



# General Education & Social Sciences

## General Education Statement

General Education is the foundation for lifelong learning. Although H. Council Trenholm State Community College's General Education courses do not comprise a program, General Education supports all of Trenholm's technical programs by providing students with the critical values and range of knowledge and skills in the arts and sciences. Trenholm State graduates will demonstrate competency in reading, basic mathematics, writing, oral communication, and basic computer usage. Students also discover certain basic principles, concepts, and methodologies both unique to and shared by the various disciplines. In addition, students learn the modes of inquiry of the major disciplines, and General Education leads them through learning activities in the experience and appreciation of the creative arts, in understanding multicultural and diverse perspectives, and in achieving insights gained through experiences involving ethical and social issues. Through these learning experiences, students develop self-understanding and become life-long learners.

General Education competencies expected and measured by the College include the following:

### Computer Literacy Skills

Students will apply technology to communicate with others, perform online research, and prepare business and technology information resources.

### Computational Skills

Students will accurately solve applied mathematical problems involving technical, scientific, and/or business-related concepts, and students will develop an increased appreciation for mathematics as a tool for solving real-world problems.

### Oral Communication Skills

Students will demonstrate the ability to transmit ideas clearly and information orally in a way that is appropriate to the topic, purpose, and audience.

### Written Communication Skills

Students will create documents that are unified, coherent, well-supported, and error-free.

## Transitional Studies

Transitional Studies courses are offered to meet three types of needs. First, they prepare individuals for admission to occupational/technical programs. Second, they assist students who have begun course work but are now experiencing difficulties or would like to improve efficiency. Finally, transitional studies courses provide an opportunity for individuals who are interested in improving their skills in particular areas but are not necessarily enrolled in a program. Students can enroll in courses to meet these three needs both during the regular school year and during the summer term.

Transitional Studies is the first step toward a successful college experience for many students. The goal of the Transitional Studies program is for students to become independent and successful learners so they will meet their personal, educational, and professional goals. Transitional Studies consists of courses designed to improve academic skills, such as critical thinking, and essentials such as reading, writing, and mathematics. These courses also aim to help students achieve the following:

- develop academic survival skills;
- set personal, educational, and career goals;
- use technology in academic and workplace settings; and
- learn the academic culture of the college.

## Awards Available

Associate of Arts in Liberal Arts (A.A.)  
Associate of Science in General Education (A.S.)

## Program Contact

Joe Edwards  
Division Director/Instructor  
334-420-4382  
Location: Patterson Campus - Bldg. B

As part of ongoing planning and evaluation, the College regularly evaluates student learning outcomes for each program.

## Estimated Program Length & Cost \*

<u>Award</u>	<u>Length</u>	<u>Credit Hours</u>	<u>Tuition Fees</u>	<u>Books</u>	<u>Tools</u>	<u>Supplies</u>
Associate Degree	6 Terms	63	\$9,009	\$1750	0	\$250

\* Tax not included. Prices are subject to change without prior notice; cost of books may vary considerably among suppliers. The length of the program is based on full-time status of 12-15 credit hours per term. Enrollment in transitional level general education courses will alter the length of the program.

## Degree Requirements

Students in the Associate of Arts in Liberal Arts degree program usually transfer to a four-year institution in such fields as Art, Elementary or Secondary Education, Health, Physical Education and Recreation, Music, or Theater.

Students in the Associate of Science in General Education degree program usually transfer to a four-year institution in the Natural Sciences, the Professional Sciences, Mathematics, Computer Science, Business Administration, or Nursing fields.

As part of a transfer degree, students will take freshman- and sophomore-level general education courses in a wide range of disciplines.

All students enrolled at the institution are required to complete a specific number of semester hours in English Composition (Area I), Humanities and Fine Arts (Area II), Natural Sciences and Mathematics (Area III), and History, Social, and Behavioral Sciences (Area IV). These courses are referred to as CORE courses.

In addition to CORE courses, students will choose Electives (Area V), which will more specifically prepare them for transfer in their particular field of interest.

Area I: Written Communication (6 hours)

- Written Composition I and Written Composition II

Area II: Humanities and Fine Arts (\*12 credit hours)

- Must complete at least three semester hours in Literature.
- Must complete at least three semester hours in Arts.
- The student must complete a six-hour sequence in Literature or History

Area III: Natural Science & Mathematics (11 credit hours)

- Must complete three semester hours in Mathematics at the Pre-Calculus Algebra (MTH-112) or Finite Math (MTH-110) level or above. (Prerequisites and/or developmental courses may be required for some students before enrolling in these courses).
- Must complete eight semester hours in the Natural Sciences, which must include laboratory experiences:

Area IV: History, Social, and Behavioral Sciences  
(\*12 credit hours)

- Must complete at least three semester hours in History.
- The student must complete a six-hour sequence in Literature or History.
- Remaining semester hours to be selected from among other disciplines in the Social and Behavioral Sciences.

Areas I-IV: Minimum general education requirements  
(41 credit hours)

- The Alabama Articulation and General Studies Committee (AGSC) approved CORE courses, including courses not offered by Trenholm State, transferred from another college will meet requirements for Areas I-IV.

Area V: Pre - Professional, Pre-Major, and Elective Courses ( \*\*19-23 credit hours)

- For additional courses, students must consult with their advisors to obtain Articulation Degree Plans for their specific areas of concentration. The Articulation Degree Plan will list specific course requirements for transfer. However, since acceptance of transfer credits is ultimately determined by the senior institution, a student planning to transfer must consult with his/her advisor as well as the catalog of the institution to which he/she plans to transfer to ensure transfer credit.

Additional degree requirements:

- ORI 101 (one credit hour) is required of all new students to Trenholm State.

Areas I-V: General studies curricula (60 credit hours)\*\*\*  
Maximum program semester credit hours (64)  
Semester credit-hour range by award (64) \*\*\*

\* Students must complete a six-hour sequence in Literature or History

\*\* See the Articulation Degree Plan for specific course requirements for Areas II, III, and IV.

\*\*\* Respective programs of study for baccalaureate degrees at Alabama public universities range from 120 to 128 semester credit hours in length. Depending on the total hours allocated for the bachelor's degrees, institutions in the Alabama Community College System are authorized to provide 50 percent of the total (60-64).

### Associate of Arts in Liberal Arts Degree

#### Required CORE Courses (42 credit hours)

Course	Title	Hrs
CIS-146	Microcomputer Applications	3
BIO-103	Principles of Biology I or PHS 111 Physical Science I	4
BIO-104	Principles of Biology II or PHS 112 Physical Science II	4
ENG-101	English Composition I	3
ENG-102	English Composition II	3
ENG-251	American Literature I or ENG-261 English Literature I	3
ENG-252	American Literature II or ENG-262 English Literature II	3
HIS-101	Western Civilization I or HIS 102 Western Civilization II or HIS 201 United States History I or HIS 202 United States History II	3
MTH-116	Mathematical Applications or MTH-112 Pre-Calculus Algebra	3
MUS-101	Music Appreciation or ART-100 Art Appreciation	3
ORI-101	Orientation to College	1
PSY-200	General Psychology or PSY-210 Human Growth and Dev.	3
POL-200	Introduction to Political Science or POL-211 American National Gov.	3
SPH-106	Fundamentals of Oral Comm or SPH-107 Fund of Public Speaking	3
<b>Electives:</b>	Pre - Professional, pre-major and elective courses	21

**Total Hours: 63 Credit Hours; 1,600 Contact Hours**

Note: Must complete at least three semester hours in Arts; must complete at least three semester hours in Literature; must complete a six-hour sequence in Literature or History.

Students in the Associate of Arts in Liberal Arts degree program usually transfer to a four-year institution in such fields as Art, Elementary or Secondary Education, Health, Physical Education and Recreation, Music, or Theater.

### Associate of Science in General Education Degree

#### Required Core Courses (42 credit hours)

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CIS-146	Microcomputer Applications	3
BIO-103	Principles of Biology I or PHS 111 Physical Science I	4
BIO-104	Principles of Biology II or PHS 112 Physical Science II	4
ENG-101	English Composition I	3
ENG-102	English Composition II	3
ENG-251	American Literature I or ENG-261 English Literature I	3
ENG-252	American Literature II or ENG-262 English Literature II	3
HIS-101	Western Civilization I or HIS 102 Western Civilization II or HIS 201 United States History I or HIS 202 United States History II	3
MTH-116	Mathematical Applications or MTH-112 Pre-Calculus Algebra	3
MUS-101	Music Appreciation or ART-100 Art Appreciation	3
ORI-101	Orientation to College	1
PSY-200	General Psychology or PSY-210 Human Growth and Dev.	3
POL-200	Introduction to Political Science or POL-211 American National Gov.	3
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## Course Descriptions for General Education & Social Sciences

Course #	Course Title	Theory Contact Hours/Wk	Lab Contact Hours/Wk	Credit Hours
<b>ART-100</b>	<b>ART APPRECIATION</b> PREREQUISITE: None This course is designed to help the student find personal meaning in works of art and develop a better understanding of the nature and validity of art. Emphasis is on the diversity of form and content in original art work. Upon completion, students should understand the fundamentals of art, the materials used and have a basic overview of the history of art.	3	0	3
<b>BIO-101</b>	<b>INTRODUCTION TO BIOLOGY I</b> PREREQUISITE: As required by program. Introduction to Biology I is the first of a two-course sequence designed for non-science majors. It covers historical studies illustrating the scientific method, cellular structure, bioenergetics, cell reproduction, Mendelian and molecular genetics, and a survey of human organ systems. A 120 minute laboratory is required.	3	1	4
<b>BIO-102</b>	<b>INTRODUCTION TO BIOLOGY II</b> PREREQUISITE: BIO-101 Introduction to Biology II is the second of a two-course sequence for non-science majors. It covers evolutionary principles and relationships, environmental and ecological topics, classification, and a survey of biodiversity. A 120 minute laboratory is required.	3	1	4
<b>BIO-103</b>	<b>PRINCIPLES OF BIOLOGY I</b> PREREQUISITE: Satisfactory completion of RDG-083 or satisfactory placement score. This is an introductory course for science and non-science majors. It covers physical, chemical, and biological principles common to all organisms. These principles are explained through a study of cell structure and function, cellular reproduction, basic biochemistry, cell energetics, the process of photosynthesis, and Mendelian and molecular genetics. Also included are the scientific method, basic principles of evolution, and an overview of the diversity of life with emphasis on viruses, prokaryotes, and protist. A 120-minute laboratory is required. This course will be offered at least one term per year.	3	2	4
<b>BIO-104</b>	<b>PRINCIPLES OF BIOLOGY II</b> PREREQUISITE: BIO-103 This course is an introduction to the basic ecological and evolutionary relationships of plants and animals and a survey of plant and animal diversity including classification, morphology, physiology, and reproduction. A 180 minute laboratory is required.	3	2	4
<b>BIO-111</b>	<b>SURVEY OF HUMAN BIOLOGY</b> PREREQUISITE: None This course for the non-science major covers an overview of the human body functions with an emphasis on major organ systems. Laboratory is required. This course will be offered at least one term per year.	3	2	4
<b>BIO-112</b>	<b>HUMAN REPRODUCTION &amp; INHERITANCE</b> PREREQUISITE: None Human Reproduction and Inheritance is an introductory genetics course with primary emphasis on human inheritance, reproduction, venereal diseases, birth control, and teratology. No laboratory is required. This course will be offered at least one term per year.	3	0	3
<b>BIO-120</b>	<b>MEDICAL TERMINOLOGY</b> PREREQUISITE: None This course is a survey of words, terms, and descriptions commonly used in medical arts. Emphasis is placed on spelling, pronunciation, and meanings of prefixes, suffixes, and roots. No laboratory is required.	3	0	3
<b>BIO-140</b>	<b>HUMAN ANATOMY FOR DENTAL ASSISTING</b> PREREQUISITE: As required by program. Human Anatomy for Dental Assisting covers the basic structure and function of human organ systems with primary emphasis on selected structures of the head and neck. Embryological, gross anatomical, and histological correlations illustrating dental health and oral pathology are emphasized. Laboratory is required.	3	1	3
<b>BIO-141</b>	<b>MICROBIOLOGY FOR DENTAL ASSISTING</b> PREREQUISITE: BIO-140 Microbiology, Pathology, and Pharmacology for Dental Assisting covers morphology, cultivation, transmission, and control of microbial pathogens. Pathology of the head, neck, and oral cavity and related therapeutic treatments are emphasized. Laboratory is required.	3	1	4

<b>Course #</b>	<b>Course Title</b>	<b>Theory Contact Hours/Wk</b>	<b>Lab Contact Hours/Wk</b>	<b>Credit Hours</b>
<b>BIO-201</b>	<b>HUMAN ANATOMY AND PHYSIOLOGY I</b> PREREQUISITE: BIO-103 Human Anatomy and Physiology I covers the structure and function of the human body. Included is an orientation of the human body, basic principles of chemistry, a study of cells and tissues, metabolism, joints, the integumentary, skeletal, muscular, and nervous systems, and the senses. Dissection, histological studies, and physiology are featured in the laboratory experience. A 120 minute laboratory is required. This course will be offered at least one term per year.	3	2	4
<b>BIO-202</b>	<b>HUMAN ANATOMY AND PHYSIOLOGY II</b> PREREQUISITE: BIO-103 and BIO-201 Human Anatomy and Physiology II covers the structure and function of the human body. Included is a study of basic nutrition, basic principles of water, electrolyte, and acid-base balance, the endocrine, respiratory, digestive, excretory, cardiovascular, lymphatic, and reproductive systems. Dissection, histological studies, and physiology are featured in the laboratory experience. A 120 minute laboratory is required. This course will be offered at least one term per year.	3	2	4
<b>BIO-206</b>	<b>HUMAN ANATOMY</b> PREREQUISITE: BIO-103 This course covers the basic structure and function of the human body. Emphasis is placed on the structure of the organ systems, cells, and tissues. Mammalian dissection and histological studies are featured in the required laboratory.	3	1	4
<b>BIO-207</b>	<b>HUMAN PHYSIOLOGY</b> PREREQUISITE: BIO-103 and BIO-206 This course covers the functions of the organ systems, cells, and tissues. Also included is a survey of cellular energetics, the major metabolic pathways, digestion, and fluid and electrolyte balance. Laboratory is required.	3	1	4
<b>BIO-211</b>	<b>HUMAN ANATOMY AND PHYSIOLOGY FOR HEALTH OCCUPATIONS I</b> PREREQUISITE: Satisfactory completion of RDG-083 or satisfactory placement score. This course is the first in a two-course sequence that covers the basic structure and function of the human body. Tissues and the following organ systems are covered: integumentary, skeletal, muscular, nervous, sensory, endocrine, circulatory, digestive, respiratory, excretory, and reproductive. Upon completion, students should be able to demonstrate a basic understanding of the fundamental principles of human anatomy and physiology and their interrelationships. Laboratory is required. This course will be offered each term.	3	2	4
<b>BIO-212</b>	<b>HUMAN ANATOMY AND PHYSIOLOGY FOR HEALTH OCCUPATIONS II</b> PREREQUISITE: BIO-211 This course is the second in a two-course sequence which provides a comprehensive study of the structure and function of the human body. Tissues and the following organ systems are covered: integumentary, skeletal, muscular, nervous, sensory, endocrine, circulatory, digestive, respiratory, excretory, and reproductive. Upon completion, students should be able to demonstrate an in-depth understanding of human anatomy and physiology principles and their interrelationships. Laboratory is required. BIO 103 or BIO 212 will satisfy the pre-requisite requirement for BIO 220, General Microbiology. This course will be offered each term.	3	2	4
<b>BIO-220</b>	<b>GENERAL MICROBIOLOGY</b> PREREQUISITE: BIO-103 (RECOMMENDED: 4 Semester Hours of Chemistry) This course includes historical perspectives, cell structure and function, microbial genetics, infectious diseases, immunology, distribution, physiology, culture, identification, classification, and disease control of microorganisms. The laboratory experience includes micro-techniques, distribution, culture, identification, and control. Two 120 minute laboratories are required.	2	2	4
<b>CHM-104</b>	<b>INTRODUCTION TO INORGANIC CHEMISTRY I</b> PREREQUISITE: MTH-092 (Developmental Algebra II) or equivalent math placement score. This is a survey course of general chemistry for students who do not intend to major in science or engineering and may not be substituted for CHM 111. Lecture will emphasize the facts, principles, and theories of general chemistry including math operations, matter and energy, atomic structure, symbols and formulas, nomenclature, the periodic table, bonding concepts, equations, reactions, stoichiometry, gas laws, phases of matter, solutions, pH, and equilibrium reactions. Laboratory is required.	3	1	4
<b>CHM-105</b>	<b>INTRODUCTION TO INORGANIC CHEMISTRY II</b> PREREQUISITE: CHM-104 (Introduction to Inorganic Chemistry) or CHM-111 (College Chemistry I) This is a survey course of organic chemistry and biochemistry for students who do not intend to major in science or engineering. Topics will include basic nomenclature, classification of organic compounds, typical organic reactions, reactions involved in life processes, function of biomolecules, and the handling and disposal of organic compounds. Laboratory is required.	3	1	4

<b>Course #</b>	<b>Course Title</b>	<b>Theory Contact Hours/Wk</b>	<b>Lab Contact Hours/Wk</b>	<b>Credit Hours</b>
<b>CHM-111</b>	<b>COLLEGE CHEMISTRY I</b> PREREQUISITE or CO-REQUISITE: MTH-112 (Precalculus Algebra) or equivalent math placement score. This is the first course in a two-semester sequence designed for the science or engineering major who is expected to have a strong background in mathematics. Topics in this course include measurement, nomenclature, stoichiometry, atomic structure, equations and reactions, basic concepts of thermochemistry, chemical and physical properties, bonding, molecular structure, gas laws, kinetic-molecular theory, condensed matter, solutions, colloids, and some descriptive chemistry topics. Laboratory is required.	<b>3</b>	<b>1</b>	<b>4</b>
<b>CHM-112</b>	<b>COLLEGE CHEMISTRY</b> PREREQUISITE: CHM-111 (College Chemistry I) and MTH-112 (Precalculus Algebra) This is the second course in a two-semester sequence designed primarily for the science and engineering student who is expected to have a strong background in mathematics. Topics in this course include chemical kinetics, chemical equilibria, acids and bases, ionic equilibria of weak electrolytes, solubility product principle, chemical thermodynamics, electrochemistry, oxidation-reduction, nuclear chemistry, an introduction to organic chemistry and biochemistry, atmospheric chemistry, and selected topics in descriptive chemistry including the metals, nonmetals, semi-metals, coordination compounds, transition compounds, and post-transition compounds. Laboratory is required.	<b>3</b>	<b>1</b>	<b>4</b>
<b>CHM-221</b>	<b>ORGANIC CHEMISTRY I</b> PREREQUISITE: CHM-112 (College Chemistry II) This is the first course in a two-semester sequence. Topics in this course include nomenclature, structure, physical and chemical properties, synthesis, and typical reactions for aliphatic, alicyclic, and aromatic compounds with special emphasis on reaction mechanisms, spectroscopy, and stereochemistry. Laboratory is required and will include the synthesis and confirmation of representative organic compounds with emphasis on basic techniques.	<b>3</b>	<b>1</b>	<b>4</b>
<b>CHM-222</b>	<b>ORGANIC CHEMISTRY II</b> PREREQUISITE: CHM-221 (Organic Chemistry I) This is the second course in a two-semester sequence. Topics in this course include nomenclature, structure, physical and chemical properties, synthesis, and typical reactions for aliphatic, alicyclic, aromatic, and biological compounds, polymers and their derivatives, with special emphasis on reaction mechanisms, spectroscopy, and stereochemistry. Laboratory is required and will include the synthesis and confirmation of representative organic compounds with emphasis on basic techniques.	<b>3</b>	<b>1</b>	<b>4</b>
<b>CIS-103</b>	<b>INTRODUCTORY COMPUTER SKILLS II</b> PREREQUISITE: None This course is for students without a high school diploma or GED. This course is not creditable toward associate degree requirements. This course is designed to focus on the development of computer skills suited to the needs of students in non-degree occupational programs. The course will generally use software packages appropriate to occupational programs and may include such topics as word processing, database, basic graphics, spreadsheets or other features typically needed in the field. Upon completion, the student will be able to demonstrate proficiency by the completion of appropriate assignments and occupation-specific applications. This course is offered each term.	<b>3</b>	<b>0</b>	<b>3</b>
<b>CIS-146</b>	<b>MICROCOMPUTER APPLICATONS</b> PREREQUISITE: None This course is an introduction to the most common microcomputer software applications. These software packages should include typical features of applications, such as word processing, spreadsheets, database management, and presentation software. Upon completion, students will be able to utilize selected features of these packages. This course will help prepare students for the MOS and IC3 certification. This course or an equivalent is a CORE course for the AAT CIS program.	<b>3</b>	<b>0</b>	<b>3</b>
<b>CIS-149</b>	<b>INTRODUCTION TO COMPUTER</b> PREREQUISITE: None This course is an introduction to computers that reviews computer hardware and software concepts such as equipment, operations, communications, programming and their past, present and future impact on society. Topics include computer hardware, various types of computer software, communication technologies and program development using computers to execute software packages and/or to write simple programs. Upon completion, students should be to describe and use the major components of selected computer software and hardware.	<b>3</b>	<b>0</b>	<b>3</b>
<b>ENG-092</b>	<b>BASIC ENGLISH I</b> PREREQUISITE: None This course is a review of basic writing skills and basic grammar. Emphasis is placed on the composing process of sentences and paragraphs in standard American written English. Students will demonstrate these skills chiefly through the writing of well-developed, multi-sentence paragraphs. This course is NOT creditable toward degree or certificate requirements or grade point average. This course will be offered each term.	<b>3</b>	<b>0</b>	<b>3</b>

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<b>ENG-093</b>	<b>BASIC ENGLISH II</b> PREREQUISITE: Successful completion of ENG-092 or satisfactory placement score. This course is a review of composition skills and grammar. Emphasis is placed on coherence and the use of a variety of sentence structures in the composing process and on standard American written English usage. Students will demonstrate these skills chiefly through the writing of paragraph blocks and short essays. This course is NOT creditable toward degree, diploma, or certificate requirements or grade point average. This course will be offered each term.	<b>3</b>	<b>0</b>	<b>3</b>
<b>ENG-100</b>	<b>VOCATIONAL TECHNICAL ENGLISH I</b> PREREQUISITE: Successful completion of ENG-092 or satisfactory placement score. This course is designed to enhance reading and writing skills for the workplace. Emphasis is placed on technical reading, job-related vocabulary, sentence writing, punctuation, and spelling with substantial focus on occupational performance requirements. Upon completion, students should be able to identify main ideas with supporting details and produce mechanically correct short writings appropriate to the workplace. This course is NOT creditable toward associate degree requirements. This course will be offered every fall term.	<b>3</b>	<b>0</b>	<b>3</b>
<b>ENG-101</b>	<b>ENGLISH COMPOSITION I</b> PREREQUISITE: Satisfactory placement scores or successful completion of RDG-083 and the successful completion of either ENG-093 or ENG-100. Successful completion of ENG-093; or a score of 42 or better on the English section of ASSET; or a score of 20 or better on the ACT (or equivalent SAT score). English Composition I provides instruction and practice in the writing of at least six (6) extended compositions and the development of analytical and critical reading skills and basic reference and documentation skills in the composition process. English Composition I may include instruction and practice in library usage. This course will be offered each term.	<b>3</b>	<b>0</b>	<b>3</b>
<b>ENG-102</b>	<b>ENGLISH COMPOSITION II</b> PREREQUISITE: A grade of "C" or better in ENG-101 or equivalent. English Composition II provides instruction and practice in the writing of six (6) formal, analytical essays, at least one of which is a research project using outside sources and/or references effectively and legally. Additionally, English Composition II provides instruction in the development of analytical and critical reading skills in the composition process. English Composition II may include instruction and practice in library usage. This course will be offered each term.	<b>3</b>	<b>0</b>	<b>3</b>
<b>ENG-130</b>	<b>TECHNICAL REPORT WRITING</b> PREREQUISITE: ENG-101 This course provides instruction in the production of technical and/or scientific reports. Emphasis is placed on research, objectivity, organization, composition, documentation, and presentation of the report. Students will demonstrate the ability to produce a written technical or scientific report by following the prescribed process and format. This course will be offered each term.	<b>3</b>	<b>0</b>	<b>3</b>
<b>ENG-251</b>	<b>AMERICAN LITERATURE I</b> PREREQUISITE: ENG-102 or equivalent. This course is a survey of American literature from its inception to the middle of the nineteenth century. Emphasis is placed on representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research.	<b>3</b>	<b>0</b>	<b>3</b>
<b>ENG-252</b>	<b>AMERICAN LITERATURE II</b> PREREQUISITE: ENG-102 or equivalent. This course is a survey of American literature from the middle of the nineteenth century to the present. Emphasis is placed on representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research.	<b>3</b>	<b>0</b>	<b>3</b>
<b>ENG-261</b>	<b>ENGLISH LITERATURE I</b> PREREQUISITE: ENG-102 or equivalent. This course is a survey of English literature from its the Anglo-Saxon period to the Romantic Age. Emphasis is placed on representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research.	<b>3</b>	<b>0</b>	<b>3</b>

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<b>ENG-262</b>	<b>ENGLISH LITERATURE II</b> PREREQUISITE: ENG-102 or equivalent. This course is a survey of English literature from the Romantic Age to the present. Emphasis is placed on representative works and writers of this period and on the literary, cultural, historical, and philosophical forces that shaped these works and that are reflected in them. Upon completion and in written compositions, students will be able to interpret the aesthetic and thematic aspects of these works, relate the works to their historical and literary contexts, and understand relevant criticism and research.	<b>3</b>	<b>0</b>	<b>3</b>
<b>HIS-101</b>	<b>WESTERN CIVILIZATION I</b> PREREQUISITE: As required by program. This course is a survey of social, intellectual, economic, and political developments, which have molded the modern western world. This course covers the ancient and medieval periods and concludes in the era of the Renaissance and Reformation.	<b>3</b>	<b>0</b>	<b>3</b>
<b>HIS-102</b>	<b>WESTERN CIVILIZATION II</b> PREREQUISITE: As required by program. This course is a continuation of HIS-101; it surveys development of the modern western world from the era of the Renaissance and Reformation to the present.	<b>3</b>	<b>0</b>	<b>3</b>
<b>HIS-121</b>	<b>WORLD HISTORY I</b> PREREQUISITE: As required by program. This course surveys social, intellectual, economic, and political developments which have molded the modern world. Focus is on both non-western and western civilizations from the prehistoric to the early modern era.	<b>3</b>	<b>0</b>	<b>3</b>
<b>HIS-122</b>	<b>WORLD HISTORY II</b> PREREQUISITE: As required by program. This course is a continuation of HIS-121; it covers world history, both western and non-western, from the early modern era to the present.	<b>3</b>	<b>0</b>	<b>3</b>
<b>HIS-201</b>	<b>UNITED STATES HISTORY I</b> PREREQUISITE: As required by program. This course surveys United States history during colonial, Revolutionary, early national and antebellum periods. It concludes with the Civil War and Reconstruction.	<b>3</b>	<b>0</b>	<b>3</b>
<b>HIS-202</b>	<b>UNITED STATES HISTORY II</b> PREREQUISITE: As required by program. This course is a continuation of HIS-201; it surveys United States history from the Reconstruction era to the present.	<b>3</b>	<b>0</b>	<b>3</b>
<b>MTH-090</b>	<b>BASIC MATHEMATICS</b> PREREQUISITE: None This is a transitional course reviewing arithmetical principles and computations designed to help the student's mathematical proficiency for selected curriculum entrance. This course is NOT creditable toward degree or certificate requirements or grade point average. This course will be offered each term.	<b>3</b>	<b>0</b>	<b>3</b>
<b>MTH-098</b>	<b>ELEMENTARY ALGEBRA I</b> PREREQUISITE: Successful completion of MTH-090 or satisfactory placement score. This course is a review of the fundamental arithmetic and algebra operations. The topics include the numbers of ordinary arithmetic and their properties; integers and rational numbers; the solving of equations; polynomials and factoring; and an introduction to systems of equations and graphs. This course is NOT creditable toward degree or certificate requirements or grade point average. This course will not be offered each term.	<b>3</b>	<b>0</b>	<b>3</b>
<b>MAH-101</b>	<b>INTRODUCTORY MATHEMATICS I</b> PREREQUISITE: Successful completion of MTH-090 or satisfactory placement score. This course is for students without a high school diploma or GED. This course is NOT creditable toward associate degree requirements. This course is a comprehensive review of arithmetic with basic algebra designed to meet the needs of certificate and diploma programs. Topics include business and industry related arithmetic and geometric skills used in measurement, ratio and proportion, exponents and roots, applications of percent, linear equations, formulas, and statistics. Upon completion, students should be able to solve practical problems in their specific occupational areas of study. This course will be offered each term.	<b>3</b>	<b>0</b>	<b>3</b>
<b>MTH-103</b>	<b>INTRO TO TECHNICAL MATHEMATICS</b> PREREQUISITE: Successful completion of MTH-098 or satisfactory placement score. This course is designed for the student in technology needing simple arithmetic, algebraic, and right triangle trigonometric skills. This course will be offered each term.	<b>3</b>	<b>0</b>	<b>3</b>



<b>Course #</b>	<b>Course Title</b>	<b>Theory Contact Hours/Wk</b>	<b>Lab Contact Hours/Wk</b>	<b>Credit Hours</b>
<b>MTH-104</b>	<b>PLANE TRIGONOMETRY</b> PREREQUISITE: MTH-103 or MTH-100 This course emphasizes such topics as the solution of triangles, vectors, geometric concepts and complex numbers. This course will be offered two terms each year.	<b>3</b>	<b>0</b>	<b>3</b>
<b>MTH-100</b>	<b>INTERMEDIATE ALGEBRA</b> PREREQUISITE: Successful completion of MTH-098 or satisfactory placement score. This course provides a study of algebraic techniques such as linear equations and inequalities, quadratic equations, systems of equations, and operations with exponents and radicals. Functions and relations are introduced and graphed with special emphasis on linear and quadratic functions. This course does not apply toward the general core requirement for mathematics. This course will be offered each term.	<b>3</b>	<b>0</b>	<b>3</b>
<b>MTH-110</b>	<b>FINITE MATHEMATICS</b> PREREQUISITE: MTH-100 This course is intended to give an overview of topics in finite mathematics together with their applications, and is taken primarily by students who are not majoring in science, engineering, commerce, or mathematics (i.e., students who are not required to take Calculus). This course will draw on and significantly enhance the student's arithmetic and algebraic skills. The course includes sets, counting, permutations, combinations, basic probability (including Baye's Theorem), and introduction to statistics (including work with the Binomial Distributions and Normal Distributions), matrices and their applications to Markov chains and decision theory. Additional topics may include symbolic logic, linear models, linear programming, the simplex method and applications. This course will be offered each term.	<b>3</b>	<b>0</b>	<b>3</b>
<b>MTH-112</b>	<b>PRECALCULUS ALGEBRA</b> PREREQUISITE: All core mathematics courses in Alabama must have as a minimum prerequisite high school Algebra I, Geometry, and Algebra II with an appropriate mathematics placement score. An alternative to this is that the student should successfully pass with C or higher (S if taken as pass/fail) Intermediate College Algebra. This course emphasizes the algebra of functions - including polynomial, rational, exponential, and logarithmic functions. The course also covers systems of equations and inequalities, quadratic inequalities, and the binomial theorem. Additional topics may include matrices, Cramer's Rule, and mathematical induction.	<b>3</b>	<b>0</b>	<b>3</b>
<b>MTH-116</b>	<b>MATHEMATICAL APPLICATIONS</b> PREREQUISITE: MTH-090 or appropriate mathematics placement score. This course provides practical applications of mathematics and includes selected topics from consumer math and algebra. Some topics included are integers, percent, interest, ratio and proportion, metric system, probability, linear equations and problem solving.	<b>3</b>	<b>0</b>	<b>3</b>
<b>MUS-101</b>	<b>MUSIC APPRECIATION</b> PREREQUISITE: As required by program. This course is designed for non-music majors and requires no previous musical experience. It is a survey course that incorporates several modes of instruction including lecture, guided listening, and similar experiences involving music. The course will cover a minimum of three (3) stylistic periods, provide a multi-cultural perspective, and include both vocal and instrumental genres. Upon completion, students should be able to demonstrate a knowledge of music fundamentals, the aesthetic/stylistic characteristics of historical periods, and an aural perception of style and structure in music.	<b>3</b>	<b>0</b>	<b>3</b>
<b>ORI-101</b>	<b>ORIENTATION TO COLLEGE</b> PREREQUISITE: As required by program. This course aids new students in their transition to the institution; exposes new students to the broad educational opportunities of the institution; and integrates new students into the life of the institution.	<b>1</b>	<b>0</b>	<b>1</b>
<b>PHL-106</b>	<b>INTRODUCTION TO PHILOSOPHY</b> PREREQUISITE: As required by program. This course is an introduction to the basic concepts of philosophy. The literary and conceptual approach of the course is balanced with emphasis on approaches to ethical decision making. The student should have an understanding of major philosophical ideas in an historical survey from the early Greeks to the modern era.	<b>3</b>	<b>0</b>	<b>3</b>
<b>PHL-200</b>	<b>ETHICS IN THE WORKPLACE</b> PREREQUISITE: As required by program. This course is a survey of the ethical principals involved in the workplace with emphasis on common modern problems. The perspectives of workers, supervisors, management, owners, and consumers are considered. The student should have an understanding of the ethical issues unique to the work environment.	<b>3</b>	<b>0</b>	<b>3</b>

Course #	Course Title	Theory Contact Hours/Wk	Lab Contact Hours/Wk	Credit Hours
<b>PHL-206</b>	<b>ETHICS AND SOCIETY</b> PREREQUISITE: As required by program. This course involves the study of ethical issues which confront individuals in the course of their daily lives. The focus is on the fundamental questions of right and wrong, of human rights, and of conflicting obligations. The student should be able to understand and be prepared to make decisions in life regarding ethical issues.	3	0	3
<b>PHL-210</b>	<b>ETHICS AND THE HEALTH SCIENCES</b> PREREQUISITE: As required by program. This course is a study of ethical issues related to the health sciences such as contraception, abortion, and eugenics; human experimentation; truth in drugs and medicine; death and dying; and other health related issues. The student should be able to clarify relevant ethical considerations and have a philosophical basis for decisions on right and wrong, good and bad, rights and responsibilities.	3	0	3
<b>PHS-111</b>	<b>PHYSICAL SCIENCE</b> PREREQUISITE: As required by program. This course provides the non-technical student with an introduction to the basic principles of geology, oceanography, meteorology, and Astronomy. Laboratory is required.	3	2	4
<b>PHS-112</b>	<b>PHYSICAL SCIENCE</b> PREREQUISITE: As required by program. This course provides the non-technical student with an introduction to the basic principle of chemistry and physics. Laboratory is required.	3	2	4
<b>PHY-115</b>	<b>TECHNICAL PHYSICS</b> PREREQUISITE: MTH-103 or MTH-100 Technical Physics is an algebra based physics course designed to utilize modular concepts to include motion, forces, torque, work energy, heat, waves/sound, and electricity. Results of physics education research and physics applications in the workplace are used to improve the student's understanding of physics in technical areas. Upon completion, students will be able to define motion and describe specific module concepts, utilize microcomputers to generate motion diagrams, understand the nature of contact forces and distinguish passive forces, work cooperatively to set up laboratory exercises and demonstrate applications of module-specific concepts.	3	2	4
<b>PHY-120</b>	<b>INTRODUCTION TO PHYSICS</b> PREREQUISITE: MTH-098 or higher This course provides an introduction to general physics for non-science majors. Topics in fundamentals of mechanics, properties of matter, heat and temperature, simple harmonic motion, SHM, waves and sound, electric and magnetism, optics and modern physics. Laboratory is required.	3	2	4
<b>POL-200</b>	<b>INTRODUCTION TO POLITICAL SCIENCE</b> PREREQUISITE: As required by program. This course is an introduction to the field of political science through examination of the fundamental principles, concepts, and methods of the discipline, and the basic political processes and institutions of organized political systems. Topics include approaches to political science, research methodology, the state, government, law, ideology, organized political influences, governmental bureaucracy, problems in political democracy, and international politics. Upon completion, students should be able to identify, describe, define, analyze, and explain relationships among the basic principles and concepts of political science and political processes and institutions of contemporary political systems.	3	0	3
<b>POL-211</b>	<b>AMERICAN NATIONAL GOVERNMENT</b> PREREQUISITE: As required by program. This course surveys the background, constitutional principles, organization, and operation of the American political system. Topics include the U. S. Constitution, federalism, civil liberties, civil rights, political parties, interest groups, political campaigns, voting behavior, elections, the presidency, bureaucracy, Congress, and the justice system. Upon completion, students should be able to identify and explain relationships among the basic elements of American government and function as more informed participants of the American political system.	3	0	3
<b>PSY-200</b>	<b>GENERAL PSYCHOLOGY</b> PREREQUISITE: Successful completion of RDG-083 and ENG-093 or satisfactory placement score. This course is a survey of behavior with emphasis upon psychological processes. This course includes the biological bases for behavior, thinking, emotion, motivation, and the nature and development of personality. This course will be offered each term.	3	0	3
<b>PSY-210</b>	<b>HUMAN GROWTH AND DEVELOPMENT</b> PREREQUISITE: PSY-200 This course is the study of the psychological, social, and physical factors that affect human behavior from conception to death.	3	0	3

<b>Course #</b>	<b>Course Title</b>	<b>Theory Contact Hours/Wk</b>	<b>Lab Contact Hours/Wk</b>	<b>Credit Hours</b>
<b>PSY-230</b>	<b>ABNORMAL PSYCHOLOGY</b> PREREQUISITE: PSY-200. This course is a survey of abnormal behavior and its social and biological origins. The anxiety related disorders, psychoses, personality disorders and mental deficiencies will be covered.	<b>3</b>	<b>0</b>	<b>3</b>
<b>RDG-083</b>	<b>TRANSITIONAL READING I</b> PREREQUISITE: None This course is designed to assist students whose placement test scores indicate difficulty with decoding skills, comprehension, vocabulary, and study skills. This course is NOT creditable toward degree or certificate requirements or grade point average. This course will be offered each term.	<b>3</b>	<b>0</b>	<b>3</b>
<b>REL-100</b>	<b>HISTORY OF WORLD RELIGIONS</b> PREREQUISITE: As required by program. This course is designed to acquaint the student with the beliefs and practices of the major contemporary religions of the world. This includes the religions of Africa, the Orient, and the western world. The student should have an understanding of the history and origins of the various religions in the world.	<b>3</b>	<b>0</b>	<b>3</b>
<b>REL-151</b>	<b>SURVEY OF THE OLD TESTAMENT</b> PREREQUISITE: As required by program. This course is an introduction to the content of the Old Testament with emphasis on the historical context and contemporary theological and cultural significance of the Old Testament. The student should have an understanding of the significance of the Old Testament writings upon completion of this course.	<b>3</b>	<b>0</b>	<b>3</b>
<b>REL-152</b>	<b>SURVEY OF THE NEW TESTAMENT</b> PREREQUISITE: As required by program. This course is a survey of the books of the New Testament with special attention focused on the historical and geographical setting. The student should have an understanding of the books of the New Testament and the cultural and historical events associated with these writings.	<b>3</b>	<b>0</b>	<b>3</b>
<b>SOC-200</b>	<b>INTRODUCTION TO SOCIOLOGY</b> PREREQUISITE: As required by program. This course is an introduction to the vocabulary, concepts, and theory of sociological perspectives of human behavior.	<b>3</b>	<b>0</b>	<b>3</b>
<b>SPA-101</b>	<b>INTRODUCTORY SPANISH I</b> PREREQUISITE: As required by program. This course provides an introduction to Spanish. Topics include the development of basic communication skills and the acquisition of basic knowledge of the cultures of Spanish-speaking areas.	<b>3</b>	<b>0</b>	<b>3</b>
<b>SPA-102</b>	<b>INTRODUCTORY SPANISH II</b> PREREQUISITE: SPA-101 or Equivalent. This continuation course includes the development of basic communication skills and the acquisition of basic knowledge of the cultures of Spanish-speaking areas.	<b>3</b>	<b>0</b>	<b>3</b>
<b>SPC-103</b>	<b>ORAL COMMUNICATION SKILLS</b> PREREQUISITE: Satisfactory placement scores or successful completion of RDG-083 and the successful completion of either ENG-093 or ENG-100. This course is for students without a high school diploma or GED. This course is not creditable toward associate degree requirements. This course introduces the basic concepts of interpersonal communication and the oral communication skills necessary to interact with co-workers and customers, and to work effectively in teams. Topics include overcoming barriers to effective communication, effective listening, applying the principles of persuasion, utilizing basic dynamics of group discussion, conflict resolution, and positive communication patterns in the business setting. Upon completion, students should be able to demonstrate interpersonal communication skills, apply basic principles of group discussion, develop a businesslike personality, and effectively present themselves before co-workers and the public.	<b>3</b>	<b>0</b>	<b>3</b>
<b>SPH-106</b>	<b>FUNDAMENTALS OF ORAL COMMUNICATION</b> PREREQUISITE: Satisfactory placement scores or successful completion of RDG-083 and the successful completion of either ENG-093 or ENG-100. This course is a performance course that includes the principles of human communication: intrapersonal, interpersonal, and public. It surveys current communication theory and provides practical application.	<b>3</b>	<b>0</b>	<b>3</b>
<b>SPH-107</b>	<b>FUNDAMENTALS OF PUBLIC SPEAKING</b> PREREQUISITE: As required by program. This course explores principles of audience and environment analysis as well as the actual planning, rehearsing and presenting of formal speeches to specific audiences. Historical foundations, communication theories and student performances are emphasized.	<b>3</b>	<b>0</b>	<b>3</b>