syntax, and basic organizational patterns. Topics include various rhetorical patterns, audience, purpose, diverse perspectives, writing, revising, and editing. Research paper required.

ENG 102 - English Composition II**3 Credits**

A composition course in argumentative writing, including invention, organization, style, and revision. Critical reading and thinking will be addressed through students' writing. Research skills and documentation will be introduced.

Pre-requisites: Successful completion of ENG 101 with a grade of C or better.

EDU 101 Introduction to Education**3 credits**

Students in this course are introduced to the complex world of education and teaching. The profession is examined from various perspectives, with the focus on the extensive requirements for success, including knowledge, skills, hard work, commitment, and talent. Attention is given to the historical, philosophical, political, and legal foundations of education in America. Students have opportunity through direct observation and class discussions to examine characteristics of students, the complexities of the classroom life, and the school curriculum. An examination of current themes and issues enables participants to understand the importance of extending equal educational opportunity to all students.

CIS 101 -Computer Information Systems I**3 Credits**

This course introduces computer terminology and concepts, Web browser, word processing, spreadsheet, database, and presentations software. Emphasis is placed on hands-on practice to produce interesting and useful projects, and computer skills will be reinforced through the use of tutorials and cases. Lab Fee.

COM 120 Introduction to Interpersonal Communication**3 Credits**

This course introduces the practices and principles of interpersonal communication in both dyadic and group settings. Emphasis is placed on the communication process, perception, listening, self-disclosure, speech apprehension, ethics, nonverbal communication, conflict, power, and dysfunctional communication relationships. Upon completion, students should be able to demonstrate interpersonal communication skills, apply basic principles of group discussion, and manage conflict in interpersonal communication situations.

COM 111: Fundamentals of Public Speaking**3 Credits**

This course will introduce students to the theoretical frameworks and practical application of public speaking by integrating conceptual themes of rhetoric, stylistic organization, delivery, evaluative assessment, and argumentation.

BIO 111 General Biology I**4Credits**

This course introduces the principles and concepts of biology. Emphasis is placed on basic biological chemistry, cell structure and function, metabolism and energy transformation, genetics, evolution, classification, and other related topics. Upon completion, students should be able to demonstrate understanding of life at the molecular and cellular levels.

BIO 112 General Biology II**4Credits**

This course is a continuation of BIO 111. Emphasis is placed on organisms, biodiversity, plant and animal systems, ecology, and other selected topics. Upon completion, students should be able to demonstrate comprehension of life at the organismal and ecological levels.

Pre-requisite: Successful completion of BIO111 with a grade of C or better.

HIS 101 – History of Nigeria – from the Earliest Times to 1800**3****Credits**

This course is a survey of the origins, migrations and settlements of various Nigerian peoples in their Kingdoms and States. The course also highlights historical developments in the Nigerian regions during this period including state formation and inter-group relations in the areas of political, religious, economic and sociocultural activities.

HIS 102– History of Nigeria from 1800 to the present**3 Credits**

The course examines some major developments including internal and external factors which brought the Nigerian communities into a state. The course also discusses the Sokoto Jihad; the fall of Oyo Empire and the Yoruba Civil Wars; the Slave Trade, the Abolition of the Slave Trade and European penetration of the hinterland; the establishment of Colonial rule/Amalgamation; and the Effects of World War I; the political and economic structure of colonial rule in the inter-war years; the World War II and its aftermaths; Nationalism and Independence; The First Republic and its collapse; the Military Regimes; the Second Republic; the Buhari/Idiagbon years; the Babangida years and the Aborted Third Republic; the Interim National Government; the Abacha and Abubakar regimes; and the Emergence of the Fourth Republic.

HIS 201 History of Lagos up to the 20th Century**3 Credits**

The course examines the various traditions of origin of Lagos; traditional political institutions in Lagos; civil wars; the relationships between Lagos and its neighbors; Lagos' participation in slavery, slave trade, and "legitimate trade"; the British Consulate; the influx and the spatial distribution of immigrants; introduction of Islam and Christianity; Colonialism and social transformation and problems including crime; Students are

expected to visit historical sites such as palaces, the point of no return in Badagry, museum etc

MAT 207 Calculus & Analytic Geometry I

3 Credits

Topics include (but are not limited to) the following: limits and continuity of functions; definition of derivative, rate of change, slope; derivatives of polynomial, rational, trigonometric functions, inverse trigonometric functions, exponential, and logarithmic functions; the chain rule; implicit differentiation; applications of the derivative; indeterminate forms and L'Hôpital's rules; approximation by differentials; higher-order derivatives; Rolle's Theorem and mean value theorem; antiderivatives and the definite integral including the substitution method; the fundamental theorem of calculus. Writing assignments, as appropriate to the discipline, are part of the course.

CHM 203 General Chemistry II

4 Credits

Topics include equilibrium, acid-base equilibria, solubility equilibria, kinetics, thermodynamics, electrochemistry, coordination compounds, nuclear chemistry and descriptive topics in organic chemistry. Writing assignments, as appropriate to the discipline, are part of the course.

Pre-requisite: Successful completion of CHM 203 with a grade of C or better.

MAT 208 Calculus & Analytic Geometry II

3 Credits

Topics include (but are not limited to) the following: applications of the integral; area, physics applications, a rigorous analytic approach to the definitions and properties of logarithmic, exponential functions, and introduction of hyperbolic functions; techniques of integration, including numerical methods, integration by parts, trigonometric substitution, and partial fractions; improper integrals; sequences and series, convergence tests, Taylor and Maclaurin series; parametric equations; polar coordinates and equations of curves, Cartesian, and polar equations of conic sections.

MAT221 Calculus with Analytic Geometry III

4 Credits

This course is a continuation of MAT 122, covering the theory and applications of vector differential and integral Calculus. Topics include parametric curves, general vector fields, partial derivatives, vector differential operators, non-rectangular coordinate systems, multiple integrals, the change of variables theorems, and the vector integral theorems of Green, Gauss and Stokes

CHM 203 Organic Chemistry I

4 Credits

The fundamental synthesis and reaction so f various organic molecules and the role these molecules play in our everyday lives. The theory behind the reactions is also included along with topics such as resonance and mechanisms. The lab includes experiments in polymers, flavorings, dyes, perfumes, analgesics, and food colors where the methods employed in the synthesis and purifications of the product are emphasized.

CHM 204 Organic Chemistry II**4 Credits**

A continuation of CHM 203. The current views of the mechanisms of organic reactions are emphasized. Students in the laboratory continue the theory and practice of some techniques employed in the synthesis, purification, and identification of organic compounds.

Pre-requisite: Successful completion of BIO 203 with a grade of C or better

EDU 203 Educational Psychology**3 Credits**

Assessment of aptitudes, capacities, interests, and achievements; and the educational implications of physical, emotional and social development. Hours of observing in an educational setting are required for this course to ensure various aspects of teaching strategies in a classroom can be observed by the students. Writing assignments as appropriate to the discipline, are part of the course.

HUM 201 - Survey of Western Culture I**3 Credits**

Studies thought, values, and arts of Western culture, integrating major developments in art, architecture, literature, music, and philosophy.

ANT 202 Cultural Anthropology**3 Credits**

Comparative study of human societies and cultures of the world; cross-cultural investigation of social organization and political, economic, religious, and family systems. Writing assignments, as appropriate to the discipline, are part of the course.

HLT110 - Personal and Community Health**2Credits**

Contemporary concerns in health science, including mental health, sexuality and reproduction, drugs and alcohol, physical fitness, nutrition, human development, and healthcare delivery systems are examined. Decision-making is emphasize

SPECIAL TEACHER EDUCATION, AAT

The Special Education pathway begins your preparation to teach Special Education to K-12 students. Special Education teachers are also required to earn a bachelor's degree from an accredited program and obtain a Professional Educators License with a Special Education endorsement from State Board of Education in the United State of America. Get started now by earning your associate degree from The Nubian American Advanced College, transfer to a four-year teacher certification program as a junior, and start a career in Special Education

1st Semester (Freshman)		
Course Code	Course Title	Credit Unit/ Hours
ENG 101	English Composition 1	3
MAT 118	General Education Math 1	4
EDU 101	Introduction to Education	2
PSY 101	Introduction to Psychology	3
MAT121	Math For Elementary Teachers I	4
	Total Semester Credit Units/Hours	16

2 nd Semester (Freshman)		
Course Code	Course Title	Credit Unit/ Hours
ENG 102	English Composition 11	3
PSY207	Child Psychology	3
CHD 101	Human Growth & Development I	2
MAT121	Math For Elementary Teachers I	4
HIS 101 or	History of Nigeria – from the Earliest Times to 1800	3
HIS 102	History of Nigeria from 1800 to the present	3
	Total Semester Credit Units/Hours	15

3 rd Semester (Sophomore)		
Course Code	Course Title	Credit Unit/ Hours
BIO 115	Human Biology	3
SED 220 -	Special Education: An Overview	3
CHL 102	Human Growth & Development II	3
ANT 202	Cultural Anthropology	3
HIS 201	History of Lagos up to the 20th Century	3
	Total Semester Credit Units/Hours	15

4 th Semester (Sophomore)		
Course Code	Course Title	Credit Unit/ Hours
COM 101 or	Fundamentals of Speech Communication	3
COM 111	Fundamentals of Public Speaking	3
PHL 107	Ethics 1	3
CHD 205	Development of Exceptional Child	3
EDU 203	Educational Psychology	3
EVS 107	Environmental Geology	3
HLT110	Personal and Community Health	2
	Total Semester Credit Units/Hours	17

ENG 101 - English Composition I**3Credits**

A study of style, syntax, and basic organizational patterns. Topics include various rhetorical patterns, audience, purpose, diverse perspectives, writing, revising, and editing. Research paper required.

ENG 102 - English Composition II**3 Credits**

A composition course in argumentative writing, including invention, organization, style, and revision. Critical reading and thinking will be addressed through students' writing. Research skills and documentation will be introduced.

Pre-requisites: completion of ENG 101 with a grade of C or better.

MAT118 General Education Math**4 Credits**

This course is designed to fulfill general education requirements. It is not designed as a prerequisite for any other college mathematics course. This course focuses on mathematical reasoning and solving of real-life problems. Three or four topics are to be studied in depth, with at least three chosen from the following list: counting techniques and probability, game theory, geometry, graph theory, linear programming, logic and set theory, mathematical modeling, mathematics of finance, and statistics. Applications involving problem-solving skills are emphasized throughout the course. Technology is an integral part of this course.

EDU 101 Introduction to Education**3 Credits**

Students in this course are introduced to the complex world of education and teaching. The profession is examined from various perspectives, with the focus on the extensive requirements for success, including knowledge, skills, hard work, commitment, and talent. Attention is given to the historical, philosophical, political, and legal foundations of education in America. Students have opportunity through direct observation and class discussions to examine characteristics of students, the complexities of the classroom life, and the school curriculum. An examination of current themes and issues enables participants to understand the importance of extending equal educational opportunity to all students. With a fuller understanding of the role of education in America, participants are guided toward selecting careers in education

PHL107 Ethics**3 Credits**

Introduction to representative ethical systems; approaches to problems of values and conduct. Writing assignments, as appropriate to the discipline, are part of the course.

MAT121 Math For Elementary Teachers I**4 Credits**

This course focuses on mathematical reasoning and problem solving. Topics include operations with rational and irrational numbers, sets, functions, logic, numeration systems and number theory, and solution of linear equations in one variable. Applications are included throughout the course. Problem-solving with the use of calculators and computers is emphasized throughout the course. Writing assignments, as appropriate to the discipline, are part of the course.

EVS 107 Environmental Geology**3 Credits**

This course will examine human interactions with geologic processes and hazards, including earthquakes, volcanoes, landslides, subsidence, hydrology, and flooding; occurrence and availability of geologic resources, such as energy, water, and minerals; principals of land-use planning, pollution, and waste disposal, environmental impact, health, and law. Writing assignments, as appropriate to the discipline, are part of the course.

CHL 101 Human Growth & Development I**3 Credits**

This course provides a foundation in theory and principles of human development, from conception to early adolescence, including an in-depth study of physical, social, emotional, cognitive, and language development, including children's play. Five hours observing young children, ranging in age from birth to age eight, are required. Writing assignments and oral presentations as appropriate to the discipline are part of the course.

BIO115 Human Biology**3 Credits**

Examines practical aspects of selected concepts in biology and their application to technology. Concepts may include heredity, growth, development, health, and ecology. Human systems may be studied as they relate to the major topics. Emphasis will be placed on the relationship of the issues to the individual and society. This course is equivalent to the Illinois Articulation Initiative's General Education generic course numbered L1904L. Writing assignments, as appropriate to the discipline, are part of the course.

CHD102 Human Growth & Development II**3 Credits**

Continuation of Child Development 101. Emphasizes adolescence through late adulthood. Writing assignments, as appropriate to the discipline, are part of the course.

Pre-requisite Successful completion of CHD 101 with a grade of C or higher OR Consent of Department Chairperson

COM 101 Fundamentals of Speech Communication**3 Credits**

Theory and practice of oral communication; development of poise and confidence, delivery, and speech organization; public speaking practice; small group discussion, and development of standards of criticism. Writing assignments, as appropriate to the discipline, are part of the course.

COM 111 Fundamentals of Public Speaking**3 Credits**

This course will introduce students to the theoretical frameworks and practical application of public speaking by integrating conceptual themes of rhetoric, stylistic organization, delivery, evaluative assessment, and argumentation.

HLT110 - Personal and Community Health**2 Credits**

Contemporary concerns in health science, including mental health, sexuality and reproduction, drugs and alcohol, physical fitness, nutrition, human development, and healthcare delivery systems are examined. Decision-making is emphasized.

PSY 101 Introduction to Psychology 3 Credits

An introduction into the empirical study of human behavior and mental processes. Topics to be treated include biological bases of behavior, sensation and perception, states of consciousness, learning, memory, motivation and emotion, language, lifespan development, intelligence, stress and health, social behavior, personality, and abnormal behavior and treatment; applications of psychology in a culturally diverse world

HIS 101 – History of Nigeria – from the Earliest Times to 1800 3 Credits

This course is a survey of the origins, migrations and settlements of various Nigerian peoples in their Kingdoms and States. The course also highlights historical developments in the Nigerian regions during this period including state formation and inter-group relations in the areas of political, religious, economic and sociocultural activities.

HIS 102– History of Nigeria from 1800 to the present 3 Credits

The course examines some major developments including internal and external factors which brought the Nigerian communities into a state. The course also discusses the Sokoto Jihad; the fall of Oyo Empire and the Yoruba Civil Wars; the Slave Trade, the Abolition of the Slave Trade and European penetration of the hinterland; the establishment of Colonial rule/Amalgamation; and the Effects of World War I; the political and economic structure of colonial rule in the inter-war years; the World War II and its aftermaths; Nationalism and Independence; The First Republic and its collapse; the Military Regimes; the Second Republic; the Buhari/Idiagbon years; the Babangida years and the Aborted Third Republic; the Interim National Government; the Abacha and Abubakar regimes; and the Emergence of the Fourth Republic.

HIS 201 History of Lagos up to the 20th Century 3 Credits

The course examines the various traditions of origin of Lagos; traditional political institutions in Lagos; civil wars; the relationships between Lagos and its neighbors; Lagos' participation in slavery, slave trade, and "legitimate trade"; the British Consulate; the influx and the spatial distribution of immigrants; introduction of Islam and Christianity; Colonialism and social transformation and problems including crime; Students are expected to visit historical sites such as palaces, the point of no return in Badagry, museum etc

HUM 202 - Survey of Western Culture II 3 Credits

Studies thought, values, and arts of Western culture, integrating major developments in art, architecture, literature, music, and philosophy. Covers the following periods: Renaissance, Baroque, Enlightenment, Romantic, and Modern.

PSY207 Child Psychology 3 Credits

Development, adjustment, and psychological problems of the child from birth through adolescence; relationship of scientific psychological findings to practical methods of child guidance and training by parents, teachers, and others. Writing assignments, as appropriate to the discipline, are part of the course.

Pre-requisite Successful completion of PSY 201 with a grade of C or higher

CHD 205 Development of Exceptional Child**3 Credits**

Study of children whose development does not follow normal patterns, problems of identification, diagnosis and potential assessment. Writing assignments, as appropriate to the discipline, are part of the course.

Pre-requisite Successful completion of CDH 101 with a grade of C or higher *Consent of Department Chairperson*

EDU 205 - Human Development: Grades K-8**3 Credits**

Explores theories of child and early adolescent development pertaining to education. Topics include biological, cognitive, linguistic, and social-emotional development and are taught through problem-based learning, large- and small-group discussion, case studies and lecture. Requires a service learning field placement in after-school sites.

EDU 203 Educational Psychology**3 Credits**

Assessment of aptitudes, capacities, interests, and achievements; and the educational implications of physical, emotional and social development. Hours of observing in an educational setting are required for this course to ensure various aspects of teaching strategies in a classroom can be observed by the students.

Pre-requisite: Successful completion of PSY 201 with a grade of C or higher *Consent of Department Chairperson*.

SED 220 - Special Education: An Overview**3 Credits**

The field of special education and the population it serves are introduced. The history of special education is discussed. Federal and State regulations are emphasized. Each exceptionality is presented in terms of group characteristics, accepted category definitions, causes of disorder, and developmental assessment and identification techniques. The course focuses on the need for early identification of special children and the ways in which these children can be identified. The physical and psychosocial needs of special children and the effects of their exceptionalities on their families, teachers, and peers are presented.

Pre-requisite: Successful completion of ENG 101 with a grade of "C" or better.

ANT 202 Cultural Anthropology**3 Credits**

Comparative study of human societies and cultures of the world; cross-cultural investigation of social organization and political, economic, religious, and family systems. Writing assignments, as appropriate to the discipline, are part of the course.

SOCIAL SCIENCE EDUCATION,AAT

1 st Semester (Freshman)		
Course Code	Course Title	Credit Unit/ Hours
BIO 101	General Biology I	4
ENG 111	College Composition I	3
HIS 101 or	History of Nigeria – from the Earliest Times to 1800	3
HIS 102	History of Nigeria from 1800 to the present	3
HLT 110	Concepts of Personal & Community Health	2
MAT 151	Mathematics for the Liberal Arts I	3
EDU 101	Introduction to Education	2
	Total Semester Credit Units/Hours	17

2 nd Semester (Freshman)		
Course Code	Course Title	Credit Unit/ Hours
BIO 102	General Biology II	4
ENG 112	College Composition II	3
ITE 115	Intro to Computer Applications & Concepts	2
MAT 152	Math for the Liberal Arts	3
SOC 102	General Course II Social Science	2
	Total Semester Credit Units/Hours	14

3 rd Semester (Sophomore)		
Course Code	Course Title	Credit Unit/ Hours
PSY101	Introduction to Psychology	3
COM 101 or	Fundamentals of Speech Communication	2
COM 111	Fundamentals of Public Speaking	2
ECO 201	Principles of Economics I	3
SOC 201	Introductory Statistics for the Social Sciences	3
EDU 203	Educational Psychology	3
ENG 258	Survey of Western World Literature II	3
	Total Semester Credit Units/Hours	17

4 th Semester (Sophomore)		
Course Code	Course Title	Credit Unit/ Hours
FRE 111	Elementary French I	3
PHL 101	Introduction to Philosophy	3
GEO 210	People & the Land: Intro to Cultural Geography	3
HIS 101	History of Western Civilization I	3
HIS 201	History of Lagos up to the 20th Century	3
	Total Semester Credit Units/Hours	15

BIO 111 General Biology I **4 Credits**
This course introduces the principles and concepts of biology. Emphasis is placed on basic biological chemistry, cell structure and function, metabolism and energy transformation, genetics, evolution, classification, and other related topics. Upon completion, students should be able to demonstrate understanding of life at the molecular and cellular levels.

BIO 112 General Biology II **4 Credits**
This course is a continuation of BIO 111
Emphasis is placed on organisms, biodiversity, plant and animal systems, ecology, and other selected topics. Upon completion, students should be able to demonstrate comprehension of life at the organismal and ecological levels.

Pre-requisite Successful completion of BIO 111 with a grade of C or higher

ENG 101 - English Composition I **3Credits**
A study of style, syntax, and basic organizational patterns. Topics include various rhetorical patterns, audience, purpose, diverse perspectives, writing, revising, and editing. Research paper required.

ENG 102 - English Composition II **3 Credits**
A composition course in argumentative writing, including invention, organization, style, and revision. Critical reading and thinking will be addressed through students' writing. Research skills and documentation will be introduced.

Pre-requisites: Successful completion of ENG 101 with a grade of C or better.

MAT 151 - Mathematics for The Liberal Arts I **3 Credits**
Presents topics in sets, logic, numeration systems, geometric systems, and elementary computer concepts.

HLT 201 - Personal and Community Health **2 Credits**
Contemporary concerns in health science, including mental health, sexuality and reproduction, drugs and alcohol, physical fitness, nutrition, human development, and healthcare delivery systems are examined. Decision-making is emphasized

ICT 115 Introduction to Computer Applications and Concepts **3 Credits**
Covers the basics of computer hardware, software, and networking and helps students develop basic skills in using Windows and Microsoft Office and creating web pages. Students also learn how to use computers safely, and to consider ethical issues related to computer usage.

MAT 152 Mathematics for the Liberal Arts II **3 Credits**
Presents topics in functions, combinatorial, probability, statistics, and algebraic systems.

COM 101 Fundamentals of Speech Communication **3 Credits**
Theory and practice of oral communication; development of poise and confidence, delivery, and speech organization; public speaking practice; small group discussion, and development of standards of criticism. Writing assignments, as appropriate to the discipline, are part of the course.

COM 111: Fundamentals of Public Speaking **3 Credits**
This course will introduce students to the theoretical frameworks and practical application of public speaking by integrating conceptual themes of rhetoric, stylistic organization, delivery, evaluative assessment, and argumentation.

FRE 1110 - Elementary French I **2 Credits**
FRE 1110 is the first of three sequential courses that teach the basic skills of listening, speaking, reading, and writing in French. Students build these skills by preparing for the unit objectives with grammar tutorials, interactive vocabulary presentations, authentic readings, and corresponding assessment activities.

ART 101 - Art Appreciation **3 Credits**
This course is designed as an introductory-level art history for the non-art major. It surveys the aesthetic principles of the visual arts and their interpretation in a socio-historical context

EDU101 Introduction to Education **2 Credits**
This course will provide an introduction to teaching as a profession in the American education system. The course offers a variety of perspectives on education including historical, philosophical, social, legal, and ethical issues in a diverse society. It includes organizational structure and school governance. A field experience is required. Writing assignments, as appropriate to the discipline, are part of the course.

SOC 102 General Course II Social Science **3 Credits**
A survey of subject matter and concepts selected from the disciplines of economics, geography, history, and political science. Writing assignments, as appropriate to the discipline, are part of the course.

PSY 101 Introduction to Psychology **3 Credits**
An introduction into the empirical study of human behavior and mental processes. Topics to be treated include biological bases of behavior, sensation and perception, states of consciousness, learning, memory, motivation and emotion, language, lifespan development, intelligence, stress and health, social behavior, personality, and abnormal behavior and treatment, applications of psychology in a culturally diverse world.

HIS 101 – History of Nigeria – from the Earliest Times to 1800 3 Credits

This course is a survey of the origins, migrations and settlements of various Nigerian peoples in their Kingdoms and States. The course also highlights historical developments in the Nigerian regions during this period including state formation and inter-group relations in the areas of political, religious, economic and sociocultural activities.

HIS 102– History of Nigeria from 1800 to the present 3 Credits

The course examines some major developments including internal and external factors which brought the Nigerian communities into a state. The course also discusses the Sokoto Jihad; the fall of Oyo Empire and the Yoruba Civil Wars; the Slave Trade, the Abolition of the Slave Trade and European penetration of the hinterland; the establishment of Colonial rule/Amalgamation; and the Effects of World War I; the political and economic structure of colonial rule in the inter-war years; the World War II and its aftermaths; Nationalism and Independence; The First Republic and its collapse; the Military Regimes; the Second Republic; the Buhari/Idiagbon years; the Babangida years and the Aborted Third Republic; the Interim National Government; the Abacha and Abubakar regimes; and the Emergence of the Fourth Republic.

HIS 201 History of Lagos up to the 20th Century 3 Credits

The course examines the various traditions of origin of Lagos; traditional political institutions in Lagos; civil wars; the relationships between Lagos and its neighbors; Lagos' participation in slavery, slave trade, and "legitimate trade"; the British Consulate; the influx and the spatial distribution of immigrants; introduction of Islam and Christianity; Colonialism and social transformation and problems including crime; Students are expected to visit historical sites such as palaces, the point of no return in Badagry, museum etc

EDU 203 Educational Psychology 3 Credits

Assessment of aptitudes, capacities, interests, and achievements; and the educational implications of physical, emotional and social development. Hours of observing in an educational setting are required for this course to ensure various aspects of teaching strategies in a classroom can be observed by the students. Writing assignments as appropriate to the discipline, are part of the course.

Pre-requisite: Successful completion of EDU 101 with a grade of C or higher

SOC 201 - Introductory Statistics for the Social Sciences 3Credits

Presentation and description of data, contingency table construction and interpretation, introduction to multivariate analysis, correlation and hypothesis testing.

ENG 258 Survey of Western World Literature II 3 Credits

This course is a study of literary masterworks of the Western World, from the seventeenth century to the present. Students will analyze literary works through discussion and writing.

Pre-requisite Successful completion of ENG 101 with a grade of C or higher.

GEO 210 - People and the Land: Intro to Cultural Geography **3 Credits**

Focuses on the relationship between culture and geography. Presents a survey of modern demographics, landscape modification, material and non-material culture, language, race and ethnicity, religion, politics, and economic activities. Introduces the student to types and uses of maps.

ECO 201 Principles of Economics I **3 Credits**

Covers macro or income analysis; includes money, income determination, public finance, and economic development. Writing assignments, as appropriate to the discipline, are part of the course.

DEPARTMENT OF CHILDHOOD AND PRIMARY EDUCATION

EARLY CHILDHOOD EDUCATION, AA

The Early Childhood Education program of study prepares students to work with young children in a variety of early care and education settings. Graduates will be able to provide high quality educational environments that are inclusive of all children ages birth to 9. They will gain the necessary knowledge and skills to provide a developmentally appropriate, culturally responsive, and inclusive early learning experience.

At the completion of this degree, students are prepared to enter the early care and education workforce. Opportunities include working in childcare, young school age childcare, nursery schools and as teacher's aides in public schools.

This program of study also serves as a transfer pathway to earn teacher certification, Pre-kindergarten through 4th grade. Students wishing to earn teacher certification must transfer to a 4-year institution to earn a bachelor's degree, Prekindergarten through 4th grade.

The results of the background clearances could have an impact on the student's ability to continue in the degree. There are additional fees to obtaining clearances and students may have to get their clearances renewed.

1st Semester (Freshman)		
Course Code	Course Title	Credit Unit/ Hours
ECE 100	Principles of Early Childhood Education	3
ENG 101	English Composition I	3
ECE 112	Developing a Professional Portfolio and Resource File for ECE	3
HIS 101 or	History of Nigeria – from the Earliest Times to 1800	3
HIS 102	History of Nigeria from 1800 to the present	3
ECE 130	Early Childhood Development	3
COM 101 or	Fundamentals of Speech Communication	3
COM 111:	Fundamentals of Public Speaking.	3
	Total Semester Credit Units	18

2nd Semester (Freshman)		
Course Code	Course Title	Credit Unit/ Hours
BIO 102	Principles of Biology	4
ENG 112	English Composition II: Writing About Literature	3
ECE 140	Integrated Curriculum and Assessment	3
PSY101	Introduction to Psychology	3
ECE 120	Early Childhood Education Laboratory I	4
	Total Semester Credit Units	17

3rd Semester (Sophomore)		
Course Code	Course Title	Credit Unit/ Hours
EDU 220	Introduction to Special Education	3
ECE 110	Infant/Toddler Care and Education	3
ECE 111	Methods and Materials for Teaching	3
MAT 125	Mathematics for Teachers of Children I	3
ENG 250	Children's Literature	3
HIS 201	History of Lagos up to the 20th Century	3
	Total Semester Credit Units	15

4th Semester (Sophomore)		
Course Code	Course Title	Credit Unit/ Hours
ECE 201	Children Families and Community	3
ECE 121	Early Childhood Education Laboratory II	4
EDU 208	English Language Learners	3
SOC 110	Introduction to Sociology	3
MAT 126	Mathematics for Elementary Teachers II	3
	Total Semester Credit Units	16

Total Credits: 63-65

COM 113 Introduction to Persuasion

3 Credits

This course examines historical and contemporary approaches to persuasive messages throughout time. The primary goal of this course is to provide students with a solid grounding in theories, principles, and strategies of social influence as they relate to everyday life. It will also focus on the oral presentation of persuasive appeals, and learning to construct, deliver, and critique persuasive messages. Significant speaking assignments are an integral part of the course

ENG 101 - English Composition I

3 Credits

A study of style, syntax, and basic organizational patterns. Topics include various rhetorical patterns, audience, purpose, diverse perspectives, writing, revising, and editing. Research paper required.

ENG 102 - English Composition II **3 Credits**

A composition course in argumentative writing, including invention, organization, style, and revision. Critical reading and thinking will be addressed through students' writing. Research skills and documentation will be introduced.

Pre-requisites: Successful completion of ENG 101 with a grade of C or better.

EVS 101 Introduction to Environmental Sciences **3 Credits**

This course covers the physical, biological and chemical systems that constitute the Earth's environment. Topics include geological processes, hydrology, climatology and weather, air and water pollution, population biology, ecosystems, and biodiversity. This course will include analyses of how human.

BIO 110 Elements of Biology **4 Credits**

An introduction to biology for non-science majors including the study of plants, animals, ecology, and evolution. The foundations of biology, including biochemistry, cell biology, genetics, anatomy and physiology, and the impact of humans on the environment will be covered in this course.

MAT 111 Math Concepts for Elementary School Teachers - Number Systems **4 Credits**

This course covers mathematical topics needed for elementary school teaching with a focus on quantitative reasoning, problem solving and communication. Topics include structure of the real number system, sets, numeration systems, computation algorithms, problem solving strategies, and elementary number theory. The course meets requirements for elementary school teacher certification.

Pre-requisite: Completion of two years of High School Algebra

TAT 101 Introduction to Theatre **3 Credits**

This course is designed as a general survey of the history, theory and practice of theatre art from its origins to the present time. The study includes elements of drama, historic structures of the theatre, characteristics of plays, the contribution of the director, actors, designers, and contemporary production techniques.

FRE 101 Elementary French I **3 Credits**

This course presents the fundamentals of French. Fluency in understanding, speaking, reading and writing within the context of the French society and French-speaking countries, history and culture is emphasized.

PHL 101 Introduction to Philosophy**3 Credits**

This course surveys the traditional philosophical problems of knowledge, logic, ethics, aesthetics, religion and metaphysics. A special emphasis is placed upon the ancient Greek philosophers as the foundational thinkers of Western civilization. The historical and conceptual links between ancient Greece and ancient India are discussed. Some relevant developments in medieval and modern philosophy are highlighted.

PSY 101 Introduction to Psychology**3 Credits**

An introduction into the empirical study of human behavior and mental processes. Topics to be treated include biological bases of behavior, sensation and perception, states of consciousness, learning, memory, motivation and emotion, language, lifespan development, intelligence, stress and health, social behavior, personality, and abnormal behavior and treatment; applications of psychology in a culturally diverse world.

SOC 101 Introductory Sociology**3 Credits**

This course is a survey of the characteristics of social life, the processes of social interaction, and the tools of sociological investigation.

EDU 112 Introduction to Elementary Classroom Teaching**3 Credits**

This course introduces students to the concepts and issues related to teaching diverse learners in today's contemporary schools. Topics include: teaching as a profession and career; historical and philosophical foundations of the American education system; contemporary educational issues; California's content standards and frameworks; and teacher performance standards. In addition to class time, the course requires a minimum of 45 hours of structured homework in public elementary classrooms that represent California's diverse student population, and includes cooperation with at least one carefully selected and campus approved certificated classroom teacher.

Pre-requisite: Successful completion of CDE 101 with a grade of "C" or better.

CDE 101 Child Growth & Development**3 Credits**

This course examines the major physical, psychosocial, and cognitive/language developmental milestones for children, both typical and atypical, from conception through adolescence. There will be an emphasis on interactions between maturation processes and environmental factors. While studying developmental theory and investigative research methodologies, students will observe children, evaluate individual differences and analyze characteristics of development at various stages

CDE 102 Child, Family, & Community**3 Credits**

The process of socialization focusing on the interrelationship of family, school, and community. Examines the influence of multiple societal contexts. Explores the role of collaboration between

CDE 103 Principles & Practices of Teaching **3 Credits**

Historical context and theoretical perspectives of developmentally appropriate practice and early care and education. Examines the role of the early childhood educator, identification of best practices for environmental design, curriculum, and teaching strategies. Explores teacher child relationships, professional ethics, career pathways, and professional standards.

CDE 104 Introduction to Curriculum . **3 Credits**

This course presents an overview of knowledge and skills related to providing appropriate curriculum and environments for young children. Students examine teacher's role in supporting development and fostering the joy of learning for all young children using observation and assessment strategies emphasizing the essential role of play. An overview of content areas will include, but not be limited to: Language and literacy, social and emotional learning, sensory learning, art and creativity, math and science.

Pre-requisite: Successful completion of CDE 101 & CDE 102 with a grade of “C” or better.

COM 101 Fundamentals of Speech Communication **3 Credits**

Theory and practice of oral communication; development of poise and confidence, delivery, and speech organization; public speaking practice; small group discussion, and development of standards of criticism. Writing assignments, as appropriate to the discipline, are essential.

COM 111: Fundamentals of Public Speaking. **3 Credits**

This course will introduce students to the theoretical frameworks and practical application of public speaking by integrating conceptual themes of rhetoric, stylistic organization, delivery, evaluative assessment, and argumentation.

HIS 101 – History of Nigeria – from the Earliest Times to 1800. **3 Credits**

This course is a survey of the origins, migrations and settlements of various Nigerian peoples in their Kingdoms and States. The course also highlights historical developments in the Nigerian regions during this period including state formation and inter-group relations in the areas of political, religious, economic and sociocultural activities.

HIS 102– History of Nigeria from 1800 to the present. **3 Credits**

The course examines some major developments including internal and external factors which brought the Nigerian communities into a state. The course also discusses the Sokoto Jihad; the fall of Oyo Empire and the Yoruba Civil Wars; the Slave Trade, the Abolition of the Slave Trade and European penetration of the hinterland; the establishment of Colonial rule/Amalgamation; and the Effects of World War I; the political and economic structure of colonial rule in the inter-war years; the World War II and its aftermaths; Nationalism and Independence; The First Republic and its collapse; the Military Regimes; the Second Republic; the Buhari/Idiagbon years; the Babangida years and the Aborted Third Republic; the Interim National Government; the Abacha and Abubakar regimes; and the Emergence of the Fourth Republic.

HIS 201 History of Lagos up to the 20th Century**3 Credits**

The course examines the various traditions of origin of Lagos; traditional political institutions in Lagos; civil wars; the relationships between Lagos and its neighbors; Lagos' participation in slavery, slave trade, and "legitimate trade"; the British Consulate; the influx and the spatial distribution of immigrants; introduction of Islam and Christianity; Colonialism and social transformation and problems including crime; Students are expected to visit historical sites such as palaces, the point of no return in Badagry, museum etc

CDE 201 Health, Safety, & Nutrition**3 Credits**

Introduction to the laws, regulations, standards, policies, procedures, best practices and early childhood curriculum related to child health, safety, and nutrition. Includes prevention strategies, nutrition, and meal planning for various ages and planning education experiences integrated into daily routines designed to teach children positive health, safety, and nutrition habits.

Pre-requisite: Successful completion of CDE 104 with a grade of "C" or better.

CDE 202 Teaching in a Diverse Society**3 Credits**

Examination of the development of social identities in diverse societies including theoretical and practical implications of oppression and privilege as they apply to young children, families, programs, classrooms and teaching. Various classroom strategies are explored emphasizing culturally and linguistically appropriate anti-bias approaches supporting all children in becoming competent members of a diverse society.

Pre-requisite: Successful completion of CDE 104 with a grade of "C" or better.

CDE 203 Observation and Assessment**3 Credits**

This course focuses on the appropriate use of assessment and observation strategies to document development, growth, play and learning in order to join with families and professionals in promoting children's success and maintaining quality programs. Recording strategies, rating systems, portfolios, and multiple assessment methods are explored.

Pre-requisite: Successful completion of CDE 201 with a grade of "C" or better.

CDE 204 Practicum in Early Childhood Education**3 Credits**

A demonstration of developmentally appropriate early childhood teaching competencies under guided supervision. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Child centered, play-oriented approaches to teaching, learning, and assessment; and knowledge of curriculum content areas will be emphasized as student teachers design, implement and evaluate experiences that promote positive development and learning for all young children.

Pre-requisites: Successful completion of CDE 101 & CDE 102 with a grade of "C" or better.

ELEMENTARY EDUCATION, AAT

This program is designed for students wanting to complete the first two years of a bachelor's degree at the NAAC and transfer to a university to complete a BA with licensure in Elementary Teacher Education. Elementary Teacher careers require a bachelor's degree. The Associate of Arts degree with an emphasis in Elementary* Education prepares students to transfer as a junior to a four-year institution in Colorado in order to become an elementary teacher. Students interested in majoring in education need to identify the four-year college/ university to which they plan to transfer. Each individual institution requires different curriculum electives for graduation. *There are no current statewide articulation agreements in secondary or K-12 education, but students can still effectively pursue this option.

1st Semester (Freshman)		
Course Code	Course Title	Credit Unit/ Hours
ENG 101	English Composition 1	3
MAT 121	Math For Elementary Teachers I 1	4
ART 111	Art Appreciation	3
EDU 101	Introduction To Education 2	3
PSY 101	Introduction to Psychology	3
	Total Semester Credit Units/Hours	16

2 nd Semester (Freshman)		
Course Code	Course Title	Credit Unit/ Hours
ENG 102	English Composition 1I	3
MAT122	Math For Elementary Teachers II 2	4
LIT 130	Children's Literature 1	3
HIS 101 or	History of Nigeria – from the Earliest Times to 1800	3
HIS 102	History of Nigeria from 1800 to the present	3
EDU 102	Using Technology in The Class 2	3
	Total Semester Credit Units/Hours	16

3 RD Semester (Sophomore)		
Course Code	Course Title	Credit Unit/ Hours
COM 101 or	Fundamentals of Speech Communication 1	3
COM 111:	Fundamentals of Public Speaking	3
ANT202	Cultural Anthropology (HD) 1	3
EDU 203	Educational Psychology 2	3
HIS 201	History of Lagos up to the 20th Century	3
	Physical Sciences course 1	4
	Total Semester Credit Units/Hours	16

4 th Semester (Sophomore)		
Course Code	Course Title	Credit Unit/ Hours
CHD 205	Development of Exceptional Child	3
BIO115	Human Biology	4
CHD 101	Human Growth & Development I 2	4
PHL 112	Introduction to Philosophy	3
	Total Semester Credit Units/Hours	14

Total Hours 66

ENG 101 - English Composition I

3 Credits

A study of style, syntax, and basic organizational patterns. Topics include various rhetorical patterns, audience, purpose, diverse perspectives, writing, revising, and editing. Research paper required.

ENG 102 - English Composition II

3 Credits

A composition course in argumentative writing, including invention, organization, style, and revision. Critical reading and thinking will be addressed through students' writing. Research skills and documentation will be introduced.

Pre-requisites: Successful completion of ENG 101 with a grade of C or better.

EDU 101 Introduction to Education

3 Credits

This course is a survey of the role of education in America. Consideration is given to basic philosophies underlying the requirements of effective learning -- teaching situations, developmental aspects of school age children, current trends in education, and the selection of education as a profession. Participants should anticipate spending the equivalent of four days in field placement with a minimum of 30 hours in a public school classroom

PSY 101 Introduction to Psychology

3 Credits

An introduction into the empirical study of human behavior and mental processes. Topics to be treated include biological bases of behavior, sensation and perception, states of consciousness, learning, memory, motivation and emotion, language, lifespan development, intelligence, stress and health, social behavior, personality, and abnormal behavior and treatment; applications of psychology in a culturally diverse world.

ART 111 Art Appreciation

3 Credits

This course introduces the origins and historical development of art. Emphasis is placed on the relationship of design principles to various art forms including but not limited to sculpture, painting, and architecture. Upon completion, students should be able to identify and analyze a variety of artistic styles, periods, and media.

PHL 112 - Introduction to Philosophy

3 Credits

Examination of critical questions of human existence such as free will versus determinism, the nature of knowledge, and the basis for moral judgment. Reading and discussion of works by classical and contemporary philosophers.

MAT 121 Math For Elementary Teachers I**4 Credits**

This course focuses on mathematical reasoning and problem solving. Topics include operations with rational and irrational numbers, sets, functions, logic, numeration systems and number theory, and solution of linear equations in one variable. Applications are included throughout the course. Problem-solving with the use of calculators and computers is emphasized throughout the course. Writing assignments, as appropriate to the discipline, are part of the course.

LIT 130 Children's Literature**3 Credits.**

Survey of children's books, stories, magazines and related audio-visual material; criteria evaluated for building literature program within the classroom. Writing assignments, as appropriate to the discipline, are part of the course.

Pre-requisites: Successful completion of ENG-101, with a grade of C or higher.

EDU102 Using Technology in The Class**3 Credits.**

Prepare pre-service and in-service teachers to integrate technology, including computer and multimedia software, into pre-K through 12th grade classes. Surveys concepts of technology use, provides hands-on experience with hardware and software, and addresses human, social, and ethical issues related to the use of technology in education. Meets national and state technology standards. Writing assignments as appropriate to the discipline are part of the course.

MAT 122 Math For Elementary Teachers II**3 Credits.**

This course is a continuation of Mathematics 121. Topics include probability and statistics, lines, angles, polygons, Pythagorean Theorem, circles, solids, areas, volume, and measurements. Applications are included throughout the course. Problem-solving with the use of computers is emphasized throughout the course. Writing assignments, as appropriate to the discipline, are part of the course.

Pre-requisites: Successful completion of Math 121 with a grade of C or higher.

ENG 102 English Composition**3 Credits.**

Continuation of English 101. Introduces methods of research and writing of investigative papers. Writing assignments, as appropriate to the discipline, are part of the course.

Pre-requisites: Successful completion of ENG-101 with a grade of C or higher.

BIO115 Human Biology**3 Credits**

Examines practical aspects of selected concepts in biology and their application to technology. Concepts may include heredity, growth, development, health, and ecology. Human systems may be studied as they relate to the major topics. Emphasis will be placed on the relationship of the issues to the individual and society.

CHD101 Human Growth & Development I **3 Credits**

This course provides a foundation in theory and principles of human development, from conception to early adolescence, including an in-depth study of physical, social, emotional, cognitive, and language development, including children's play. Five hours observing young children, ranging in age from birth to age eight, are required. Writing assignments and oral presentations as appropriate to the discipline are part of the course.

EVS104 Energy Systems Fundamentals **3 Credits**

Course covers the basics of building envelopes, HVAC, lighting, insulation, glazing, plumbing and electrical systems, construction materials, and the surrounding environment. Incorporates blueprint/design fundamentals. Focus on construction engineering concepts. Introduces LEED and Energy Star programs, relevant environmental, health and safety principles, impacts, and regulatory implications. Provides a broad overview of energy use and efficiency in structures and why it matters. Writing assignments, as appropriate to the discipline, are part of the course.

COM 101 Fundamentals of Speech Communication. **3 Credits**

Theory and practice of oral communication; development of poise and confidence, delivery, and speech organization; public speaking practice; small group discussion, and development of standards of criticism. Writing assignments, as appropriate to the discipline, are part of the course.

COM 111: Fundamentals of Public Speaking **3 Credits**

This course will introduce students to the theoretical frameworks and practical application of public speaking by integrating conceptual themes of rhetoric, stylistic organization, delivery, evaluative assessment, and argumentation.

PHL 112 - Introduction to Philosophy **3 Credits**

Examination of critical questions of human existence such as free will versus determinism, the nature of knowledge, and the basis for moral judgment. Reading and discussion of works by classical and contemporary philosophers

HIS 101 – History of Nigeria – from the Earliest Times to 1800 **3 Credits**

This course is a survey of the origins, migrations and settlements of various Nigerian peoples in their Kingdoms and States. The course also highlights historical developments in the Nigerian regions during this period including state formation and inter-group relations in the areas of political, religious, economic and sociocultural activities.

HIS 102– History of Nigeria from 1800 to the present **3 Credits**

The course examines some major developments including internal and external factors which brought the Nigerian communities into a state. The course also discusses the Sokoto Jihad; the fall of Oyo Empire and the Yoruba Civil Wars; the Slave Trade, the Abolition of the Slave Trade and European penetration of the hinterland; the establishment of Colonial rule/Amalgamation; and the Effects of World War I; the political and economic structure

of colonial rule in the inter-war years; the World War II and its aftermaths; Nationalism and Independence; The First Republic and its collapse; the Military Regimes; the Second Republic; the Buhari/Idiagbon years; the Babangida years and the Aborted Third Republic; the Interim National Government; the Abacha and Abubakar regimes; and the Emergence of the Fourth Republic.

HIS 201 History of Lagos up to the 20th Century

3 Credits

The course examines the various traditions of origin of Lagos; traditional political institutions in Lagos; civil wars; the relationships between Lagos and its neighbors; Lagos' participation in slavery, slave trade, and "legitimate trade"; the British Consulate; the influx and the spatial distribution of immigrants; introduction of Islam and Christianity; Colonialism and social transformation and problems including crime; Students are expected to visit historical sites such as palaces, the point of no return in Badagry, museum etc

CHD 205 Development of Exceptional Child

3 Credits.

Study of children whose development does not follow normal patterns, problems of identification, diagnosis and potential assessment. Writing assignments, as appropriate to the discipline, are part of the course.

Pre-requisites: Successful completion of CHD 101 with a grade of C or higher.

EDU 203 Educational Psychology

3 Credits

Assessment of aptitudes, capacities, interests, and achievements; and the educational implications of physical, emotional and social development. Hours of observing in an educational setting are required for this course to ensure various aspects of teaching strategies in a classroom can be observed by the students. Writing assignments as appropriate to the discipline, are part of the course.

ANT 202 Cultural Anthropology

3 Credits

Comparative study of human societies and cultures of the world; cross-cultural investigation of social organization and political, economic, religious, and family systems. Writing assignments, as appropriate to the discipline, are part of the course.