

Career, Technical, and Agricultural Education (CTAE)

Career Pathway Categories and Course Descriptions 2012-2013



**Effingham County High School
South Effingham High School**

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For students entering high school prior to the 2008-2009 school year that wish to pursue a Technical/Career Preparatory Diploma or a Dual Diploma, four units of credit must be earned in Career/Technical/Agricultural Courses. Three of these credits must be in the same program concentration area and one must be in a related area.

For students entering ninth grade for the first time in 2008-2009 or later, a CTAE Career Pathway will be required if the requirement for a Modern Language or Fine Arts Pathway is not met.

Any class with a " * " is a REQUIRED course for pathway completion.

End of Pathway exams will be required upon the completion of any and all pathways, no exceptions.

PROGRAM CONCENTRATION: AGRICULTURE

FORESTRY/NATURAL RESOURCES PATHWAY

02.4710091 *BASIC AGRICULTURAL SCIENCE AND TECHNOLOGY

This course introduces the major areas of scientific agricultural production and research; presents problem solving lessons and introductory skills and knowledge in agricultural science and agri-related technologies. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

03.5510092 *FOREST SCIENCE

This course provides entry-level skills for employment in the forest industry and for further study. The course covers establishing forests by natural and artificial means, maintaining and surveying forests, identifying and protecting trees, practicing silviculture, measuring trees and land, mapping, preparing for timber sales and harvest, employing

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multiple-use resource management, keeping records, and figuring taxes. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities. (This class is a two-period class for two credits.)

03.4530093 *WILDLIFE MANAGEMENT

This course introduces students to the principles of wildlife management and conservation and to opportunities for further education and careers in the field of wildlife biology. The course includes instruction in the history of wildlife management, ecological concepts, habitat assessment, habitat management techniques for wildlife, population dynamics, predator-prey relationships, wildlife species biology and identification, human-wildlife conflict resolution, the role of hunting in conservation, game and fish laws and regulations, hunters safety, and the application of scientific principles to managing wildlife habitat and populations. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

ADVISORS: The Basic Agricultural Science and Technology Course must be taken first. The next two required pathway courses can be taken in any order.

PLANT SCIENCE/HORTICULTURE PATHWAY

02.4710091 *BASIC AGRICULTURAL SCIENCE AND TECHNOLOGY

This course introduces the major areas of scientific agricultural production and research; presents problem solving lessons and introductory skills and knowledge in agricultural science and agri-related technologies. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

01.4610092 *GENERAL HORTICULTURE AND PLANT SCIENCE

This course is designed as an introduction for the Horticulture/Plant Science Pathway Program of Study. The course introduces the major concepts of plant and horticulture science. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

01.4700093 *NURSERY AND LANDSCAPE

This course is designed to provide students with the basic skills and knowledge utilized by the green industry in nursery production and management and landscape design and management. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

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ADVISORS: *The Basic Agricultural Science and Technology Course must be taken first. The next two required pathway courses can be taken in any order.*

ANIMAL SCIENCE CAREER PATHWAY

02.4710091 *BASIC AGRICULTURAL SCIENCE AND TECHNOLOGY

This course introduces the major areas of scientific agricultural production and research; presents problem solving lessons and introductory skills and knowledge in agricultural science and agri-related technologies. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

02.4210092 *ANIMAL SCIENCE TECHNOLOGY/BIOTECHNOLOGY

This course is designed to introduce students to the scientific principles that underlie the breeding and husbandry of agricultural animals, and the production, processing, and distribution of agricultural animal products. Animal Science introduces principles as applied to the animal industry; covers reproduction, production technology, processing, and distribution of agricultural animal products. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

01.4320093 *AGRICULTURAL ANIMAL PRODUCTION AND MANAGEMENT

The goal of this course is to provide all students instruction in establishing and managing agricultural animal enterprises; includes instruction in selecting, breeding, feeding, caring for, and marketing beef and dairy cattle, horses, swine, sheep, and poultry. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

ADVISORS: *The Basic Agricultural Science and Technology Course must be taken first. The next two required pathway courses can be taken in any order.*

AGRICULTURAL MECHANICS PATHWAY (Non-traditional pathway for females)

02.4710091 *BASIC AGRICULTURAL SCIENCE AND TECHNOLOGY

This course introduces the major areas of scientific agricultural production and research; presents problem solving lessons and introductory skills and knowledge in agricultural science and agri-related technologies. Classroom and laboratory activities are

Any course with a " * " is a REQUIRED class for pathway completion.
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supplemented through supervised agricultural experiences and leadership programs and activities.

01.5210092 *AGRICULTURAL MECHANICS TECHNOLOGY I

This course is designed to provide students with introductory level experiences in small engine maintenance and repair, metal fabrication, woodworking, electrical wiring, and maintenance of agricultural machinery, equipment, and tractors. (This is a two period class worth two credits.) *Prerequisite: Basic Agricultural Science and Technology 02.4710091*

01.5220093 *AGRICULTURAL MECHANICS II

This course offers students intermediate level experiences in small engine maintenance and repair, metal fabrication, concrete construction, building construction, plumbing, electrical wiring, soil and water conservation, and maintenance of agricultural machinery, equipment and tractors. (This is a two period class worth two credits)

**PROGRAM CONCENTRATION: ARCHITECTURE,
CONSTRUCTION, COMMUNICATIONS, AND TRANSPORTATION**

CONSTRUCTION CAREER PATHWAYS (*Non-traditional pathways for females*)

This pathway is designed to prepare a student with foundation knowledge and skills for a construction career in one of four possible construction crafts. It is a good pathway for a student to prepare for a variety of opportunities in addition to the craft areas, such as Architecture, Construction Engineering, Construction Management and Property Management.

*As the student progresses through the pathway, they are given the opportunity to explore four construction craft areas on the introductory level. Once they have completed the foundational and introductory levels they are given the option to "major" in at least one of four craft areas. These areas are Carpentry, Masonry, Electrical, and Plumbing. Upon **successful completion of four units** within this Pathway, in an Industry Accredited Program, the student will earn at least two industry credentials with the possibility of others.*

NOTE: Occupational Safety and Fundamentals and Introduction to Construction are the required beginning courses for this pathway. These two courses are followed by the two courses required to complete the "major" in at least one of the four craft areas. A total of four courses is required to complete this pathway.

Any course with a " * " is a REQUIRED class for pathway completion.
IMPORTANT: REFER TO COURSE NUMBERS NOT COURSE NAMES

The first two courses in the construction pathways are all the same. Students should complete one specialization (Electrical I and II, or Carpentry I and II, or Masonry I and II, Plumbing I and II) before taking the "I" course in another specialization. For master scheduling purposes, I and II courses can be mixed in the same class block.

The instructor, student, and parents determine the next sequence of courses students may enroll in for additional study. The next sequence of courses a student takes is determined by his/her interest. These classes will lead to additional industry credentialing and work place readiness.

CONSTRUCTION/CARPENTRY PATHWAY (Four required courses to complete this pathway.) (Non-traditional pathway for females)

46.4450091 *OCCUPATIONAL SAFETY AND FUNDAMENTALS

This course is the foundational course that prepares students for a pursuit of any career in the field of construction. It prepares the student with the basic knowledge to function safely on or around a construction site and in the industry in general. It provides the student with the option for an Industry Certification in the Construction Core. This course explains the safety obligations of workers, supervisors, and managers to ensure a safe workplace. Course content discusses the causes and results of accidents and the dangers of rationalizing risks. It includes the basic content of OSHA 10-hour safety standards. It also includes the basic knowledge and skills needed in the following areas: construction math, hand and power tools used in the field, general blueprints, and basics of rigging safety. This is the required introductory course in this career pathway.

46.4460092 *INTRODUCTION TO CONSTRUCTION

This course offers an opportunity for students to build on their knowledge and skills developed in Occupational Safety and Fundamentals. It introduces them to four construction craft areas and is also the second step towards gaining a Level One Industry Certification in one of the craft areas. The goal of this course is to introduce students to the history and traditions of the carpentry, masonry, plumbing, and electrical craft trades. Students will explore how the various crafts have influenced and been influenced by history. The student will also learn and apply knowledge of the care and safe use of hand and power tools as related to each trade. In addition, students will be introduced to, and develop skills to differentiate between blueprints, as is related to each individual craft area.

Prerequisite: Occupational Safety and Fundamentals 46.5450091.

46.5500093 *CARPENTRY I

This course is preceded by Introduction to Construction. This course is the third of four courses that provides the student a solid foundation in carpentry skills and knowledge. It is the third step in gaining a Level One Industry Certification in Carpentry.

This course provides an overview of the building materials used in the carpentry craft. It teaches techniques for reading and using blueprints and specifications especially as related to the carpentry craft. It provides specific knowledge and skills in site layout and floor and wall framing systems. It includes the basic industry terminology for a carpentry craftsman. (This is a two period class worth two credits.) *Prerequisite: Introduction to Construction 46.5460092*

46.5510094 *CARPENTRY II

This course is preceded by Carpentry I and is the fourth of four courses that provides the student a solid foundation in carpentry skills and knowledge. It is the final step in gaining a Level One Industry Certification in Carpentry.

This course provides the knowledge of various kinds of roof systems. It provides knowledge and skills for layout and cutting of the various types of roof rafters. It provides knowledge and skills for installing exterior doors, windows, and skylights. It also provides the student with knowledge and skills to layout, cut, and install various types of stairs and the code requirements needed to properly do so. (This is a two period class worth two credits.) *Prerequisite: Carpentry I 46.5500093.*

CONSTRUCTION/MASONRY PATHWAY (Four required courses to complete this pathway.) (Non-traditional pathway for females)

46.4450091 *OCCUPATIONAL SAFETY AND FUNDAMENTALS

This course is the foundational course that prepares students for a pursuit of any career in the field of construction. It prepares the student with the basic knowledge to function safely on or around a construction site and in the industry in general. It provides the student with the option for an Industry Certification in the Construction Core. This course explains the safety obligations of workers, supervisors, and managers to ensure a safe workplace. Course content discusses the causes and results of accidents and the dangers of rationalizing risks. It includes the basic content of OSHA 10-hour safety standards. It also includes the basic knowledge and skills needed in the following areas: construction math, hand and power tools used in the field, general blueprints, and basics of rigging safety. *This is the required introductory course in this career pathway.*

Any course with a " * " is a REQUIRED class for pathway completion.
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46.4460092 *INTRODUCTION TO CONSTRUCTION

This course offers an opportunity for students to build on their knowledge and skills developed in Occupational Safety and Fundamentals. It introduces them to four construction craft areas and is also the second step towards gaining a Level One Industry Certification in one of the craft areas.

The goal of this course is to introduce students to the history and traditions of the carpentry, masonry, plumbing, and electrical craft trades. Students will explore how the various crafts have influenced and been influenced by history. The student will also learn and apply knowledge of the care and safe use of hand and power tools as related to each trade. In addition, students will be introduced to, and develop skills to differentiate between blueprints, as is related to each individual craft area. Prerequisite: Occupational Safety and Fundamentals 46.5450091.

46.5700093 *MASONRY I

This course is preceded by Introduction to Construction and is the third of four courses that provides the student a solid foundation in masonry skills and knowledge. It is the third step in gaining a Level One Industry Certification in Masonry.

This course provides knowledge and skills needed to operate hand tools, power tools, and equipment used in mixing mortar safely. It provides the knowledge and skills needed for cutting, laying, and finishing masonry units. It provides the math knowledge and skills needed to calculate distances, areas, and volumes common in masonry work. It also provides the knowledge of the types and properties of mortar and materials used in a concrete mixture. (This is a two period class worth two credits.)

Prerequisite: Introduction to Construction 46.5460092

46.5710094 *MASONRY II

This course is preceded by Masonry I and is the fourth of four courses that provides the student a solid foundation in masonry skills and knowledge. It is the final step in gaining a Level One Industry Certification in Masonry.

This course provides the basic knowledge needed for all types of concrete and masonry units and their applications. It provides additional skills needed for cutting, laying, and finishing masonry units. It provides the knowledge and skills to use ties and reinforcing materials while installing masonry units. It also provides knowledge and skills related to the processes used in placing masonry units. (This is a two period class worth two credits.)

Prerequisite: Masonry I 46.5700093.

CONSTRUCTION/ELECTRICAL PATHWAY (Four required courses to complete this pathway.) (Non-traditional pathway for females)

46.4450091 *OCCUPATIONAL SAFETY AND FUNDAMENTALS

This course is the foundational course that prepares students for a pursuit of any career in the field of construction. It prepares the student with the basic knowledge to function safely on or around a construction site and in the industry in general. It provides the student with the option for an Industry Certification in the Construction Core. This course explains the safety obligations of workers, supervisors, and managers to ensure a safe workplace. Course content discusses the causes and results of accidents and the dangers of rationalizing risks. It includes the basic content of OSHA 10-hour safety standards. It also includes the basic knowledge and skills needed in the following areas: construction math, hand and power tools used in the field, general blueprints, and basics of rigging safety. *This is the required introductory course in this career pathway.*

46.4460092 *INTRODUCTION TO CONSTRUCTION

This course offers an opportunity for students to build on their knowledge and skills developed in Occupational Safety and Fundamentals. It introduces them to four construction craft areas and is also the second step towards gaining a Level One Industry Certification in one of the craft areas.

The goal of this course is to introduce students to the history and traditions of the carpentry, masonry, plumbing, and electrical craft trades. Students will explore how the various crafts have influenced and been influenced by history. The student will also learn and apply knowledge of the care and safe use of hand and power tools as related to each trade. In addition, students will be introduced to, and develop skills to differentiate between blueprints, as is related to each individual craft area. Prerequisite: Occupational Safety and Fundamentals 46.5450091.

46.5600093 *ELECTRICAL I

This course is preceded by Introduction to Construction and is the third of four courses that provides the student a solid foundation in electrical skills and knowledge. It is the third step in gaining a Level One Industry Certification in Electrical.

This course builds on the concepts of electrical safety introduced in Occupational Safety. It provides knowledge of the hardware and systems used by an electrician and the basic skills to install them. It provides a general knowledge of electrical systems including series, parallel, and series-parallel circuits. It provides the basic skills and knowledge to navigate and use the National Electrical Code. It provides an introduction to the skills and

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knowledge of conduit bending and installation. (This is a two period class worth two credits.)
Prerequisite: Introduction to Construction 46.5460092.

46.5610094 *ELECTRICAL II

This course is preceded by Electrical I. The course is the fourth of four courses that provides the student a solid foundation in electrical skills and knowledge. It is the final step in gaining a Level One Industry Certification in Electrical.

This course focuses on proper selection, inspection, use, and maintenance of common electrical test equipment; introduces the types and applications of raceways, wire-ways, and ducts; focuses on the types and application of conductors and covers proper wiring techniques, electrical prints, drawings and symbols; covers the electrical devices and wiring techniques common to commercial, industrial, and residential construction and maintenance. (This is a two period class worth two credits.) *Prerequisite: Electrical I 46.5600093.*

CONSTRUCTION/PLUMBING PATHWAY (Four required courses to complete this pathway.) (Non-traditional pathway for females)

46.4450091 *OCCUPATIONAL SAFETY AND FUNDAMENTALS

This course is the foundational course that prepares students for a pursuit of any career in the field of construction. It prepares the student with the basic knowledge to function safely on or around a construction site and in the industry in general. It provides the student with the option for an Industry Certification in the Construction Core. This course explains the safety obligations of workers, supervisors, and managers to ensure a safe workplace. Course content discusses the causes and results of accidents and the dangers of rationalizing risks. It includes the basic content of OSHA 10-hour safety standards. It also includes the basic knowledge and skills needed in the following areas: construction math, hand and power tools used in the field, general blueprints, and basics of rigging safety. *This is the required introductory course in this career pathway.*

46.4460092 *INTRODUCTION TO CONSTRUCTION

This course offers an opportunity for students to build on their knowledge and skills developed in Occupational Safety and Fundamentals. It introduces them to four construction craft areas and is also the second step towards gaining a Level One Industry Certification in one of the craft areas.

The goal of this course is to introduce students to the history and traditions of the carpentry, masonry, plumbing, and electrical craft trades. Students will explore how the various crafts have influenced and been influenced by history. The student will also learn

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and apply knowledge of the care and safe use of hand and power tools as related to each trade. In addition, students will be introduced to, and develop skills to differentiate between blueprints, as is related to each individual craft area. Prerequisite: Occupational Safety and Fundamentals 46.5450091.

46.5800093 *PLUMBING I

This course is preceded by Introduction to Construction and is the third of four courses that provides the student a solid foundation in plumbing skills and knowledge. It is the third step in gaining a Level One Industry Certification in Plumbing.

This course provides basic skills and knowledge needed to apply OSHA and EPA safety concepts and practices as related specifically to the plumbing trade. It includes the use of plumbing tools and materials. The student is introduced to the basic knowledge and application of plumbing codes. Also included is the basic skills and knowledge required to handle, estimate, and store materials used in the plumbing trade. Involved in this process is the correct interpretation and application of basic information from architectural and construction working drawings, especially as related to plumbing installation. (This is a two period class worth two credits.)

Prerequisite: Introduction to Construction 46.5460092.

46.5810094 *PLUMBING II

This course is preceded by Plumbing I and is the fourth of four courses that provides the student a solid foundation in plumbing skills and knowledge. It is the final step in gaining a Level One Industry Certification in Plumbing.

This course provides the basic skills and knowledge to install water supply systems as well as drain, waste, and ventilation systems. This involves basic installation from rough-in through trim out of a variety of fixtures. It involves practice with the skills and knowledge necessary to apply plumbing codes to specific circumstances. This course also builds on the skills and knowledge of the student to be able to read, interpret, and apply information from architectural and construction working drawings, especially as related to plumbing installation. (This is a two period class worth two credits.)

Prerequisite: Plumbing I 46.5800093.

TRANSPORTATION LOGISTICAL SUPPORT PATHWAY (Four required courses to complete this pathway.) (Non-traditional pathway for females)

47.4710091 *FOUNDATIONS OF TRANSPORTATION AND LOGISTICS

Foundations of Transportation and Logistics is the beginning course for the Transportation Logistical Pathways. The course is also appropriate for students enrolled in any career pathway who plan to own and operate their own businesses. The course will help students build a strong knowledge base and develop skills related to logistics in the transportation sector. Mastery of these standards through project-based learning and leadership development activities of the Career and Technical Student Organizations will help prepare students with a competitive edge for the transportation logistics marketplace. **This is the required introductory course in this career pathway.**

47.5760092 *ELECTRICAL / ELECTRONIC SYSTEMS (Career Academy Only)

Electrical/ Electronic Systems and Design is the second course in the Transportation Logistical Pathways. The course will help students build a strong scientific knowledge base and develop skills related to electrical and electronics in the logistics and transportation sector. Mastery of these standards through project-based learning and leadership development activities of the Career and Technical Student Organizations will help prepare students with a competitive edge for the transportation logistics marketplace.

Prerequisite: Foundations of Transportation and Logistics 47.5710091

47.5770093 *CHASSIS SYSTEM AND DESIGN (Career Academy Only)

This course will help students build a strong scientific knowledge base and develop skills related to vehicle chassis systems in the logistics and transportation sector. Mastery of these standards through project-based learning and leadership development activities of the Career and Technical Student Organizations will help prepare students with a competitive edge for the transportation logistics marketplace. Prerequisite: Foundations of Transportation and Logistics 47.5710091

47.5790094 *ENGINE PERFORMANCE CONCEPTS (Career Academy Only)

The course will help students build a strong scientific knowledge base and develop skills related to vehicle engine performance in the logistics and transportation sector. Mastery of these standards through project-based learning and leadership development activities of the Career and Technical Student Organizations will help prepare students with a competitive edge for the transportation logistics marketplace. **Prerequisite: Foundations of Transportation and Logistics 47.5710091.**

Any course with a " * " is a REQUIRED class for pathway completion.
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TRANSPORTATION LOGISTICAL OPERATIONS PATHWAY (Four required courses to complete this pathway.) (Non-traditional pathway for females)

47.4710091 *FOUNDATIONS OF TRANSPORTATION AND LOGISTICS

Foundations of Transportation and Logistics is the beginning course for the Transportation Logistical Pathways. The course is also appropriate for students enrolled in any career pathway who plan to own and operate their own businesses. The course will help students build a strong knowledge base and develop skills related to logistics in the transportation sector. Mastery of these standards through project-based learning and leadership development activities of the Career and Technical Student Organizations will help prepare students with a competitive edge for the transportation logistics marketplace. **This is the required introductory course in this career pathway.**

47.5760092 *ELECTRICAL / ELECTRONIC SYSTEMS (Career Academy Only)

Electrical/ Electronic Systems and Design is the second course in the Transportation Logistical Pathways. The course will help students build a strong scientific knowledge base and develop skills related to electrical and electronics in the logistics and transportation sector. Mastery of these standards through project-based learning and leadership development activities of the Career and Technical Student Organizations will help prepare students with a competitive edge for the transportation logistics marketplace.

Prerequisite: Foundations of Transportation and Logistics 47.571009

**47.5791093 *HEATING, VENTILATION & AIR CONDITIONING CONCEPTS
(Career Academy Only)**

The course will help students build a strong scientific knowledge base and develop skills related to Heating, Ventilation, Air Conditioning, and Refrigeration in the diesel logistics sector. Mastery of these standards through project-based learning and leadership development activities of the Career and Technical Student Organizations will help prepare students with a competitive edge for the diesel logistics marketplace. Prerequisite:

Foundations of Transportation and Logistics 47.5710091

47.5790094 *ENGINE PERFORMANCE CONCEPTS (Career Academy Only)

The course will help students build a strong scientific knowledge base and develop skills related to vehicle engine performance in the logistics and transportation sector. Mastery of these standards through project-based learning and leadership development activities of the Career and Technical Student Organizations will help prepare students with a competitive edge for the transportation logistics marketplace. Prerequisite: Foundations of Transportation and Logistics 47.5710091.

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BROADCAST/VIDEO PRODUCTION PATHWAY10.4111091 **BROADCAST/VIDEO PRODUCTION I*

This course prepares students for employment or entry into a postsecondary education program in the Broadcast/Video Production career field. Topics covered include, but are not limited to: history of mass media, terminology, safety, basic equipment, script writing, production teams, production and programming, set production, lighting, recording and editing, studio production, and professional ethics. Skills USA, the Georgia Scholastic Press Association, Technology Student Association (TSA) and Student Television Network are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program. ***All material covered in BVP1 will be utilized in subsequent courses.***

10.4121092 **BROADCAST/VIDEO PRODUCTION II*

This second course prepares students for a career in Broadcast/Video production and/or prepares students to transfer to a postsecondary program for further study. Topics include: Planning, Writing, Directing and Editing a Production; Field Equipment Functions; Operational Set-Up and Maintenance; Advanced Editing Operations; Studio Productions; Performance; Audio/Video Control Systems; Production Graphics; Career Opportunities; and Professional Ethics. Skills USA, the Georgia Scholastic Press Association, Technology Student Association (TSA) and Student Television Network are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program. ***All material covered in BVP1 and BVP2 will be utilized in subsequent courses.***

10.4131093 **BROADCAST/VIDEO PRODUCTION III*

This transition course is designed to facilitate student led broadcasts/videos under the guidance of the instructor. Students work cooperatively and independently in all phases of broadcast/video production. Skills USA, the Georgia Scholastic Press Association, Technology Student Association (TSA), and Student Television Network are examples of, but not limited to, appropriate organizations for providing leadership training and/or for reinforcing specific career and technical skills and may be considered an integral part of the instructional program.

ADVISORS: THE ABOVE COURSES MUST BE TAKEN IN ORDER.

GRAPHIC COMMUNICATIONS PATHWAY**48.4610091 *INTRODUCTION TO GRAPHICS AND DESIGN**

This course provides students with an introduction to the principles of graphic communications and design and its place in the world. This course will help students to use computers effectively in their lives, thus providing a foundation for successfully integrating their own interests and careers with the resources of a technological society. In this course, students can acquire a fundamental understanding of the graphic communications and design world. They can learn the theories behind creating aesthetically pleasing designs and how to work with consumers. Exposure to career possibilities and discussion of ethical issues relating to graphic communications and design should also be important threads in this course.

Graphic Communications includes the family of market segments embracing the technologies of printing, publishing, packaging, electronic imaging, and their allied industries; they are often referred to as the graphic arts, print, or imaging industries.

Graphic Design is the process of communicating visually using typography and images to present information. Graphic design practice embraces a range of cognitive skills, aesthetics, and crafts, including typography, visual arts, and page layout. Like other forms of design, graphic design often refers to both the process (designing) by which the communication is created and the products (designs) which are generated.

48.5620092 *GRAPHIC DESIGN AND PRODUCTION (Career Academy Only)

This course focuses on the procedures commonly used in the graphic communication and design industries. Students will gain experience in creative problem solving and the practical implementation of those solutions across multiple areas of graphic communications. Students will also understand and manipulate color to achieve various outcomes required by job specifications. (This is a two period class worth two credits.)

Prerequisite: Introduction to Graphics and Design 48.5610091

48.5690093 *GRAPHIC OUTPUT PROCESSES (Career Academy Only)

Students gain experience in successfully completing the output processes of various projects in an increasingly independent manner. Students also learn to manage the output and completion process as a whole including customer relations management, printing, finishing, and binding. Students accumulate work samples that will constitute their personal portfolio. Upon successful completion of the course, students are prepared to move into employment or a post-secondary education environment where self-motivation and a high level of skill are expected. (This is a two period class worth two credits.) ***Prerequisites:***

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****IMPORTANT: REFER TO COURSE NUMBERS NOT COURSE NAMES****

Introduction to Graphics and Design 48.5610091 and Graphic Design and Production 48.5620092

GRAPHIC DESIGN PATHWAY

48.4610091 *INTRODUCTION TO GRAPHICS AND DESIGN

This course provides students with an introduction to the principles of graphic communications and design and its place in the world. This course will help students to use computers effectively in their lives, thus providing a foundation for successfully integrating their own interests and careers with the resources of a technological society.

In this course, students can acquire a fundamental understanding of the graphic communications and design world. They can learn the theories behind creating aesthetically pleasing designs and how to work with consumers. Exposure to career possibilities and discussion of ethical issues relating to graphic communications and design should also be important threads in this course.

Graphic Communications includes the family of market segments embracing the technologies of printing, publishing, packaging, electronic imaging, and their allied industries; they are often referred to as the graphic arts, print, or imaging industries.

Graphic Design is the process of communicating visually using typography and images to present information. Graphic design practice embraces a range of cognitive skills, aesthetics, and crafts, including typography, visual arts, and page layout. Like other forms of design, graphic design often refers to both the process (designing) by which the communication is created and the products (designs) which are generated.

48.5620092 *GRAPHIC DESIGN AND PRODUCTION (Career Academy Only)

This course focuses on the procedures commonly used in the graphic communication and design industries. Students will gain experience in creative problem solving and the practical implementation of those solutions across multiple areas of graphic communications. Students will also understand and manipulate color to achieve various outcomes required by job specifications. (This is a two period class worth two credits.)

Prerequisite: Introduction to Graphics and Design 48.5610091

48.5280093 *ADVANCED GRAPHIC DESIGN (Career Academy Only)

Students will continue to explore the principles of design and layout procedures as they relate to graphic design. Course content will cover electronic systems and software programs used in graphic design, page composition, image conversion, and digital printing.

Any course with a " * " is a REQUIRED class for pathway completion.
****IMPORTANT: REFER TO COURSE NUMBERS NOT COURSE NAMES****

Knowledge and skills in digital design and imaging will be enhanced through experiences that simulate the graphic design industry and school-based and work-based learning opportunities. Students will also explore and develop the graphic design portfolio and resume in electronic, print, and photographic form. (This is a two period class worth two credits.) *Prerequisites: Introduction to Graphics and Design 48.5610091 and Graphic Design and Production 48.5620092*

ARCHITECTURAL DRAWING AND DESIGN PATHWAY (Non-traditional pathway for females)

48.5410091 *INTRODUCTION TO ENGINEERING DRAWING AND DESIGN
(Career Academy Only)

Introduction to Engineering Drawing and Design is a foundation course that serves as an introduction to the drafting and design field and is a prerequisite to all other courses in the Engineering Drawing and Design program. Emphasis is placed on safety, geometric construction, fundamentals of Computer-Aided Drafting, and multi-view drawings. Students learn drafting techniques through the study of geometric construction at which time they are introduced to computer-aided drafting and design. The standards are aligned with the drafting and design standards in the Georgia's technical colleges, thus helping students qualify for advanced placement should they continue their education at the postsecondary level. Further, the standards are aligned with the national standards of the American Design Drafting Association (ADDA). Students who successfully complete this and other drafting courses should be prepared to take the Drafter Certification Examination from the ADDA. Competencies for the co-curricular student organization, SkillsUSA, are integral components of both the core employability skills standards and the technical skills standards. SkillsUSA activities should be incorporated throughout instructional strategies developed for the course. (This is a two period class worth two credits.) **This is the required introductory course in this career pathway.**

48.5450092 *ARCHITECTURAL DRAWING AND DESIGN I (Career Academy Only)

Architectural Drawing and Design I is a one-credit course that introduces students to the basic terminology, concepts, and principles of architectural design. Emphasis is placed on house designs, floor plans, roof designs, elevations (interior and exterior), schedules, and foundations. The standards are aligned with the drafting and design standards in Georgia's technical colleges, thus helping students qualify for advanced placement should they continue their education at the postsecondary level. Further, the standards are aligned with the national standards of the American Design Drafting Association (ADDA). Students who successfully complete this and other drafting courses should be prepared to take the

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Drafter Certification Examination from the ADDA. Competencies for the co-curricular student organization, SkillsUSA, are integral components of both the core employability skills standards and the technical skills standards. SkillsUSA activities should be incorporated throughout instructional strategies developed for the course. (This is a two period class worth two credits.) Prerequisites: Introduction to Engineering Drawing and Design 48.5410091

48.5460093 *ARCHITECTURAL DRAWING AND DESIGN II (Career Academy Only)

Architectural Drawing and Design II is a one-credit course that builds on the skills developed in Architectural Drawing and Design I. Emphasis is placed on schedules, plumbing, heating and air, graphic presentations, plot/site plans, specifications, and building estimations. While the term computer-aided design (CAD) does not appear in each competency, CAD tools and software should be used extensively throughout the course. The standards are aligned with the drafting and design standards in Georgia's technical colleges, thus helping students qualify for advanced placement should they continue their education at the postsecondary level. Further, the standards are aligned with the national standards of the American Design Drafting Association (ADDA). Students who successfully complete this and other drafting courses should be prepared to take the Drafter Certification Examination from the ADDA. Competencies for the co-curricular student organization, SkillsUSA, are integral components of both the core employability skills standards and the technical skills standards. SkillsUSA activities should be incorporated throughout instructional strategies developed for the course. (This is a two period class worth two credits.) Prerequisites: Introduction to Engineering Drawing and Design 48.5410091 and Architectural Drawing and Design I 48.5450092

PROGRAM CONCENTRATION: ENGINEERING AND TECHNOLOGY

ENGINEERING GRAPHICS AND DESIGN PATHWAY (Non-traditional pathway for females)

48.5410091 *INTRODUCTION TO ENGINEERING DRAWING AND DESIGN

Introduction to Engineering Drawing and Design is a foundation course that serves as an introduction to the drafting and design field and is a prerequisite to all other courses in the Engineering Drawing and Design program. Emphasis is placed on safety, geometric construction, fundamentals of Computer-Aided Drafting, and multi-view drawings. Students learn drafting techniques through the study of geometric construction at which time they are introduced to computer-aided drafting and design. The standards are aligned with the drafting and design standards in the Georgia's technical colleges, thus helping students

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qualify for advanced placement should they continue their education at the postsecondary level. Further, the standards are aligned with the national standards of the American Design Drafting Association (ADDA). Students who successfully complete this and other drafting courses should be prepared to take the Drafter Certification Examination from the ADDA. Competencies for the co-curricular student organization, SkillsUSA, are integral components of both the core employability skills standards and the technical skills standards. SkillsUSA activities should be incorporated throughout instructional strategies developed for the course. (This is a two period class worth two credits.) **This is the required introductory course in this career pathway.**

48.5420092 *SURVEY OF ENGINEERING GRAPHICS (Career Academy Only)

Survey of Engineering Graphics is a one-credit course designed to further the development of student knowledge and skills in the Engineering Drawing and Design field. Students learn to illustrate more complex objects using the Computer-Aided Drafting (CAD) system and develop skills in dimensioning, tolerancing, pictorials, sections, auxiliary views, and intersection and developments. While the term computer-aided design (CAD) does not appear in each competency, CAD tools and software should be used extensively throughout the course. The standards are aligned with the drafting and design standards in Georgia's technical colleges, thus helping students qualify for advanced placement should they continue their education at the postsecondary level. Further, the standards are aligned with the national standards of the American Design Drafting Association (ADDA). Students who successfully complete this and other drafting courses should be prepared to take the Drafter Certification Examination from the ADDA. Competencies for the co-curricular student organization, SkillsUSA, are integral components of both the core employability skills standards and the technical skills standards. SkillsUSA activities should be incorporated throughout instructional strategies developed for the course. (This is a two period class worth two credits.) Prerequisite: Introduction to Engineering Drawing and Design 48.5410091

48.5430093 *3D MODELING AND ANALYSIS (Career Academy Only)

3D Modeling and Analysis is a one-credit course designed to further the development of student knowledge and skills in engineering and related mechanical design drafting areas. Emphasis is placed on 3-D working and assembly drawings including rendering and animation. While the term computer-aided design (CAD) does not appear in each competency, CAD tools and software should be used extensively throughout the course. The standards are aligned with the drafting and design standards in Georgia's technical colleges, thus helping students qualify for advanced placement should they continue their education at the postsecondary level. Further, the standards are aligned with the national standards of the American Design Drafting Association (ADDA). Students who successfully complete this and other drafting courses should be prepared to take the Drafter Certification Examination

from the ADDA. Competencies for the co-curricular student organization, SkillsUSA, are integral components of both the core employability skills standards and the technical skills standards. SkillsUSA activities should be incorporated throughout instructional strategies developed for the course. (This is a two period class worth two credits.) **Prerequisite: Introduction to Engineering Drawing and Design 48.5410091**

PROGRAM CONCENTRATION: BUSINESS AND COMPUTER SCIENCE

FINANCIAL MANAGEMENT - SERVICES PATHWAY - BANKING AND INSURANCE

06.4160091 *BUSINESS ESSENTIALS

Business Essentials is a foundations course for the Small Business Development Career Pathway. The course will help students build a strong knowledge base and develop management skills as they study forms of business ownership, functions of management, budgeting and finance, technology, communications, legislation, leadership and teamwork, marketing, and economics. Mastery of these standards through project-based learning and leadership development activities of the Career and Technical Student Organizations will help prepare students with a competitive edge for the global marketplace. *This is the required introductory course in this career pathway.*

07.4211092 *BANKING AND INVESTING

Using project-based instruction, students are introduced to the basics of the banking system, bank operating procedures, negotiable instruments, and the deposit and credit functions of banks. Methods used for measuring the financial performance of banks are analyzed. Current issues and future trends in banking are examined. Students explore the major functions of bank employees by completing a flow-of-work simulation. Students formulate business and individual investment decisions by comparing and contrasting a variety of investment options. Students analyze annual reports, predict growth rates, and chart trend lines. Business partnerships with community banks, investment firms, stock market simulations, guest speakers, field trips, and work-based learning activities can be incorporated in this course. Competencies for the co-curricular student organization Future Business Leaders of America (FBLA) are integral components of the performance standards. FBLA activities should be incorporated throughout instructional strategies developed for the course. **Prerequisite: Business Essentials 06.4160091**

07.4230093 *INSURANCE AND RISK MANAGEMENT

Using project-based instruction, students analyze risk management techniques from the viewpoints of those employed in the industry as well as from business owners seeking to

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meet risk management needs. Insurance products are evaluated in relation to cost and effectiveness. The importance of ethical practices is emphasized. Business partnerships with risk management companies, guest speakers, field trips, and work-based learning activities are incorporated in this course. Mastery of standards through project-based learning and leadership development activities of Future Business Leaders of America (FBLA) will help prepare students with a competitive edge for the global marketplace.

Prerequisite: Business Essentials 06.4160091

ADVISORS: BUSINESS ESSENTIALS MUST BE TAKEN FIRST. BANKING AND INVESTING AND INSURANCE AND RISK MANAGEMENT CAN BE TAKEN IN ANY ORDER.

SMALL BUSINESS DEVELOPMENT PATHWAY

06.4160091 *BUSINESS ESSENTIALS

Business Essentials is a foundations course for the Small Business Development Career Pathway. The course will help students build a strong knowledge base and develop management skills as they study forms of business ownership, functions of management, budgeting and finance, technology, communications, legislation, leadership and teamwork, marketing, and economics. Mastery of these standards through project-based learning and leadership development activities of the Career and Technical Student Organizations will help prepare students with a competitive edge for the global marketplace. ***This is the required introductory course in this career pathway.***

06.4150092 *LEGAL ENVIRONMENT OF BUSINESS

Legal Environment of Business is the second course in the Small Business Development Career Pathway. This course concentrates on the legal aspects of business ownership and management. Legal issues will include contracts, sales, consumer law, agency and employment law, personal and real property, risk management, environmental law, and government effects on business. The impact of ethics on business operations will be studied. International business principles are infused in the standards for Legal Environment of Business. Mastery of these standards through project-based learning and leadership development activities of Future Business Leaders of America (FBLA) will help prepare students with a competitive edge for the global marketplace.

Prerequisite: Business Essentials 06.4160091

06.4170093 *ENTREPRENEURIAL VENTURES

Entrepreneurial Ventures is the third course in the Small Business Development Career

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Pathway. This course concentrates on the management skills necessary for successful business operation. Students will study management strategies for developing and implementing business plans; structuring the organization; financing the organization; and managing information, operations, marketing and human resources. International business principles are infused in the standards for Entrepreneurial Ventures. An integral component of the Entrepreneurial Ventures course is a school-based or community-based entrepreneurial venture that will engage students in the creation and management of a business and the challenges of being a small business owner. Mastery of these standards through project-based learning and leadership development activities of Future Business Leaders of America (FBLA) will help prepare students with a competitive edge for the global marketplace. ***Prerequisite: Business Essentials 06.4160091.***

ADMINISTRATIVE/INFORMATION SUPPORT PATHWAY

07.4411091 *COMPUTER APPLICATIONS 1

This course will provide an understanding and application of social, ethical, and human issues related to technology. The course will provide an introduction to computer technology, decision-making, productivity, communications, and problem-solving skills. Areas of instruction include computer applications and integration of word processing, desktop publishing, spreadsheet, database, and presentation software as well as use of emerging technologies. Students will acquire skills required to create, edit, and publish industry appropriate documents. Areas of study will also include oral and written communications and information research for reporting purposes. Competencies for the co-curricular student organization, Future Business Leaders of America (FBLA), are integral components of both the core employability skills standards and technical skill standards.

07.4412092 *COMPUTER APPLICATIONS 2

This course provides students with opportunities to enhance their computer technology, decision-making, productivity, communications, and problem solving skills. Areas of instruction include advanced computer applications and integration of word processing, desktop publishing, spreadsheet, database, and presentation software, as well as the use of emerging technologies. Students will acquire advanced skills required to create, edit, and publish industry appropriate documents. Areas of study will also include oral and written communications and information research for reporting purposes. Competencies for the co-curricular student organization, Future Business Leaders of America (FBLA), are integral components of both the core employability skills standards and technical skill standards. ***Prerequisite: Computer Applications 1 07.4411091***

07.4831093

***BUSINESS COMMUNICATION AND PRESENTATION**

This course provides students with an understanding of communication skills and current and upcoming technology and its impact personally and professionally. Competency will be developed in the areas of oral and written communication, interpersonal skills, and the use of current technology. Competencies in the co-curricular student organization, Future Business Leaders of America (FBLA), are integral components of both the core employability skills standards and the technical skill standards. This course is most appropriate for Juniors and Seniors. Prerequisite: Computer Applications 1 07.4411091

BUSINESS LOGISTICS PATHWAY

07.4910091

***Fundamentals of Logistics**

Supply Chain Management is the first course in the Business Logistics Management program of study and designed to prepare students for employment in the field of business logistics. This course will introduce students to supply chain management, e-commerce, Occupational Safety and Health Administration (OSHA) safety standards, and Environmental Protection Agency (EPA) standards for hazardous materials handling. In addition, Supply Chain Management will provide an overview of the process from receipt of inventory to the delivery of the product to the consumer. Mastery of these standards through project-based learning and leadership development activities of the Career and Technical Student Organizations will help equip students with a competitive edge for the business logistics industry.

07.4920092

***Business Logistics Operation**

Business Logistics Operations is the second course in the Business Logistics Management program of study. Successful completion of this course along with Supply Chain Management will prepare students for the Certified Logistics Associate (CLA) exam. This course will introduce students to global supply logistics covering topics, such as the global logistics environment, the importance of planning and logistics strategies, customer service, material handling safety and operations, global supply chain operations, and quality control. Students will be instructed through the use of lecture, guided inquiry, project-based learning, interviews with industry professionals, field trips, teamwork, simulations, and problem solving. Students should also participate in leadership development activities with a Career Technical Student Organization. **This course is a pre-requisite** for the Logistics Materials Management course that is required in order to complete the Certified Logistics Technician (CLT) exam.

Any course with a " * " is a REQUIRED class for pathway completion.
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07.4930093 *Logistics Materials Management

Logistics Materials Management is the third course in the Business Logistics Management program of study. Materials Management is concerned with planning, organizing, and control flow of materials from their initial purchase to destination. Topics include product receiving, proper materials storage, order processing in relation to warehouse operations, packaging materials, inventory control, safe handling of hazardous materials, transportation modes, dispatch, routing and tracking operations.

Students will be instructed through the use of lecture, guided inquiry, project-based learning, interviews with industry professionals, job shadowing, teamwork, problem solving, simulations, and/or a school-based enterprise. Students should also participate in leadership development activities with a Career Technical Student Organization. Successful completion of this course will prepare students for the Certified Logistics Technician (CLT) exam. Students must complete Supply Chain Management and Business Logistics Operations courses and pass the Certified Logistics Associate exam in order to be eligible to take the CLT exam.

PROGRAM CONCENTRATION: EDUCATION

EARLY CHILDHOOD EDUCATION PATHWAY (Non-traditional pathway for males)

NOTE: Students enrolling in the Early Childhood Education Career Pathway must realize that background information regarding discipline or law enforcement infractions may limit participation in the program concentration. Students with medical conditions, including pregnancy that may create a liability situation for an employer, will receive an alternate assignment in lieu of the child care lab experience. Also, due to off-campus laboratory experiences, students enrolling in this course must possess a valid driver's license and have their own personal transportation. A copy of the driver's license and proof of insurance will be required before leaving campus.

20.4251091 *INTRODUCTION TO EARLY CHILDHOOD CARE AND EDUCATION

Introduction to Early Childhood Care prepares the student for employment in early childhood education and services. The course also provides a foundation for advanced study leading to postsecondary education and careers in related fields. The course addresses early childhood care and education and development issues that include guiding the physical, cognitive, creative, social, emotional, and moral development of children. This course of

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study includes planning and guiding developmentally appropriate practices for working with young children including career paths, principles and theories of child development, the creation of a developmentally appropriate learning environment, collaborative relationships and guidance, lesson planning, and appropriate response to cultural diversity and students with special needs. Mastery of standards through project based learning, technical skills practice, and leadership development activities of the career and technical student organizations will provide students with a competitive edge for either entry into the education global marketplace and/or the post-secondary institution of their choice to continue their education and training. *This is the required introductory course in this career pathway.*

20.4232092 *HUMAN GROWTH AND DEVELOPMENT FOR EARLY CHILDHOOD

Human Growth and Development for Early Childhood addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children. Topics that may be addressed include principles of physical, emotional, social, cognitive, and moral development; human needs across the ages and stages of childhood; impacts of family and societal crisis on the development of the child; and career decisions. Mastery of standards through project based learning, technical skills practice, and leadership development activities of the career and technical student organizations will provide students with a competitive edge for either entry into the education global marketplace and/or the post-secondary institution of their choice to continue their education and training. *Prerequisite: Introduction to Early Childhood Care and Education 20.5251091*

20.4261093 *HEALTH, SAFETY AND NUTRITION FOR THE YOUNG CHILD

Health, Safety and Nutrition for the Young Child introduces the theory, practices, and requirements for establishing and maintaining a safe, healthy learning environment. This course develops skills for employment in early childhood-related occupations, including professional issues and work ethics; developmentally appropriate practices; health, safety and nutrition education; certification in CPR/First Aid/Fire Safety; child abuse and neglect; symptoms and prevention of major childhood illnesses and diseases; and prevention and control of communicable illnesses. Practical applications through service learning, volunteer experiences, and internships will be included. The development of an educational portfolio for employment in early childhood education is required. Mastery of standards through project based learning, technical skills practice, and leadership development activities of the career and technical student organizations will provide students with a competitive edge for either entry into the education global marketplace and/or the post-secondary institution of their choice to continue their education and training. *Prerequisite: Introduction to Early Childhood Care and Education 20.5251091*

EDUCATION AND TEACHING PATHWAY

NOTE: *Students enrolling in the Education and Teaching Career Pathway must have a 3.0 overall GPA from the freshman and sophomore years. They must realize that background information regarding discipline or law enforcement infractions may limit participation in the program concentration. Students with medical conditions, including pregnancy that may create a liability situation for an employer, will receive an alternate assignment in lieu of the child care lab experience. Also, due to off-campus laboratory experiences, students enrolling in this course must possess a valid driver's license and have their own personal transportation. A copy of the driver's license and proof of insurance will be required before leaving campus.*

13.0110091 *EXAMINING THE TEACHING PROFESSION

Examining the Teaching Profession prepares candidates for future positions in the field of education. Teaching Profession candidates study, apply, and practice the use of current technologies, effective teaching and learning strategies, the creation of an effective learning environment, the creation of instructional opportunities for diverse learners and students with special needs, and plan instruction based on knowledge of subject matter, students, community, and curriculum performance standards. Candidates will be prepared to practice their skills and knowledge at a variety of elementary and secondary education sites. Mastery of standards through project based learning, technical skills practice, and leadership development activities of the career and technical student organizations will provide students with a competitive edge for either entry into the education global marketplace and/or the post-secondary institution of their choice to continue their education and training.

13.0120092 *CONTEMPORARY ISSUES IN EDUCATION

This course engages the candidate in observations, interactions, and analyses of critical and contemporary educational issues. The candidate will investigate issues influencing the social and political contexts of educational settings in Georgia and the United States and actively examines the teaching profession from multiple vantage points both within and outside of the school. Against this backdrop, the candidate will reflect on and interpret the meaning of education and schooling in a diverse culture and examine the moral and ethical responsibilities of teaching in a democracy. (Mastery of standards through project based learning, technical skills practice, and leadership development activities of the career and technical student organization Future Educators of America (FEA) will provide students with a competitive edge for either entry into the education global marketplace and/or the post-secondary institution of their choice to continue their education and training.

Prerequisite: *Examining the Teaching Profession - 13.0110091.*

13.4210093 *TEACHING AS A PROFESSION INTERNSHIP (Senior Year)

The internship offers a candidate in the Teaching as a Profession career pathway a field experience under the direct supervision of a certified teacher (mentor teacher). The internship stresses observing, analyzing, and classifying activities of the mentor teacher and comparing personal traits with those of successful teachers. The candidate intern will develop a portfolio of their skills, plan and teach a lesson or lessons, understand and practice confidentiality as it pertains to the teaching profession, meet the needs of special education students, maintain the safety of the students and practice professionalism and ethical behavior. *Prerequisite: Examining the Teaching Profession 13.0110091. This course can be taken at the same time as Contemporary Issues in Education 13.0120092.*

PROGRAM CONCENTRATION: FAMILY AND CONSUMER SCIENCE**NUTRITION AND FOOD SCIENCE PATHWAY** (Non-traditional pathway for males)**20.4161091 *FOOD, NUTRITION, AND WELLNESS**

Food, Nutrition and Wellness is an essential course in understanding nutritional needs and food choices for optimal health of individuals across the lifespan. Interrelationships with wellness are explored. This course leads to the advanced nutrition pathway and develops a knowledge base and the skills necessary to select among alternatives in the marketplace, with an emphasis on nutrient content, the development of chronic diseases, and food safety. *This is the required introductory course in this career pathway.*

20.4171092 *FOOD AND NUTRITION THROUGH THE LIFESPAN

Food and Nutrition through the Lifespan is an advanced course in food and nutrition that addresses the variation in nutritional needs at specific stages of the human life cycle: lactation, infancy, childhood, adolescence, and adulthood including old age. The most common nutritional concerns, their relationship to food choices and health status and strategies to enhance well-being at each stage of the lifecycle are emphasized. This course provides knowledge for real life and offers students a pathway into dietetics, consumer foods, and nutrition science careers with additional education at the post-secondary level.

Prerequisite: Food, Nutrition, and Wellness 20.41610

20.4181093 *FOOD SCIENCE

Food science integrates many branches of science and relies on the application of the rapid advances in technology to expand and improve the food supply. Students will evaluate the

effects of processing, preparation, and storage on the quality, safety, wholesomeness, and nutritive value of foods. Building on information learned in Nutrition and Wellness and **Chemistry**, this course illustrates scientific principles in an applied context, exposing students to the wonders of the scientific world. Careers will be explored. *Prerequisites: Food, Nutrition, and Wellness 20.4161021 AND Food and Nutrition through the Lifespan 20.4171092.*

PROGRAM CONCENTRATION: CULINARY ARTS

CULINARY ARTS PATHWAY

20.5310091 *INTRODUCTION TO CULINARY ARTS (Career Academy Only)

Introduction to Culinary Arts is a course designed to introduce students to fundamental food preparation terms, concepts, and methods in Culinary Arts where laboratory practice will parallel class work. Fundamental techniques, skills, and terminology are covered and mastered with an emphasis on basic kitchen and dining room safety, sanitation, equipment maintenance and operation procedures. Course also provides an overview of the professionalism in the culinary industry and career opportunities leading into a career pathway to Culinary Arts. (This is a two period class worth two credits.)

20.5321092 *CULINARY ARTS I (Career Academy Only)

Culinary Arts I is designed to create a complete foundation and understanding of Culinary Arts leading to post secondary education or a foodservice career. Building from techniques and skills learned in Foundation of Culinary Arts, this fundamentals course begins to involve in-depth knowledge and hands on skill mastery of Culinary Arts. (This is a two period class worth two credits.) *Prerequisite: Introduction to Culinary Arts 20.5310091*

20.5331093 *CULINARY ARTS II (Career Academy Only)

Culinary Arts II is an advanced and rigorous in-depth course designed for the student who has continued the Culinary Arts Pathway and wishes to continue their education at the post-secondary level or enter the foodservice industry as a proficient and well rounded individual. Strong importance is given to refining hands on production of the classic fundamentals in the commercial kitchen. (This is a two period class worth two credits.) *Prerequisites: Introduction to Culinary Arts 20.5310091 and Culinary Arts I 20.5321092*

Any course with a " * " is a REQUIRED class for pathway completion.
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PROGRAM CONCENTRATION: GOVERNMENT AND PUBLIC SAFETY

LAW AND JUSTICE PATHWAY

Note: The Law and Justice Pathway is designed to provide students with career focused educational opportunities in various public safety fields. Each course has elements which cover tactics, methods, and skills utilized by law enforcement and other public safety fields that should be taken into consideration when assessing implementation options. School boards should evaluate criteria, including discipline records, for student enrollment that account for successful completion of future background investigations required for entry into such careers.

43.4300091 **INTRODUCTION TO LAW AND JUSTICE (ECHS Only)*

Students will examine the basic concepts of law related to citizens' rights and officers' responsibilities to maintain a safe society. This course begins with a study of various careers in public safety. The course will explore the history and development of law enforcement in the United States. Students will then examine the components of the criminal justice system, including the roles and responsibilities of the police, courts, and corrections. Additionally, students will learn the classification and elements of crimes. Students will receive instruction in critical skill areas including communicating with diverse groups, conflict resolution, the use of force continuum, report writing, operation of police and emergency equipment, and courtroom testimony. Career planning and employability skills will be emphasized.

43.4350092 **LAW, COMMUNITY RESPONSE AND POLICING (ECHS Only)*

This course emphasizes the structure of the American legal system while examining constitutional legal issues. Students will explore the difference between common and statutory law in the context of how legal precedent is established. The course will explore the rights of citizens guaranteed by the United States and Georgia constitutions. Students will also evaluate the powers granted to the police and the restrictions placed upon them by the respective constitutions and their amendments. Specific topics of discussion will include search and seizure, arrests, interviews, interrogations, and confessions in the context of criminal prosecution. Major emphasis will be placed on the role and decisions of the US Supreme Court. Students will utilize reading, writing, and critical thinking in the analysis of cases in a mock trial. In addition to legal issues, students will be exposed to advanced law and justice skills. Activities include tactics, methods, and skills utilized in the law enforcement field. Students will attain skills for dealing with disasters and emergency situations. The course culminates with students demonstrating their skills through participation in a simulated disaster scenario. The students are required to meet both

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national and intrastate professional guidelines as designated by applicable regulatory agencies such as Federal Emergency Management Agency (FEMA) and Georgia Emergency Management Agency (GEMA). Upon completion of the course requirements and the final disaster simulation, students may be eligible to obtain certifications in Community Emergency Response Team (CERT), American Heart Association (AHA) Basic Life Support, and/or American Red Cross (ARC) First Aid and CPR. ***Prerequisite: Introduction to Law and Justice 43.4300091***

43.4330093 *CRIMINAL INVESTIGATION AND FORENSICS (ECHS Only)

This course will provide students with an opportunity to explore the basic processes and principles of forensic science as it relates to criminal investigation. Students will learn the importance of the identification, collection, and processing of evidence and of its contribution to the criminal investigation. Students will learn of the legal responsibilities and challenges which the forensic investigator may encounter. Students will also learn of the role of the criminal investigator. Included in this course will be the importance of preserving and documenting the crime scene and enabling the investigator to analyze evidence and its relationship to the crime. The student will also study interviews and interrogations and how those statements are used as evidence in court. Students will express understanding of their knowledge by composing clear, concise, and thorough investigative reports, indicating a successful conclusion to an investigation. ***Prerequisites: Introduction to Law and Justice 43.4300091 and Law, Community Response and Policing 43.4350092***

43.4360099 HOMELAND SECURITY (ECHS Only)

This course examines homeland security and terrorism - domestically and internationally. The development of the U.S. Department of Homeland Security will be examined in the context of the global terrorist threat and the more general concept of homeland security. Emphasis is on the identification and understanding of appropriate definitions and concepts so that students may critically evaluate the threats present and the range of responses available in our democratic society. A basic overview of historical foundations will be examined. The relationship of homeland security to preparation and response and recovery mechanisms for terrorism, including goals, objectives, and strategies, will be explored. The importance of coordinating various plans and strategies among local, state, and federal government response organizations will be stressed. Great emphasis will be placed on contemporary case studies and interactive discussions. Students will review the roles and responsibilities of government agencies, non-government organizations, and individual citizens in homeland security. ***Prerequisites: Introduction to Law and Justice 43.4300091 and Law, and Community Response and Policing 43.4350092***

NAVY JROTC PATHWAY (SEHS ONLY)

28.4220091 *NAVAL SCIENCE I: INTRODUCTION TO NJROTC

The purpose of this course is to combine all information on military drill and ceremonies, uniform regulations, physical fitness, orienteering, principles of health, first aid, survival, leadership, and communications. Minimum performance requirements of this course are in accordance with current Chief of Naval Education Training Instruction, NAVEDTRA 37128. The performance standards in this course are based on the performance standards identified in the curriculum for the United States Navy Junior Reserve Officer Training Corps. Successful completion of three courses of credit will qualify the student for advanced placement in a college ROTC program or accelerated promotion in the military service.

28.4240092 *NAVAL SCIENCE II: NAUTICAL SCIENCE

The purpose of this course is to help students understand the missions, goals, and opportunities available as members of the NJROTC program. This course will also introduce students to the basic principles of leadership, which combined with the many opportunities for practical experience in the NJROTC program will prepare them for leadership roles in school and upon graduation. Students will gain an understanding of our nation, our values, traditions, heritage, respect for our laws, as well as becoming involved, responsible citizens. Minimum performance requirements of this course are in accordance with current Chief of Naval Education Training Instruction, NAVEDTRA 37128. The performance standards in this course are based on the performance standards identified in the curriculum for the United States Navy Junior Reserve Officer Training Corps. Successful completion of three courses of credit will qualify the student for advanced placement in a college ROTC program or accelerated promotion in the military service.

28.4260093 *NAVAL SCIENCE III NAVAL ORIENTATION AND SKILLS

The purpose of this course is to build on the general introduction provided in Naval Science I, to further develop the traits of citizenship and leadership in students, introduce cadets to the maritime history of the world and the United States from the American Revolution through the present time. The material includes Bosnia, the demise of the Soviet Union, and the September 11, 2001 terrorists' attack upon the United States. Minimum performance requirements of this course are in accordance with current Chief of Naval Education Training Instruction, NAVEDTRA 37128. The performance standards in this course are based on the performance standards identified in the curriculum for the United States Navy Junior Reserve Officer Training Corps. Successful completion of three courses of credit will qualify the

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student for advanced placement in a college ROTC program or accelerated promotion in the military service.

28.4270094 **NAVAL SCIENCE IV NAVAL LEADERSHIP AND ETHICS**

The purpose of this course is to introduce the various nautical sciences through classroom work and some laboratory time. The development of core skills that students should master is integrated throughout the course and includes geography, oceanography, astronomy, physical science, meteorology, and weather. Minimum performance requirements of this course are in accordance with current Chief of Naval Education Training Instruction, NAVEDTRA 37128. The performance standards in this course are based on the performance standards identified in the curriculum for the United States Navy Junior Reserve Officer Training Corps. Successful completion of three courses of credit will qualify the student for advanced placement in a college ROTC program or accelerated promotion in the military service.

AIR FORCE JROTC PATHWAY (ECHS ONLY)

28.4110091 ***AEROSPACE SCIENCE: A JOURNEY INTO AVIATION HISTORY & LEADERSHIP I**

The aviation history course provides focuses on the development of flight throughout the centuries. Emphasis is on civilian and military contributions to aviation, including WW I, WW II, and Desert Shield/Desert Storm. The leadership course introduces cadets to the AFJROTC program, providing a basis for progression through the rest of the program while instilling elements of good citizenship. It includes organization structure, uniform wear, customs, courtesies, military traditions, self-control, integrity, and service before self. Cadets will also take Wellness/Presidential Physical Fitness. *This course is designed for first year cadets.*

28.4120092 ***AEROSPACE SCIENCE: SCIENCE OF FLIGHT AND LEADERSHIP II**

This is a science course designed to acquaint second year students with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. The course begins with a discussion of the atmosphere and weather. After developing an understanding of the environment, how that environment affects flight is introduced. The leadership course stresses communications skills and cadet corps activities. Emphasis is on communicating effectively, understanding groups and teams, and preparing for leadership. Cadets will also take Wellness/Presidential Physical Fitness. *This course is*

designed for second year cadets. Prerequisite: Aerospace Science 28.4110091.

28.4140094 AEROSPACE SCIENCE: WORLD GEOGRAPHY AND LEADERSHIP IV

World Geography is designed to allow third and fourth year students an opportunity to explore and discover the processes that shape the earth, the relationships between people and environment, and the links between people and places. The leadership course, Principles of Management, provides exposure to the fundamentals of management. It contains many leadership topics the will benefit students and provide them with necessary skills needed to put into practice what they have learned. Cadets will also take Wellness/Presidential Physical Fitness. *Prerequisite: Aerospace Science 28.4110092.*

Successful completion of at least 3 units of credit (one per year minimum) of the AFJROTC classes will qualify the students for advanced placement in a college ROTC program or accelerated promotion as an enlisted member in the military services.

ADVISORS: The AFJOTC curriculum includes a *Wellness Curriculum*

The Wellness Curriculum is an official part of the Air Force Junior ROTC program intended for all cadets. It is an exercise program focused upon individual base line improvements with the goal of achieving a national standard as calculated with age and gender. Wellness is instrumental in developing citizens of character dedicated to serving our nation and communities. The program is provided as a tool to help develop individualized training programs for cadets. Cadets will be given the opportunity to put into practice the wellness concepts that are taught. Instructors are free to include other activities cadets enjoy such as team sports in order to keep the Wellness Program fun and motivating. The Presidential Physical Fitness test is administered to all cadets at the beginning and end of the year.

PROGRAM CONCENTRATION: HEALTHCARE SCIENCE

THERAPEUTIC SERVICES - NURSING PATHWAY (Non-traditional pathway for males)

25.4210091 *INTRODUCTION TO HEALTHCARE SCIENCE

Introduction to Healthcare Science is a foundations course for the Therapeutic Services Career Pathway. It is appropriate for students wishing to pursue a career in the Healthcare Industry. The course will enable students to receive initial exposure to Healthcare Science skills and attitudes applicable to the healthcare industry. The concepts of health, wellness, and preventative care are evaluated, as well as, ethical and legal responsibilities of today's

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healthcare provider. Fundamental healthcares skills development is initiated including medical terminology, microbiology, and basic life support. Students are required to meet both national and intrastate professional guidelines as designated by applicable regulatory agencies such as the Occupational Health and Safety Administration (OSHA) and Center for Disease Control (CDC). Mastery of these standards through project based learning, technical skills practice, and leadership development activities of the career and technical student organization -Health Occupations Students of America (HOSA) will provide students with a competitive edge for either entry into the healthcare global marketplace and/or the post-secondary institution of their choice to continue their education and training. This course is considered broad-based with high impact and is a prerequisite for all Healthcare Science Education courses. *This is the required introductory course in this career pathway.*

25.4220092 *APPLICATION OF THERAPEUTIC SERVICES

Applications of Therapeutic Services is an intermediate course for the Therapeutic Services Career Pathway and is designed to provide an overall framework of basic skills utilized in the provision of direct client care. Monitoring and evaluating client status includes assessment techniques such as vital signs, as well as, the application of mathematical concepts appropriate to clinical expectations and/or work-based learning. The function and fundamental pathophysiology of each body system is evaluated prior to community first aid and basic life support techniques which are expanded to include rescue skills for infants and children. Students continue with the development of individual career portfolios utilizing postsecondary program research, employability skills, and /or work based learning and may receive recognition for their accomplishments through a variety of venues locally, regionally, and nationally such as the American Red Cross, American Heart Association, Health Occupations Students of America (HOSA), and the National Consortium on Health Science and Technology Education (NCHSTE). Upon completion of this course and pre-requisites students who successfully master these standards will be eligible to sit for a National Certificate of Proficiency or Mastery, issued in partnership between NCHSTE and National Occupational Competency Testing Institute (NOCTI). *Prerequisite: Introduction to Healthcare Science 25.521009.*

25.5610093 *NURSING ESSENTIALS (Career Academy only)

This course is designed to provide students interested in the Therapeutic Services Pathway's Career Specialty Nursing with entry level skills most commonly associated with the entry level career title Nursing Assistant. Twenty-four (24) hours of clinical experience under the supervision of the instructor (s) in a nursing home are required. Clinicals will be scheduled in eight-hour shifts on weekends. Students not successfully completing the clinical will not be eligible to take the state exam mentioned on the next page. The students are required to meet both national and intrastate professional guidelines as designated by applicable regulatory agencies such as the Occupational Health and Safety Administration

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(OSHA), Center for Disease Control (CDC), the department of Health and Human Services (HHS) with a specific focus on the Omnibus Budget Reconciliation Act 1987 (OBRA), and the Health Insurance Portability and Accountability Act of 1996 (HIPAA). This course with prerequisites meets the Certified Nurse Assistant curriculum content as specified by the Georgia Medical Care Foundation. Students meeting all academic, attendance, and age requirement may elect to sit for the Georgia Registry's Examination. Successful completion of the Georgia Registry Examination allows students to seek employment in the state of Georgia as a Certified Nursing Assistant. Students passing the Georgia Registry's Examination will receive the certification when they reach the age of 18. (This is a two period class worth two credits.) ***Prerequisites: Introduction to Healthcare Science 25.5210091 and Applications of Therapeutic Services 25.5220092.***

NOTE: Students enrolling in the Therapeutic Services - Nursing Career Pathway must realize that background information regarding discipline or law enforcement infractions may limit participation in the program concentration. Students with medical conditions, including pregnancy that may create a liability situation for an employer, will receive an alternate assignment in lieu of the clinical lab experience. Also, due to off-campus laboratory experiences, students enrolling in this course must possess a valid driver's license and have their own personal transportation. A copy of the driver's license and proof of insurance will be required before leaving campus.

THERAPEUTIC SERVICES - MEDICAL SERVICES PATHWAY (Non-traditional pathway for males)

25.4210091 *INTRODUCTION TO HEALTHCARE SCIENCE

Introduction to Healthcare Science is a foundations course for the Therapeutic Services Career Pathway. It is appropriate for students wishing to pursue a career in the Healthcare Industry. The course will enable students to receive initial exposure to Healthcare Science skills and attitudes applicable to the healthcare industry. The concepts of health, wellness, and preventative care are evaluated, as well as, ethical and legal responsibilities of today's healthcare provider. Fundamental healthcare skills development is initiated including medical terminology, microbiology, and basic life support. Students are required to meet both national and intrastate professional guidelines as designated by applicable regulatory agencies such as the Occupational Health and Safety Administration (OSHA) and Center for Disease Control (CDC). Mastery of these standards through project based learning, technical skills practice, and leadership development activities of the career and technical student organization -Health Occupations Students of America (HOSA) will provide students with a competitive edge for either entry into the healthcare global marketplace and/or the post-secondary institution of their choice to continue their education and training. This course is considered broad-based with high impact and is a prerequisite for

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all Healthcare Science Education courses. *This is the required introductory course in this career pathway.*

25.4220092 *APPLICATION OF THERAPEUTIC SERVICES

Applications of Therapeutic Services is an intermediate course for the Therapeutic Services Career Pathway and is designed to provide an overall framework of basic skills utilized in the provision of direct client care. Monitoring and evaluating client status includes assessment techniques such as vital signs, as well as, the application of mathematical concepts appropriate to clinical expectations and/or work-based learning. The function and fundamental pathophysiology of each body system is evaluated prior to community first aid and basic life support techniques which are expanded to include rescue skills for infants and children. Students continue with the development of individual career portfolios utilizing postsecondary program research, employability skills, and /or work based learning and may receive recognition for their accomplishments through a variety of venues locally, regionally, and nationally such as the American Red Cross, American Heart Association, Health Occupations Students of America (HOSA), and the National Consortium on Health Science and Technology Education (NCHSTE). Upon completion of this course and pre-requisites students who successfully master these standards will be eligible to sit for a National Certificate of Proficiency or Mastery, issued in partnership between NCHSTE and National Occupational Competency Testing Institute (NOCTI). *Prerequisite: Introduction to Healthcare Science 25.5210091.*

25.5250094 *GENERAL MEDICINE (Career Academy only)

The course is designed to offer students (preferably upper classmen -juniors or seniors) the opportunity to become effective and efficient multi-skilled healthcare providers as they develop a working knowledge of each of the major departments of the average acute care setting/hospital, including but not limited to: Orthopedics, Cardiology, Diagnostic Imaging, MedSurg, Gastroenterology, Urology, and Customer Care Services. Students focusing on a career path in medicine (Pre-Med) or on a career in one of the ancillary departments noted above will apply classroom/lab knowledge and skills in the clinical setting as they participate in direct client care. The work-based learning strategy appropriate for this course is a minimum 40-hour clinical practicum. Clinicals will be scheduled in eight-hour shifts on weekends. (This is a two period class worth two credits.) *Prerequisites: Introduction to Healthcare Science 25.5210091 and Applications of Therapeutic Services 25.5220092*

NOTE: Students enrolling in the Therapeutic Services - Medical Services Career Pathway must realize that background information regarding discipline or law enforcement infractions may limit participation in the program concentration. Students with medical conditions, including pregnancy that may create a liability situation for an employer, will receive an alternate assignment in lieu of the clinical lab experience.

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Also, due to off-campus laboratory experiences, students enrolling in this course must possess a valid driver's license and have their own personal transportation. A copy of the driver's license and proof of insurance will be required before leaving campus.

HEALTH INFORMATICS PATHWAY (Non-traditional pathway for males)

25.4210091 *INTRODUCTION TO HEALTHCARE SCIENCE

Introduction to Healthcare Science is a foundations course for the Therapeutic Services Career Pathway. It is appropriate for students wishing to pursue a career in the Healthcare Industry. The course will enable students to receive initial exposure to Healthcare Science skills and attitudes applicable to the healthcare industry. The concepts of health, wellness, and preventative care are evaluated, as well as, ethical and legal responsibilities of today's healthcare provider. Fundamental healthcare skills development is initiated including medical terminology, microbiology, and basic life support. Students are required to meet both national and intrastate professional guidelines as designated by applicable regulatory agencies such as the Occupational Health and Safety Administration (OSHA) and Center for Disease Control (CDC). Mastery of these standards through project based learning, technical skills practice, and leadership development activities of the career and technical student organization -Health Occupations Students of America (HOSA) will provide students with a competitive edge for either entry into the healthcare global marketplace and/or the post-secondary institution of their choice to continue their education and training. This course is considered broad-based with high impact and is a prerequisite for all Healthcare Science Education courses. *This is the required introductory course in this career pathway.*

25.4910092 *MEDICAL TERMINOLOGY IN HEALTHCARE SYSTEMS

This course provides students with further development of the fundamentals of medical terminology as it relates to health informatics. Included in this course is a basic study of the disease process with emphasis on diagnosis and treatment in which students are able to enrich the medical terminology study in an applied manner. The knowledge and skills gained this course will provide students entering many aspects of healthcare with a deeper understanding of the application of the language of health and medicine. The course concludes with students demonstrating their abilities to accurately locate and interpret information on clients' health record, as well as interpreting and transcribing medical orders/reports.

25.4920093 *APPLICATIONS OF HEALTH INFORMATICS

In this course, health data content and structure are analyzed in a variety of major

healthcare delivery systems. The purpose, utilization, ownership, and evolution of clients' medical records are analyzed. Medicolegal issues surrounding the management, storage, retrieval, and release of medical records are examined including new legal issues surrounding current electronic and imaging technology developments and trends in health information records management. Health information technology professional accrediting agencies are discussed as students initiate and enhance their professional growth by participating in leadership development activities provided by Health Occupations Students of America (HOSA) which are integrated throughout the course. Students will develop health information management career skills utilized within health unit coordination, patient access/admissions, and medical coding. Upon successful completion of this course, students will be eligible to apply skills in a healthcare facility setting.

PROGRAM CONCENTRATION: MARKETING, SALES, AND SERVICE

TRAVEL MARKETING AND LODGING MANAGEMENT PATHWAY

**08.5740091 *MARKETING PRINCIPLES (Career Academy Only)*

Marketing Principles is the **foundational course** for all pathways in Marketing Education. Marketing Principles addresses all the ways in which marketing satisfies consumer and business needs and wants for products and services. Students develop an understanding of the functions of marketing and how these functional areas affect all businesses. They learn basic marketing concepts and the role of marketing in our economy. Students also develop skills in applying economic concepts to marketing, distribution and logistics, marketing information management, finance in marketing, product/service planning, pricing mixes, promotional strategies, and personal selling.

In order to increase the number of application experiences, students should participate in work-based learning activities and the student organization, DECA, An Association of Marketing Students. It is highly advantageous for students to participate in a school-based enterprise where available. (This is a two period class worth two credits.) ***This is the required introductory course in this career pathway.***

*08.5300092 *DISCOVERING HOSPITALITY AND TOURISM MARKETING (Career Academy Only)*

This course introduces the student to the major segments of the travel industry. The course will investigate the economic impact the three components have on the local, state, national, and global economies. The products, services, and packages offered to business and leisure travelers by different types of businesses within the industry are examined.

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Utilizing current technology, the Internet, and software packages, the student will develop a tour package and marketing plan for a selected niche market that incorporates appropriate promotional and pricing strategies, thus ensuring business profitability.

Competencies for the competitive events offered by DECA are directly aligned to the national and state standards for Marketing Education. Therefore, DECA competitive events will be offered to provide students the opportunity to apply the technical and core employability skills learned in the classroom. (This is a two period class worth two credits.)

Prerequisite: Marketing Principles 08.4740091

08.5370093

**HOSPITALITY AND TOURISM MANAGEMENT (Career Academy Only)*

This course will focus on the leadership and supervision of employees in the travel, tourism, and hospitality industries as well as the management of operations in this industry. The course emphasizes the application of management level decision-making skills in hotel/lodging, human resources, food and beverage, and travel/tourism operations. The course will allow students to investigate trends, technology, and customs in the hospitality industry while focusing on the development of customer service skills. Competencies for DECA are integral components of both core employability skill standards and the technical skills standards, and DECA activities will be incorporated throughout the instructional strategies developed for the course.

(This is a two period class worth two credits.) Prerequisite: Discovering Hospitality and Tourism Marketing

STUDENTS INQUIRING ABOUT THESE PROGRAMS

WORK BASED LEARNING

This is for students 16 years or older. This program allows students to receive high school credit while developing skills in the workplace. Students do not have to have employment prior to entering this program; however, the student should have a job in his/her program concentration area to participate. Work Based Learning opportunities include internships, co-ops, clinicals, and youth apprenticeships. Students in this program must have a driver's license and student parking permit.

Students interested in work-based learning should see the Work-Based Learning instructor for an application, additional information, and regulations. If you have questions it is best to refer the student to the Work-Based Learning instructor or the CTAE Supervisor. Students must be at least 16 years of age, possess a driver's license, and have personal transportation to participate in this program.

DUAL ENROLLMENT

This program allows students 16 years and older to take courses for high school and college credit. Students must meet enrollment requirements of the college and also be a current student at Effingham County High School / South Effingham High School. Currently, dual enrollment courses that will be offered with Savannah Technical College are in the areas of Cosmetology and Welding. Should additional offerings be made available, students will be notified. Please see your counselor for more information.

COSMETOLOGY (Non-traditional pathway for males)

12.5450491	Cosmetology Services Core I
12.5460492	Cosmetology Services Core II
12.5480493	Cosmetology Services Core III
12.5490494	Cosmetology Services Core IV

ADVISORS: STUDENTS MUST REGISTER FOR BOTH FALL AND SPRING SEMESTERS FOR THIS DUAL ENROLLMENT PROGRAM. COURSES CANNOT BE DROPPED MID-SEMESTER.

STUDENTS WHO PURSUE THIS CAREER PATHWAY SHOULD UNDERSTAND THAT ADDITIONAL COURSE WORK MAY BE REQUIRED BEYOND GRADUATION IN ORDER TO EARN THE TECHNICAL CERTIFICATE OF CREDIT. STUDENTS WILL BE REQUIRED TO ABIDE BY THE TECHNICAL COLLEGE'S ACADEMIC CALENDAR AND ATTENDANCE POLICY BOTH OF WHICH MAY DIFFER SIGNIFICANTLY FROM THE HIGH SCHOOL CALENDAR AND ATTENDANCE POLICY. INVOLVEMENT IN CERTAIN ATHLETIC SPORTS MAY LIMIT PARTICIPATION IN DUAL ENROLLMENT.

WELDING (Non-traditional pathway for females)

48.5510091	Welding I
48.5520092	Welding II
48.5530093	Welding III
48.5540094	Welding IV

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