



# General Education

## General Education Statement

H. Councill Trenholm State Community College's General Education program provides the courses necessary for the completion of the associate of arts and associate of science degrees designed for transfer. General Education also supports all other programs at Trenholm State 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 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 experiencing and appreciating 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.

### 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.

## Developmental Education

Developmental education 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, developmental 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.

Developmental courses are the first step toward a successful college experience for many students. Students who enroll in these courses learn to become independent and successful learners so they will meet their personal, educational, and professional goals. Additionally, developmental education is 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  
Associate of Science  
Short Term Certificate - General Studies

## Program Contact

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

## Estimated Program Length & Cost \*

Award	Length	Credit Hours	Tuition Fees	Books	Tools	Supplies
Associate Degree	6 Terms	63	\$10,494	\$1750	0	\$250
Short Term Certificate	1-2 Terms	29	\$4,611	\$1400	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 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 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 fields of interest.

### Area I: Written Communication (6 hours)

- English Composition I and English 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.
- 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.
- Must complete a six-hour sequence in Literature or History.
- The remaining semester hours are 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. For additional course information of professional/pre-major courses, the Alabama Articulation and General Studies Committee / STARS may be utilized to determine course transferability.

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

### General Education Requirements (18-19 hours)

#### Area I - Written Composition (6 hours)

ENG-101	English Composition I	3
ENG-102	English Composition II	3

**Note:** Must complete ENG-101 and ENG-102

#### Area II - Humanities & Fine Arts (12 hours)

(Humanities and Arts disciplines include but are not limited to Area/Ethnic Studies, Art and Art History, Foreign Languages, Music and Music History, Philosophy, Ethics, Religious Studies, Theater and Dance.)

**Note:** Must complete at least 3 semester hours in Literature\* and at least 3 semester hours in the Arts. The remaining semester hours are to be selected from Humanities and/or Fine Arts.

#### Arts:

ART-100	Art Appreciation	3
MUS-101	Music Appreciation	3

#### Humanities:

PHL-106	Intro to Philosophy	3
PHL-206	Ethics & Society	3
REL-100	History of World Religions	3
REL-151	Survey of Old Testament	3
REL-152	Survey of New Testament	3
SPA-101	Intro Spanish I	3
SPA-102	Intro Spanish II	3
SPH-106	Fundamentals of Oral Comm	3
SPH-107	Fundamentals of Public Speaking	3

#### Literature:

ENG-251	American Literature I	3
ENG-252	American Literature II	3
ENG-261	English Literature I	3
ENG-262	English Literature II	3
ENG-271	World Literature I	3
ENG-272	World Literature II	3

#### Area III - Natural Science & Mathematics (11 hours)

(In addition to Mathematics, disciplines in the Natural Sciences include Astronomy, Biological Sciences, Chemistry, Geology, Physical Geography, Earth Science, Physics, and Physical Science.)

**Note:** Must complete at least 3 semester hours in Mathematics at the Pre-Calculus Algebra or Finite Math level or higher. Must complete at least 8 semester hours in the Natural Sciences which must include laboratory experiences.

#### Mathematics:

MTH-110	Finite Mathematics	3
MTH-112	Precalculus Algebra	3

#### Natural Sciences:

BIO-101	Introduction to Biology I	4
BIO-102	Introduction to Biology II	4
BIO-103	Principles of Biology I	4
BIO-104	Principles of Biology II	4
PHS-111	Physical Science I	4
PHS-112	Physical Science II	4
PHY-120	Introduction to Physics	4

**Area IV - History, Social & Behavioral Sciences (12 hours):**  
(Social and Behavioral Sciences include, but are not limited to Anthropology, Economics, Geography, Political Science, Psychology, and Sociology.)

**Note:** Must complete at least 3 semester hours in History\* and at least 6 semester hours in other disciplines in the Social and Behavioral Sciences.

#### History:

HIS-101	Western Civilization I	3
HIS-102	Western Civilization II	3
HIS-121	World History I	3
HIS-122	World History II	3
HIS-201	United States History I	3
HIS-202	United States History II	3

#### Social and Behavioral Sciences:

PSY-200	General Psychology	3
PSY-210	Human Growth and Development	3
SOC-200	Introduction to Sociology	3
POL-200	Introduction to Political Science	3
POL-211	American National Government	3

#### Area V: Pre-professional/College Requirements:

(Courses appropriate to the degree requirements and major of the individual student and electives.)

#### College Requirements:

ORI-101	Orientation to College	1
CIS-146	Microcomputer Applications	3

Electives: Pre-professional, pre-major and elective courses 21

#### **Total Credit Hours: 63**

\* 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 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

### General Education Requirements (18-19 hours)

#### Area I - Written Composition (6 hours)

ENG-101	English Composition I	3
ENG-102	English Composition II	3

**Note:** Must complete ENG-101 and ENG-102

#### Area II - Humanities & Fine Arts (12 hours)

(Humanities and Arts disciplines include but are not limited to Area/Ethnic Studies, Art and Art History, Foreign Languages, Music and Music History, Philosophy, Ethics, Religious Studies, Theater and Dance.)

**Note:** Must complete at least 3 semester hours in Literature\* and at least 3 semester hours in the Arts. The remaining semester hours are to be selected from Humanities and/or Fine Arts.

#### Arts:

ART-100	Art Appreciation	3
MUS-101	Music Appreciation	3

#### Humanities:

PHL-106	Intro to Philosophy	3
PHL-206	Ethics & Society	3
REL-100	History of World Religions	3
REL-151	Survey of Old Testament	3
REL-152	Survey of New Testament	3
SPA-101	Intro Spanish I	3
SPA-102	Intro Spanish II	3
SPH-106	Fundamentals of Oral Comm	3
SPH-107	Fundamentals of Public Speaking	3

#### Literature:

ENG-251	American Literature I	3
ENG-252	American Literature II	3
ENG-261	English Literature I	3
ENG-262	English Literature II	3
ENG-271	World Literature I	3
ENG-272	World Literature II	3

#### Area III - Natural Science & Mathematics (11 hours)

(In addition to Mathematics, disciplines in the Natural Sciences include Astronomy, Biological Sciences, Chemistry, Geology, Physical Geography, Earth Science, Physics, and Physical Science.)

**Note:** Must complete at least 3 semester hours in Mathematics at the Pre-Calculus Algebra or Finite Math level or higher. Must complete at least 8 semester hours in the Natural Sciences which must include laboratory experiences.

#### Mathematics:

MTH-110	Finite Mathematics	3
MTH-112	Precalculus Algebra	3

#### Natural Sciences:

BIO-103	Principles of Biology I	4
BIO-104	Principles of Biology II	4
PHS-111	Physical Science I	4
PHS-112	Physical Science II	4

#### Area IV - History, Social & Behavioral Sciences (12 hours):

(Social and Behavioral Sciences include, but are not limited to Anthropology, Economics, Geography, Political Science, Psychology, and Sociology.)

**Note:** Must complete at least 3 semester hours in History\* and at least 6 semester hours in other disciplines in the Social and Behavioral Sciences.

#### History:

HIS-101	Western Civilization I	3
HIS-102	Western Civilization II	3
HIS-121	World History I	3
HIS-122	World History II	3
HIS-201	United States History I	3
HIS-202	United States History II	3

#### Social and Behavioral Sciences:

PSY-200	General Psychology	3
PSY-210	Human Growth and Development	3
SOC-200	Introduction to Sociology	3
POL-200	Introduction to Political Science	3
POL-211	American National Government	3

#### Area V: Pre-professional/College Requirements:

(Courses appropriate to the degree requirements and major of the individual student and electives.)

#### College Requirements:

ORI-101	Orientation to College	1
CIS-146	Microcomputer Applications	3

Electives: 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 Science degree program usually transfer to a four-year institution in the Natural Sciences, the Professional Sciences, Mathematics, Computer Science, Business Administration, or Nursing fields.

## Short Term Certificate General Studies

### General Education Requirements (28 hours)

#### Area I - Written Composition (6 hours)

ENG-101	English Composition I	3
ENG-102	English Composition II	3

**Note:** Must complete ENG-101 and ENG-102

#### Area II - Humanities & Fine Arts (9 hours)

(Humanities and Arts disciplines include but are not limited to Area/Ethnic Studies, Art and Art History, Foreign Languages, Music and Music History, Philosophy, Ethics, Religious Studies, Theater and Dance.)

**Note:** Must complete at least 3 semester hours in Literature and at least 3 semester hours in the Arts. The remaining semester hours are to be selected from Humanities and/or Fine Arts.

#### Arts:

ART-100	Art Appreciation	3
MUS-101	Music Appreciation	3

#### Humanities:

PHL-106	Intro to Philosophy	3
PHL-206	Ethics & Society	3
REL-100	History of World Religions	3
REL-151	Survey of Old Testament	3
REL-152	Survey of New Testament	3
SPA-101	Intro Spanish I	3
SPA-102	Intro Spanish II	3
SPH-106	Fundamentals of Oral Comm	3
SPH-107	Fundamentals of Public Speaking	3

#### Literature:

ENG-251	American Literature I	3
ENG-252	American Literature II	3
ENG-261	English Literature I	3
ENG-262	English Literature II	3
ENG-271	World Literature I	3
ENG-272	World Literature II	3

#### Area III - Natural Science & Mathematics (7 hours)

(In addition to Mathematics, disciplines in the Natural Sciences include Astronomy, Biological Sciences, Chemistry, Geology, Physical Geography, Earth Science, Physics, and Physical Science.)

**Note:** Must complete at least 3 semester hours in Mathematics at the Pre-Calculus Algebra or Finite Math level or higher. Must complete at least 4 semester hours in the Natural Sciences which must include laboratory experiences.

#### Mathematics:

MTH-110	Finite Mathematics	3
MTH-112	Precalculus Algebra	3

#### Natural Sciences:

BIO-101	Introduction to Biology I	4
BIO-102	Introduction to Biology II	4
BIO-103	Principles of Biology I	4
BIO-104	Principles of Biology II	4
PHS-111	Physical Science I	4
PHS-112	Physical Science II	4
PHY-120	Introduction to Physics	4

#### Area IV - History, Social & Behavioral Sciences (6 hours):

(Social and Behavioral Sciences include, but are not limited to Anthropology, Economics, Geography, Political Science, Psychology, and Sociology.)

**Note:** Must complete at least 3 semester hours in History and at least 6 semester hours in other disciplines in the Social and Behavioral Sciences.

#### History:

HIS-101	Western Civilization I	3
HIS-102	Western Civilization II	3
HIS-121	World History I	3
HIS-122	World History II	3
HIS-201	United States History I	3
HIS-202	United States History II	3

#### Social and Behavioral Sciences:

PSY-200	General Psychology	3
PSY-210	Human Growth and Development	3
SOC-200	Introduction to Sociology	3
POL-200	Introduction to Political Science	3
POL-211	American National Government	3

#### Area V: Pre-professional/College Requirements:

(Courses appropriate to the degree requirements and major of the individual student and electives.)

#### College Requirements:

ORI-101	Orientation to College	1
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**Total Credit Hours: 29**



## Course Descriptions General Education

Course #	Course Title	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.	<b>3</b>
<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.	<b>4</b>
<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.	<b>4</b>
<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.	<b>4</b>
<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.	<b>4</b>
<b>BIO-111</b>	<b>SURVEY OF HUMAN BIOLOGY</b> PREREQUISITE: As required by the program 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.	<b>4</b>
<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.	<b>3</b>
<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.	<b>3</b>
<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.	<b>3</b>
<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.	<b>4</b>

<b>Course #</b>	<b>Course Title</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.	<b>4</b>
<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.	<b>4</b>
<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.	<b>4</b>
<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.	<b>4</b>
<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.	<b>4</b>
<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.	<b>4</b>
<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.	<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>CIS-146</b>	<b>MICROCOMPUTER APPLICATIONS</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>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
<b>CIS-149</b>	<b>INTRODUCTION TO COMPUTERS</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>ENG-099</b>	<b>INTRODUCTION TO COLLEGE WRITING</b> PREREQUISITE: None CO-REQUISITE: ENG-101. Emphasis is placed on providing students with additional academic and noncognitive support with the goal of success in the students' paired ENG-101 class. The material covered or practiced in the ENG-099 course is complementary to and supportive of material taught in ENG-101 and the needs of the ENG-099 students.	<b>1</b>
<b>ENG-100</b>	<b>VOCATIONAL TECHNICAL ENGLISH I</b> PREREQUISITE: None 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>ENG-101</b>	<b>ENGLISH COMPOSITION I</b> PREREQUISITE: Satisfactory placement scores or successful completion of ENR-098 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>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>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>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>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>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>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
<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>ENG-271</b>	<b>WORLD LITERATURE I</b> PREREQUISITE: ENG-102 or equivalent. This course is a study of selected literary masterpieces from Homer to the Renaissance. Emphasis is placed on major 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>ENG-272</b>	<b>WORLD LITERATURE II</b> PREREQUISITE: ENG-102 or equivalent. This course is a study of selected literary masterpieces from the Renaissance to the present. Emphasis is placed on major 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>ENR-098</b>	<b>WRITING AND READING FOR COLLEGE</b> PREREQUISITE: None This course integrates reading and writing skills students need to comprehend and interact with college-level texts and to produce original college-level writing. Reading skills will center on processes for literal and critical comprehension, as well as the development of vocabulary skills. Writing skills will focus on using an effective writing process including generating ideas, drafting, organizing, revising, and editing to produce competent essays using standard written English. This course may include a one-hour lab component.	<b>4</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>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>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>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>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>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>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
<b>MAH-101</b>	<b>INTRODUCTORY MATHEMATICS I</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 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>MTH-098</b>	<b>ELEMENTARY ALGEBRA I</b> PREREQUISITE: None This course provides a study of the fundamentals of algebra. Topics include the real number system, linear equations and inequalities, graphing linear equations and inequalities in two variables and systems of equations. This course does not apply toward the general core requirement for mathematics.	<b>4</b>
<b>MTH-099</b>	<b>SUPPORT FOR INTERMEDIATE COLLEGE ALGEBRA</b> PREREQUISITE: Appropriate mathematics placement score (MTH-098 is not a pre-requisite for MTH-099. A student who successfully completes MTH-098 is eligible for MTH-100 without the support course.) COREQUISITE: MTH-100 Intermediate College Algebra This Learning Support course provides co-requisite support in mathematics for students enrolled in MTH-100. The material covered in this course is parallel to and supportive of the material taught in MTH-100. Emphasis is placed on providing students with additional academic and noncognitive support with the goal of success in the students' paired MTH-100 class. This course does not apply toward the general core requirement for mathematics.	<b>1</b>
<b>MTH-100</b>	<b>INTERMEDIATE COLLEGE ALGEBRA</b> PREREQUISITE: MTH-098 Elementary Algebra or appropriate mathematics placement score. This course provides a study of algebraic concepts such as laws of exponents, polynomial operations, factoring polynomials, radical and rational expressions and equations and quadratic equations. Functions and relations are introducing and graphed. This course does not apply toward the general core requirement for mathematics.	<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>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>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>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>MTH-113</b>	<b>PRECALCULUS TRIGONOMETRY</b> PREREQUISITE: A minimum prerequisite of high school Algebra I, Geometry, and Algebra II with an appropriate mathematics placement score is required. An alternative to this is that the student should successfully pass with a C or higher (S if taken as pass/fail) MTH 112. This course includes the study of trigonometric (circular functions) and inverse trigonometric functions, and includes extensive work with trigonometric identities and trigonometric equations. The course also covers vectors, complex numbers, DeMoivre's Theorem, and polar coordinates. Additional topics may include conic sections, sequences, and using matrices to solve linear systems.	<b>3</b>

Course #	Course Title	Credit Hours
<b>MTH-115</b>	<b>PRECALCULUS ALGEBRA AND TRIGONOMETRY</b>	<b>4</b>
	PREREQUISITE: A minimum prerequisite of high school Algebra I, Geometry, and Algebra II with an appropriate mathematics placement score is required. An alternative to this is that the student should successfully pass with a C or higher (S if taken as pass/fail) MTH 100 and receive permission from the department chairperson. This course is a one semester combination of Pre-Calculus Algebra and Pre-Calculus Trigonometry intended for superior students. The course covers the following topics: the algebra of functions (including polynomial, rational, exponential, and logarithmic functions), systems of equations and inequalities, quadratic inequalities, and the binomial theorem, as well as the study of trigonometric (circular functions) and inverse trigonometric functions, and includes extensive work with trigonometric identities and trigonometric equations, vectors, complex numbers, DeMoivre's Theorem, and polar coordinates.	
<b>MTH-116</b>	<b>MATHEMATICAL APPLICATIONS</b>	<b>3</b>
	PREREQUISITE: None 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>MTH-120</b>	<b>CALCULUS AND ITS APPLICATIONS</b>	<b>3</b>
	PREREQUISITE: A minimum prerequisite of high school Algebra I, Geometry, and Algebra II with an appropriate mathematics placement score is required. An alternative to this is that the student should successfully pass with a C or higher MTH-112. This course is intended to give a broad overview of calculus and is taken primarily by students majoring in Commerce and Business Administration. It includes differentiation and integration of algebraic, exponential, and logarithmic functions and applications to business and economics. The course should include functions of several variables, partial derivatives (including applications), Lagrange Multipliers, L'Hopital's Rule, and multiple integration (including applications).	
<b>MTH-125</b>	<b>CALCULUS I</b>	<b>4</b>
	PREREQUISITE: A minimum prerequisite of high school Algebra I, Geometry, and Algebra II with an appropriate mathematics placement score is required. An alternative to this is that the student should successfully pass with a C or higher MTH 113 or MTH 115. This is the first of three courses in the basic calculus sequence taken primarily by students in science, engineering, and mathematics. Topics include the limit of a function; the derivative of algebraic, trigonometric, exponential, and logarithmic functions; and the definite integral and its basic applications to area problems. Applications of the derivative are covered in detail, including approximations of error using differentials, maximum and minimum problems, and curve sketching using calculus.	
<b>MUL-101</b>	<b>CLASS PIANO I</b>	<b>1</b>
	PREREQUISITE: As required by program. Group instruction is available in voice, piano, strings, woodwinds, brass, percussion and fretted instruments for students with little or no previous training. Emphasis is placed on the rudiments of music, basic performance technique and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing and a knowledge of music fundamentals.	
<b>MUL-102</b>	<b>CLASS PIANO II</b>	<b>1</b>
	PREREQUISITE: As required by program. Group instruction is available in voice, piano, strings, woodwinds, brass, percussion and fretted instruments for students with little or no previous training. Emphasis is placed on the rudiments of music, basic performance technique and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing and a knowledge of music fundamentals.	
<b>MUL -180</b>	<b>CHORUS I</b>	<b>1</b>
	PREREQUISITE: NONE This course provides an opportunity for students to participate in a performing ensemble. Emphasis is placed on rehearsing and performing literature appropriate to the mission and goals of the group. Upon completion, students should be able to effectively participate in performances presented by the ensemble.	
<b>MUL -181</b>	<b>CHORAL ENSEMBLE II</b>	<b>1</b>
	PREREQUISITE: NONE This course provides an opportunity for students to participate in a performing ensemble. Emphasis is placed on rehearsing and performing literature appropriate to the mission and goals of the group. Upon completion, students should be able to effectively participate in performances presented by the ensemble.	

<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
<b>MUL-201</b>	<b>CLASS PIANO III</b> PREREQUISITE: As required by program. Group instruction is available in voice, piano, strings, woodwinds, brass, percussion and fretted instruments for students with little or no previous training. Emphasis is placed on the rudiments of music, basic performance technique and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing and a knowledge of music fundamentals.	<b>1</b>
<b>MUL-202</b>	<b>CLASS PIANO IV</b> PREREQUISITE: As required by program. Group instruction is available in voice, piano, strings, woodwinds, brass, percussion and fretted instruments for students with little or no previous training. Emphasis is placed on the rudiments of music, basic performance technique and general musicianship skills. Upon completion of one or a sequence of courses, students should be able to demonstrate a basic proficiency in singing or playing and a knowledge of music fundamentals.	<b>1</b>
<b>MUL -280</b>	<b>CHORAL ENSEMBLE III</b> PREREQUISITE: This course provides an opportunity for students to participate in a performing ensemble. Emphasis is placed on rehearsing and performing literature appropriate to the mission and goals of the group. Upon completion, students should be able to effectively participate in performances presented by the ensemble.	<b>1</b>
<b>MUL -281</b>	<b>CHORAL ENSEMBLE IV</b> PREREQUISITE: This course provides an opportunity for students to participate in a performing ensemble. Emphasis is placed on rehearsing and performing literature appropriate to the mission and goals of the group. Upon completion, students should be able to effectively participate in performances presented by the ensemble.	<b>1</b>
<b>MUP-111</b>	<b>PRIVATE VOICE I</b> PREREQUISITE: Instructor permission. Individual performance instruction is available in keyboard instruments, voice, strings, woodwinds, brass, percussion and fretted instruments. Emphasis is placed on developing technique, repertoire and performance skills commensurate with the student's educational goals. Students are required to practice a minimum of five hours per week for each credit hour. Upon completion, students should be able to effectively perform assigned repertoire and technical studies in an appropriate performance evaluation setting.	<b>1</b>
<b>MUP-112</b>	<b>PRIVATE VOICE II</b> PREREQUISITE: Instructor permission. Individual performance instruction is available in keyboard instruments, voice, strings, woodwinds, brass, percussion and fretted instruments. Emphasis is placed on developing technique, repertoire and performance skills commensurate with the student's educational goals. Students are required to practice a minimum of five hours per week for each credit hour. Upon completion, students should be able to effectively perform assigned repertoire and technical studies in an appropriate performance evaluation setting.	<b>1</b>
<b>MUP-211</b>	<b>PRIVATE VOICE II</b> PREREQUISITE: Instructor permission. Individual performance instruction is available in keyboard instruments, voice, strings, woodwinds, brass, percussion and fretted instruments. Emphasis is placed on developing technique, repertoire and performance skills commensurate with the student's educational goals. Students are required to practice a minimum of five hours per week for each credit hour. Upon completion, students should be able to effectively perform assigned repertoire and technical studies in an appropriate performance evaluation setting.	<b>1</b>
<b>MUP-212</b>	<b>PRIVATE VOICE IV</b> PREREQUISITE: Instructor permission. Individual performance instruction is available in keyboard instruments, voice, strings, woodwinds, brass, percussion and fretted instruments. Emphasis is placed on developing technique, repertoire and performance skills commensurate with the student's educational goals. Students are required to practice a minimum of five hours per week for each credit hour. Upon completion, students should be able to effectively perform assigned repertoire and technical studies in an appropriate performance evaluation setting.	<b>1</b>
<b>MUS-101</b>	<b>MUSIC APPRECIATION</b> PREREQUISITE: None 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>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
<b>MUS-110</b>	<b>BASIC MUSICIANSHIP</b>	<b>3</b>
	PREREQUISITE: MUS-099 or suitable placement score or permission of the instructor. This course is designed to provide rudimentary music knowledge and skills for the student with a limited music background. Topics include a study of notation, rhythm, scales, keys, intervals, chords and basic sight singing and ear training skills. Upon completion, students should be able to read and understand musical scores and demonstrate basic sight singing and ear training skills for rhythm, melody and harmony.	
<b>MUS-111</b>	<b>MUSIC THEORY I</b>	<b>3</b>
	PREREQUISITE: MUS-110 or suitable placement score or permission of the instructor. This course introduces the student to the diatonic harmonic practices in the Common Practice Period. Topics include fundamental musical materials (rhythm, pitch, scales, intervals, diatonic harmonies) and an introduction to the principles of voice leading and harmonic progression. Upon completion, students should be able to demonstrate a basic competency using diatonic harmony through analysis, writing, sight singing, dictation and keyboard skills	
<b>MUS-112</b>	<b>MUSIC THEORY II</b>	<b>3</b>
	PREREQUISITE: MUS-111 This course completes the study of diatonic harmonic practices in the Common Practice Period and introduces simple musical forms. Topics include principles of voice leading used in three and four-part triadic harmony and diatonic seventh chords, non-chord tones, cadences, phrases and periods. Upon completion, students should be able to demonstrate competence using diatonic harmony through analysis, writing, sight singing, dictation and keyboard skills.	
<b>MUS-113</b>	<b>MUSIC THEORY LAB I</b>	<b>1</b>
	PREREQUISITE: MUS-110 or suitable placement score or permission of the instructor. COREQUISITE: MUS-111, if ear training lab is a separate course. This course provides the practical application of basic musical materials through sight singing; melodic, harmonic and rhythmic dictation; and keyboard harmony. Topics include intervals, simple triads, diatonic stepwise melodies, basic rhythmic patterns in simple and compound meter and four-part triadic progressions in root position. Upon completion, students should be able to write, sing and play intervals, scales, basic rhythmic patterns, diatonic stepwise melodies, simple triads and short four-part progressions in root position.	
<b>MUS-114</b>	<b>MUSIC THEORY LAB II</b>	<b>1</b>
	PREREQUISITE: MUS-113 COREQUISITE: MUS-112, if ear training lab is a separate course. This course continues the practical application of diatonic musical materials through sight singing; melodic, harmonic and rhythmic dictation; and keyboard harmony. Topics include intervals, scales, diatonic melodies with triadic arpeggiations, more complex rhythmic patterns in simple and compound meter and four-part diatonic progressions in all inversions. Upon completion, students should be able to write, sing and play all intervals, rhythmic patterns employing syncopations and beat divisions, diatonic melodies and four-part diatonic progressions.	
<b>MUS-211</b>	<b>MUSIC THEORY III</b>	<b>3</b>
	PREREQUISITE: MUS-112 COREQUISITE: MUS-213, if ear training lab is a separate course. This course introduces the student to the chromatic harmonic practices in the Common Practice Period. Topics include secondary functions, modulatory techniques, and binary and ternary forms. Upon completion, students should be able to demonstrate competence using chromatic harmony through analysis, writing, sight singing, dictation and keyboard skills.	
<b>MUS-212</b>	<b>MUSIC THEORY IV</b>	<b>3</b>
	PREREQUISITE: MUS-211 COREQUISITE: MUS 214, if ear training lab is a separate course. This course completes the study of chromatic harmonic practices in the Common Practice Period and introduces the student to twentieth-century practices. Topics include the Neapolitan and augmented sixth chords, sonata form, late nineteenth-century tonal harmony and twentieth-century practices and forms. Upon completion, students should be able to demonstrate competence using chromatic harmony and basic twentieth century techniques through analysis, writing, sight singing, dictation and keyboard skills.	
<b>MUS-213</b>	<b>MUSIC THEORY LAB III</b>	<b>1</b>
	PREREQUISITE: MUS-114 COREQUISITE: MUS-211, if ear training lab is a separate course. This course provides the practical application of chromatic musical materials through sight singing; melodic, harmonic and rhythmic dictation; and keyboard harmony. Topics include melodies with simple modulations, complex rhythms in simple and compound meter, and secondary function chords. Upon completion, students should be able to write, sing and play modulating melodies, rhythmic patterns with beat subdivisions and four-part chromatic harmony.	



<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
<b>MUS-214</b>	<b>MUSIC THEORY LAB IV</b> PREREQUISITE: MUS-213 COREQUISITE: MUS-212, if ear training lab is a separate course. This course provides the practical application of chromatic musical materials and simple twentieth-century practices through sight singing; melodic, harmonic and rhythmic dictation; and keyboard harmony. Topics include chromatic and atonal melodies; complex rhythmic patterns in simple, compound and asymmetric meters; chromatic chords and twentieth-century harmony. Upon completion, students should be able to write, sing and play chromatic and atonal melodies, complex rhythms and meters, four-part chromatic harmony and simple twentieth-century chord structures.	<b>1</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>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>PHL-200</b>	<b>ETHICS IN THE WORKPLACE</b> PREREQUISITE: As required by program. This course is a survey of the ethical principles 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>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.	<b>3</b>
<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.	<b>3</b>
<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.	<b>4</b>
<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.	<b>4</b>
<b>PHY 112</b>	<b>PRINCIPLE OF PHYSICS</b> PREREQUISITE: MTH 100 This course introduces the student to the basic principles of physics with an emphasis on electricity and magnetism. The course is designed to provide the student with not only a basic knowledge of electricity and magnetism but also an understanding of real-world applications. To prepare the student to understand electricity and magnetism, additional topics include forces, work, energy, power, sound, and the atomic nature of matter. Topics in electricity and magnetism include electrical forces and fields, currents, electrical circuits, magnetic forces and fields, capacitance, electromagnetic induction and transformers.	<b>2</b>
<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.	<b>4</b>

<b>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
<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.	<b>4</b>
<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.	<b>3</b>
<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.	<b>3</b>
<b>PSY-200</b>	<b>GENERAL PSYCHOLOGY</b> PREREQUISITE: Successful completion of ENR-098 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.	<b>3</b>
<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.	<b>3</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>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>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>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>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>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>Course #</b>	<b>Course Title</b>	<b>Credit Hours</b>
<b>SPA-102</b>	<b>INTRODUCTORY SPANISH II</b>	<b>3</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>SPC-103</b>	<b>ORAL COMMUNICATION SKILLS</b>	<b>3</b>
	PREREQUISITE: Satisfactory placement scores or successful completion of ENR-098. 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>SPH-106</b>	<b>FUNDAMENTALS OF ORAL COMMUNICATION</b>	<b>3</b>
	PREREQUISITE: Satisfactory placement scores or successful completion of ENR-098. 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>SPH-107</b>	<b>FUNDAMENTALS OF PUBLIC SPEAKING</b>	<b>3</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.	