COURSE DESCRIPTIONS

BIO 101 - General Biology  
Pre-requisite: none  
Biology 101 explores the fundamental characteristics of living matter from the molecular level to the ecological community, by emphasizing general biological principles including the unifying concepts of evolution and diversity. The focus is on atomic and cellular structure of biologically important atoms and molecules, prokaryotic, and eukaryotic cells, metabolism of living systems, genetic inheritance and the molecules involved in the process of the transmission of genetic information, and the diversity of all living organisms, and their taxonomic classification.

CHEM 101 - General Chemistry  
Pre-requisite: none  
General Chemistry as offered will evaluate and examine the science of chemistry as it relates to everyday lives. Our study will give us insight into scientific global issues like depletion of ozone layers and global warming. The issue facing our people today and future requires an understanding of chemical nature of materials around us, and their impact on our lives. Students will learn basic fundamental chemical science which can then be used to explain problems. It is mainly concerned with basic skills and conventions of chemistry.

CHEM 102 - Organic Chemistry  
Pre-requisite: CHEM 101  
This course provides a foundation in structural organic chemistry, acid base chemistry, chemical thermodynamics and reaction mechanisms. Fundamental concepts of nomenclature, formulae, preparation and properties of organic compounds, modern electronic and molecular orbital theories are introduced. It explores the structure of organic materials, the physical properties defined by these structures, and the manner in which we can manipulate materials by altering their structure. This course will focus on mechanisms of carbon based molecules.

CSE 101 - Computer Literacy 1 (BASIC)  
3 credits  
CSE 102 - Computer Literacy 2 (ADVANCED)  
3 credits  
This course is designed to develop the computer skills required for progressing through the academic programs in the university over two semesters. It targets students with little or no knowledge or skills in using the computer. It introduces students to the rudiments of computer hardware and operating systems, and Microsoft applications. In the Basic course students develop skills in using Microsoft Word, Excel and PowerPoint. The Advanced course continues with the development of skills in using Microsoft Access, and Movie maker.

ENG 101 - Communication Arts 1  
3 credits
The course deals with the idea of communication. It goes into the analysis of the communication process and examination of the problems involved in the effective use of the basic communication skills. It provides the opportunity for the students to understand the relationship of language and maladjustment, the dynamics of language, the levels of usage, the grammatical and conventional meanings and values of works. It also provides them venue for phrasal investigation and designing compositions as they choose subjects, limit their materials, examine forms of discourse such as argumentation, description, and persuasion, and as they use writing aids such as the dictionary and the thesaurus, and as they learn to make use of the materials in the library for note taking and outlining.

**ENG 102 – Communication Arts 2**
*Pre-requisite: ENG 101*

The course deals with the oral and written composition. It exposes the students to the different methods of paragraph development. It provides the opportunity for the students to learn the process of definition, the types of meaning, and the methods of presentation. It drills the on how to start, support, and construct the sentence, to develop the paragraph, and to compose the whole discourse. It covers process explanation and presentation of explanation. It also includes discussion and analysis of grammatical convention, forms, mechanics and usage, sentence fragment, penmanship, verb-subject agreement, tense, paragraphing, punctuation and capitalization.

**ENG 103 - Technical Writing III IIIII**
*Prerequisite: ENG 101, ENG 102*

The course deals with the rudiments, nature and types of reporting. It includes critical analysis and evaluation of data and report. It examines the specific method, the essentials of scientific style, and techniques of exposition. It gives the opportunity for the student to learn the use of diagrams, photographs, graphs and sketches, technical drawings, and pictorial drawings. The students are exposed to the forms of reporting and learn to distinguish when to use flow diagram, and electrical diagrams. It also includes study of selecting subjects, sourcing and organizing materials, and the different parts of research paper. The course concludes with the students’ presentation of their written research paper.

**ENG 104 - Phonetics and Public Speaking**
*3 credits*

This course is designed to expose learners to English phonology and phonetics. It aims to train learners to articulate sounds by exposing students to the International Phonetic Alphabet. It also provides learners knowledge of the nature and process of communication. It acquaints them with the basic principles of effective communication. The course intends to expose learners to intensive practice in public speaking, logical reasoning, critical thinking, and intends to reinforce learners’ socialization, reporting, and presentation skills. It also aims to provide the opportunity for students to master their communication skills and be competent in rendering quality customer service in any industry to which they opt to belong.
**EVNS 201 - Environmental Science**  
*Pre-requisite: CHEM 101 or BIO 101*  

This is an introductory course that provides overview of our world and creates environmental awareness of population, resources and environmental degradation. Topics of environmental health with sources, routes, media, and health outcomes associated with biological, chemical and physical agents in the environment to be considered. Effects of agents on disease, water quality, air quality, food safety, and land resources. Current legal frameworks, polices associated with environmental issues will also be considered. This course will further enhance students’ responsibility as agents of change.

**LANG 101 - Glebo I**  
*Pre-requisite: none*  

The Glebo Language course is a two semester course for sophomore students. The Glebo referred to in this course is the intonation of the language widely spoken by the coastal ethnic Kwa group who inhabit the Harper District of Maryland County, from the Dicor River bordering Grand Kru to the Cavalla River LA Cote d’Ivoire. It is intended to provide for the development of those skills, interests, habits and values which will build the capacity and competence of learner to be able to communicate orally and write effectively in the Glebo Language.

**LANG 102 - Glebo 2**  
*Pre-requisite: GLEBO 101*  

Glebo 102 is the second semester course of the study of the Glebo Language and culture for sophomore students. The spoken and written forms of the Glebo studied in this course will further the working understanding of the traditions and the culture and how they are applied in everyday life of the Glebo as a social and political factor of Liberian heritage.

**LANG 103 - Introductory French**  
*Course Description: 100 level 1st semester*  

This course introduces learners to the French language. It aims to encourage students to learn French, especially those without prior experience with the language. The course pedagogy gives special attention to interaction, reading and writing processes as well as grammar rules.

**LANG 104 - Intermediate French**  
*Pre-requisite: French 101*  

**Course Description 100 level 2nd semester**  

Intermediate French continues to develop students’ knowledge of and skills in using the key grammatical structures, vocabulary and expressions in the French language. It emphasizes reading and listening comprehension, writing and fluency in oral communication.
**HIST 101 - Liberian History**  
3 credits  
Pre-requisite: none

This course is designed to give first year students an in-depth look at the major themes and events in Liberian history and historiography. We will be examining the time period from the early population migration during the 15th century through the colonial and independence eras until the end of the cold War and the beginning of the Civil War in 1990. The course focuses on inter-sectorial cooperation, conflict resolution within the written record over time as well as Liberia’s place within regional and world history.

**HIST 102 - World History**  
3 credits  
Pre-requisite: none

This course gives first year students an in-depth look at the major themes and events in World History and Historiography. The time period studied spans from the Old Stone Age hunter–gatherer societies to the year 2000 CE. The course focuses on the origins and development of western civilizations in the “Old World” and the “new World”, African Civilizations, Classical China and India. In this board survey course special consideration is given to the last three thousand year of human history.

**MATH 101 - Algebra**  
3 credits  
Pre-requisite: none

The course is designed to help students develop the skills and attitudes necessary for higher level mathematics courses, as well as to satisfy the general education requirement. It aims to enable students to appreciate the logical structure of mathematics and to stimulate critical and analytical thinking.

**MATH 102 - Geometry with Trigonometry**  
3 credits  
Pre-Requisite: Math 101

This course focuses on the shape, size and relative positions and properties of space. It introduces students to Euclidean and Cartesian models through the study of plane and solid geometry, symmetry and transformations, and coordinates.

**MATH 103 - Probability and Statistics**  
3 credits  
Pre-requisite: Math 102

The course explores the basic concepts in logic and statistical reasoning. Its focus is to help students develop skills in generating, and interpreting descriptive methods. It examines distributions and relationships in data and introduces basic principles in probability and inferential statistics.

**PED 101/ PED 102 - Physical Fitness**  
2 credits

This course deals with the mental, social, physical and moral development through desirable attitudes to health and wellness. It also focuses on physical fitness and self-
testing activities through developing knowledge and understanding, activity skills and desirable attitudes that will eventually contribute to well-being. It is a 2-semester course.

**PHYS 101 - General Physics**

Pre-requisite: none

This course introduces basic concepts in Physics. Key topics for this module include units and measurement, scalars and vector quantities, Motion and test of Motion, equation of linear Motion and applications, Motion under gravity, projectiles and applications, circular Motion and Simple Harmonic Motion (S.H.M), Hooks Law, Electricity and Magnetism, and optics.

**PSY 101 - General Psychology**

Pre-requisite: none

This course addresses the questions: ‘why do people behave the way they do?’, and “How can people change their behaviors?” It introduces students to the theories that inform an understanding of human behavior, exposing them to the different approaches within the discipline. Students are also helped to develop critical thinking, critical reading, and writing and discussion skills.

**PSY 102 - Developmental Psychology**

Pre-requisite: Psych 101

The course takes students through the changes that occur in Human beings over the course of their lifespan. It looks at the characteristics of the normal physical, cognitive, social, emotional and cultural development of individuals in infancy and childhood, adolescence, adulthood, and in aging. Students will learn how theory and research contribute to the understanding of development and their limitations.