GLYNN COUNTY

CAREER, TECHNICAL AND AGRICULTURAL EDUCATION

COURSE DESCRIPTIONS

2012-2013 School Year

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Course	Course Name	Site	Pathway	Course Description
	Agriculture Program Concentration			
2.47100	Basic Agricultural Science and Technology	BHS, GA	Component of all agriculture pathways	This course is designed as an introduction or support course for the Agriscience Pathway Program of Study. The 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. Activities are supplemented through supervised agricultural experiences and leadership programs.
1.46100	General Horticulture and Plant Science	GICA	Plant Science/ Horticulture	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.
1.47000	Nursery and Landscape	GICA	Plant Science/ Horticulture	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.
2.42100	Animal Science Technology/ Biotechnology	GICA	Agriscience	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. Introduces scientific principles applied to the animal industry; covers reproduction, production technology, processing, and distribution of agricultural animal products.
3.45300	Wildlife Management	GICA	Forestry/ Natural Resources	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.
1.46200	Floriculture Production and Management	GICA	Other GPS Ag Course	This course is designed to introduce students to the principles and practices of floriculture production. Students will develop floriculture skills and the basic understanding necessary to be successful in entry-level positions in the floriculture industry. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.
2.44100	Plant Science and Biotechnology	GICA	Agriscience	Plant science is a basic component of the agriscience pathway. This course introduces students to the scientific theories, principles, and practices involved in the production and management of plants for food, feed, fiber, conservation and ornamental use. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.
2.42300	Small Animal Care	GICA	Veterinary Science	The goal of this course is to provide students with skills and concepts involved with the care and management of companion animals. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.
2.42400	Veterinary Science	GICA	Veterinary Science	The agricultural education course in veterinary science covers the basics of animal care. Topics covered include disease, parasites, feeding, shelter, grooming, and general animal care. The target population is career preparatory students desiring to continue their education after high school or to enter the workforce after graduation from high school. College preparatory students benefit from the course as an elective if they plan to enter college and purse a degree to enter the veterinary profession. This course allows students entering the workforce after graduation to develop entry-level skills to become employed and to continue their education on the job.
	Architecture, Construction, Communications, & Transportation Program Concentration			
10.51110	Broadcast/Video Production 1	GICA	Broadcast/Video Production	This one credit course is the first in a pathway that prepares the student for employment or entry into a postsecondary education program in the Broadcast/Video Production career field. Topics covered may 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.

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10.51210	Broadcast/Video Production 2	GICA	Broadcast/Video Production	This one credit course is the second in a series to prepare for a career in Broadcast/Video production and/or 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.
10.51310	Broadcast/Video Production 3	GICA	Broadcast/Video Production	This one credit 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.
10.51410	Broadcast/Video Production Applications	GICA	Other GPS ACCT Course	Broadcast/Video Production Applications is the fourth course in the BVP pathway and is designed to assist students in mastering skills necessary to gain entry level employment or to pursue a post-secondary degree or certificate. Topics include advanced camcorder techniques, audio production, scriptwriting, producing, directing, editing, employability skills, and development of a digital portfolio to include resume, references, and production samples.
11.42800	Introduction to Animation and 3d Design	GICA	Other GPS Business and Computer Science Course	Introduction to Animation and 3d Design is a foundations course that serves as an introduction to the animation and 3d design industry. Emphasis is placed on career awareness, fundamentals of modeling, storyboard creation, cameras and lighting. Students will learn how 3d technology is used for film, broadcast and games and how it is rapidly becoming the medium of choice for industrial design, military simulations, and medical visualization. The standards are aligned with the interactive media standards in Georgia's technical colleges, thus helping to qualify students for advanced placement should they continue their education at the postsecondary level. Competencies for the co-curricular student organization, SkillsUSA, are integral components of both the core employability skills standards and the technical skills standards, and SkillsUSA activities should be incorporated throughout instructional strategies developed for the course.
47.56500	Introduction to Collision Repair	GICA	Collision Repair	Introduction to Collision Repair is the prerequisite to all other courses in the collision repair pathway. Employment opportunities in the collision repair field will be explored. In this course the student will be exposed to all areas of collision repair and automotive refinish such as safety, refinishing, metal repair, plastic repair, automotive construction, and estimate reading and writing.
47.56600	Painting and Refinishing I	GICA	Collision Repair	Painting and Refinishing I is the first course in the painting and refinishing strand of the collision repair that will teach the student skills and knowledge that will help him or her obtain a career in the automotive refinish industry. The student will learn theory, as well as hands on application in a project based setting. This training will give successful completers basic skills and knowledge to obtain an entry level job in the automotive refinish field.
47.56700	Painting and Refinishing II	GICA	Collision Repair	Painting and Refinishing II is the second course in painting and refinishing strand of the collision repair pathway that will teach the student skills and knowledge that will help him or her obtain a career in the automotive refinish industry. The student will learn theory, as well as hands on application in a project based setting.
47.56800	Non Structural Analysis & Damage Repair I	GICA	Collision Repair	Non Structural Analysis and Damage Repair I is the first course in the non structural strand of the collision repair career pathway that will teach the student skills and knowledge that will help them obtain a career in the automotive body repair industry. The student will learn theory as well as hands on application in a project based setting. This training will give successful completers basic skills and knowledge to obtain an entry level job in the field of non structural damage repair.
47.56900	Non Structural Analysis & Damage Repair II	GICA	Collision Repair	Non Structural Damage and Body Repair II is the second course in the non structural strand of the collision repair career pathway that will teach the student skills and knowledge that will help them obtain a career in the automotive body repair industry. The student will learn theory as well as hands on application in a project based setting. This training will give successful completers basic skills and knowledge to obtain an entry level job in the field of non structural damage repair.
47.57000	Mechanical & Electrical Components I	GICA	Other GPS ACCT Course	Mechanical and Electrical Components 1 is the first of two courses in the structural damage and repair career strand through which the student will learn how mechanical and electrical components are affected in a collision and how to repair or replace them after a collision.

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47.57200	Mechanical & Electrical Components II	GICA	Other GPS ACCT Course	Mechanical and Electrical Components II is the second of two courses in the structural damage and repair career strand. The student will learn how mechanical and electrical components are affected in a collision and how to repair or replace them after a collision.
47.57300	Structural Analysis and Damage Repair I	GICA	Other GPS ACCT Course	Structural Analysis and Damage Repair 1 is the starting point in the Structural Repair career pathway. This course will prepare the student for an entry level position in a specialized area of Collision Repair. The student will learn, through theoretical and practical applications, to analyze and restore vehicle structural damage to factory specifications.
47.57400	Structural Analysis and Damage Repair II	GICA	Other GPS ACCT Course	The student will continue to learn, through theoretical and practical applications, to analyze and restore vehicle structural damage to factory specifications.
46.54500	Occupational Safety and Fundamentals	GICA	Construction	This course is the foundational course that prepares students for a pursuit of any career in the field of construction. It prepares the student for 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.
46.54600	Introduction to Construction	GICA	Construction	This course is preceded by the Occupational Safety and Fundamentals course. This course offers an opportunity for students to build on their knowledge and skills developed in Occupational Safety. 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 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.
46.55000	Carpentry I	GICA	Construction	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 craftsperson.
46.55100	Carpentry II	GICA	Construction	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.
46.56000	Electrical I	GICA	Construction	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 knowledge of conduit bending and installation.

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Course	Course Name	Site	Pathway	Course Description
46.56100	Electrical II	GICA	Construction	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 and industrial construction and maintenance, and covers the electrical devices and wiring techniques common to residential construction and maintenance.
46.57000	Masonry I	GICA	Construction	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 provides the knowledge of types and properties of mortar and materials used in a concrete mixture.
46.57100	Masonry II	GICA	Construction	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.
46.58000	Plumbing I	GICA	Construction	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. Included is the basic skills and knowledge required to handle, estimate, and store materials used in the plumbing trade. Involved is the correct interpretation and application of basic information from architectural and construction working drawings, especially as related to plumbing installation.
46.58100	Plumbing II	GICA	Construction	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.
48.56100	Introduction to Graphics and Design	GICA	Graphic Design; Graphic Communications	In this course, high school 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 is defined as the processes and industries that create, develop, produce, and disseminate products utilizing or incorporating words or pictorial images to convey information, ideas, and feelings. GC products facilitate learning, enjoyment, motivation, and commerce. 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.
48.56200	Graphic Design and Production	GICA	Graphic Design; Graphic Communications	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.

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48.56900	Graphic Output Processes	GICA	Graphic Communications	Students gain experience in successfully completing the output processes of various projects in an increasingly independent manner from direct teacher control. 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.
48.52800	Advanced Graphic Design	GICA	Graphic Design	Students will continue to explore the principles of design and layout procedures as they relate to graphic design. Content will cover electronic systems and software programs used in graphic design, page composition, image conversion, and digital printing. 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.
46.54500	Occupational Safety and Fundamentals	GICA	Metals Technology	This course is the foundational course that prepares students for a pursuit of any career in the field of construction. It prepares the student for 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.
48.58100	Introduction to Metals	GICA	Metals Technology	The metals technology curriculum, Introduction to Metals, is designed to acquaint participants with the three major technical occupations (welding, sheet metal, and machining) that are available in the metal forming, manufacturing, and metals/construction industries. The various activities equip high school students with the skills needed to select a metal industry occupation, enter the work force, and continue to advance in one of these specialized metals occupations. Experiences include an introduction to the basic requirements of each of these fields, exposure to the structure and nature of career opportunities, and an introduction to types of training and skills required and the use of specialized tools, equipment, and materials. Approximately one-third of students' time is invested in the technical aspects of the occupation with the majority of their time (two-thirds) committed to performance-based, metals-related lab activities. This course is designed to familiarize students with fundamentals of various metal occupations for the purpose of preparing them to select either welding, sheet metal, or machining for more highly specialized training in subsequent courses.
48.59000	Machining Operations I	GICA	Metals Technology	The metals technology curriculum, Metals I This course will provide opportunities for students to acquire introductory skills on the lathe and milling machine, equipment used in the trade, attributes of successful machinists, industry credentialing, and career opportunities. Course topics include safety, measuring instruments, blueprint reading, and maintenance. Practical experience will be gained in the proper use and maintenance of hand tools, the pedestal grinder, the drill press, and band saws, job planning and management, quality control, and machinery maintenance.
48.59100	Machining Operations II	GICA	Metals Technology	This course will provide opportunities for students to acquire introductory skills on the lathe and milling machine. Course topics include safety, blueprint reading, job planning and management, quality control, and machinery maintenance.
48.59200	Machining Operations III	GICA	Other GPS Course	This course will provide opportunities for students to continue skills development on the lathe and milling machine. Course topics include safety, blueprint reading, job planning and management, quality control, and machinery maintenance.
48.59300	Machining Operations IV	GICA	Other GPS Course	This course will provide opportunities for students to continue skills development on the lathe and milling machine. Course topics include safety, blueprint reading, job planning and management, quality control, and machinery maintenance.
48.59400	Machining Operations V	GICA	Other GPS Course	The goal of this course is to provide all students with an understanding of CNC (computer numerical control) Lathe. Course topics include safety, lathe operations, milling operations, and machine maintenance.
48.59500	Machining Operations VI	GICA	Other GPS Course	The goal of this course is to provide all students with an understanding of CNC (computer numerical control) Milling. Course topics include safety, lathe operations, milling operations, and machine maintenance.
48.55100	Welding I	GICA	Metals Technology	This course is designed to provide all students with the basic knowledge and safe operating skills needed to demonstrate proper set of equipment in oxyfuel and shielded metal arc welding (SMAW). In oxy-fuel area of study students will create accurate cuts and perform washing and gouging procedures. Students will learn to critique their work pieces by welding codes, identifying imperfections, common test methods, and evaluate setups to determine proper setup of work and equipment. In SMAW students will learn and model proper safety and learn to make judgment calls in selection of electrodes and metal preparation to create beads and fillet welds using various rods.

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48.55200	Welding II	GICA	Metals Technology	This course is designed to provide all students with the basic knowledge and safe operating skills required to perform industry entry-level skills in the use of shielded metal arc welding equipment (SMAW) and an introduction to gas metal arc welding (GMAW) setup and operations. In SMAW welding students will produce welds using 6010 and 7018 electrodes in the flat (1F), horizontal (2F), and vertical (3F) fillet welds using the procedure in the flat, vertical, and horizontal positions using E-6010 and E-7018 electrodes. In GMAW welding students will produce fillet welds in the flat (1F) position.
48.55300	Welding III	GICA	Other GPS Course	This course is designed to provide all students with the basic knowledge and safe operating skills required to perform more advance industry entry-level skills in the use of Gas Metal Arc Welding (GMAW), introduction to Flux Cored Arc Welding (FCAW) process, and arc cutting and gouging processes using Plasma Arc and Air Carbon Arc equipment. In GMAW processes students will create fillet welds in the flat (1F), horizontal (2F), and vertical (3F) positions. In FCAW students will learn and demonstrate equipment setup and create fillet welds in the flat (1F) position. Course will also provide the student access to other cutting processes which include Plasma Arc, Air Carbon Arc Cutting and Gouging procedures.
48.55400	Welding IV	GICA	Other GPS Course	The goal of this course is to provide all students with the basic knowledge and safe operating skills in the use of Flux Core Arc Welding equipment to produce fillet welds. This course will also provide all students with the basic knowledge and safe operating skills in the Introduction to Gas Tungsten Arc Welding equipment.
48.55500	Welding V	GICA	Other GPS Course	The goal of this course is to provide all students with the basic knowledge and safe operating skills in the use of Gas Tungsten Arc Welding equipment to produce fillet welds on carbon and /or stainless steels. This course will also provide the student with the basic knowledge and safe operating skills needed to introduce the student to Gas Tungsten Arc Welding of aluminum.
48.55600	Welding VI	GICA	Other GPS Course	The goal of this course is to provide all students with the basic knowledge and safe operating skills in the use of Gas Tungsten Arc Welding equipment to produce fillet welds on aluminum in the flat (1F), horizontal (2F), and vertical (3F) positions. This course will also provide the student with the basic knowledge and skill necessary to prepare for welding certification.
47.57100	Foundations of Transportation & Logistics	GICA	Transportation Logistical Support; Transportation Logistical Operations	Foundations of Transportation & Logistics is the beginning course for the Transportation Logistical Pathways. It 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.
47.57600	Electrical/ Electronic Systems and Design	GICA	Transportation Logistical Support; Transportation Logistical Operations	Electrical/ Electronic Systems and Design in Logistics 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.
47.57910	Heating, Ventilation and Air Conditioning Concepts	GICA	Transportation Logistical Operations	Heating, Ventilation, and Refrigeration (HVACR) Concepts is a course in the Transportation Logistical Operation Pathway. 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.
47.57700	Chassis System and Design	GICA	Transportation Logistical Support	Chassis System and Design (Brake & Steering) is a course for the Transportation Logistical Support Pathway. The 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.

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47.57800	Preventative Maintenance Inspection	GICA	Other GPS Course	Preventative Maintenance Inspection is a course in the Transportation Logistical Operations Pathway. The course will help students build a strong scientific knowledge base and develop skills related to preventative maintenance 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.
47.57900	Engine Performance Concepts	GICA	Other GPS Course	Engine Performance Concepts is a course for the Transportation Logistical Support Pathway. 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.
	Business and Computer Science Program Concentration			
7.44110	Computer Applications 1	BHS, GA	Administrative/ Information Support	The goal of this course is to provide an understanding and application of social, ethical, and human issues related to technology. The course will also 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. In this course, high school students can 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.
6.41600	Business Essentials	BHS, GA	Small Business Development; Financial Mgt Services	Business Essentials is a foundations course for the Small Business Development Career Pathway. It 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 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.
11.41300	Computing in the Modern World	BHS, GA	Interactive Media	The goal of this course is to provide all students with an introduction to the principles of computer science and its place in the modern world. This course should also 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, high school students can acquire a fundamental understanding of the operation of computers and computer networks and create useful programs implementing simple algorithms. By developing Web pages that include images, sound, and text, they can acquire a working understanding of the Internet, common formats for data transmission, and some insights into the design of the human-computer interface. Exposure to career possibilities and discussion of ethical issues relating to computers should also be important threads in this course.
7.48310	Business Communication and Presentation	BHS, GA	Administrative/ Information Support	The goal of this course is to provide 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.
6.41500	Legal Environment of Business	GICA	Small Business Development	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.

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6.41700	Entrepreneurial Ventures	GICA	Small Business Development	Entrepreneurial Ventures is the third course in the Small Business Development Career 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.
11.43100	Fundamentals of Web Design	GICA	Interactive Media	Fundamentals of Web Design is the second course in the Interactive Media Career Pathway. This course will provide students with essential web page planning and development skills. Students will learn to write code manually and use graphical authoring tools. Students will also learn to work with web page layout and graphical elements, including images, hyperlinks, tables, forms, and frames.
11.43200	Advanced Web Design	GICA	Interactive Media	The goal of this course is to provide students with the study of advanced topics in web design. Computer in the Modern World and Beginning Web Design are both prerequisites for this course. Upon completion of this course, students should have a thorough knowledge of all areas of web page design. Topics include the web development process, advanced layout and design features, advanced study of scripting languages, site development with HTML editors, and web servers and databases. This course also prepares students to take the CIW Associate Design Specialist Certification.
7.42110	Banking and Investing	GICA	Financial Management	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.
7.42300	Insurance and Risk Management	GICA	Financial 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 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 can be 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.
7.44120	Computer Applications 2	GICA	Administrative/ Information Support	The goal of this course is to provide 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.
	Education Program Concentration			
13.01100	Examining the Teaching Profession	GICA	Teaching As A 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.

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Course	Course Name	Site	Pathway	Course Description
13.01200	Contemporary Issues in Education	GICA	Teaching As A Profession	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 or post-secondary institution of their choice to continue education and training.)
13.52100	Teaching as a Profession Internship	GICA	Teaching As A Profession	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.
20.52510	Introduction to Early Childhood Care and Education	BHS, Available to GA	Early Childhood 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 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.
20.42320	Human Growth and Development for Early Childhood	BHS, Available to GA	Early Childhood Education	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.
20.52610	Health, Safety and Nutrition for the Young Child	BHS, Available to GA	Early Childhood Education	This advanced course in consumer services focuses on the development of skills to enable students to work with consumers in a variety of consumer service settings. Skills are developed in such areas as working with individuals in the exercise of their consumer rights, credit counseling, and in the management of their resources. Students also develop skills in consumer communications and public relations, product testing and demonstration, and consumer advocacy. In order to ensure that students master these performance standards, it is recommended that some type of work-based learning component be incorporated. The students could participate in specially organized consumer services projects in the community, be concurrently enrolled in a Consumer Services Co-op/Internship, enrolled in an Internship prior to the completion of the program; or the students could participate in specially designed consumer services projects in a school-based setting.
20.52710	Early Childhood Education Internship	BHS, Available to GA	Early Childhood Education	The internship offers a candidate in the Early Childhood Education career pathway a field experience under the direct supervision of a certified early childhood educator (mentor). The internship stresses observing, analyzing, and classifying activities of the mentor and comparing personal traits with those of successful early childhood educators. 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 early childhood education, meet the needs of special education students, maintain the safety of the students, and practice professionalism and ethical behavior.
	Engineering & Technology Program Concentration			
21.42500	Foundations of Engineering and Technology	GICA	Engineering	Foundations of Engineering and Technology is the introductory course for all Georgia Engineering and Technology Education pathways. This course provides students with opportunities to develop fundamental technological literacy as they learn about the history, systems, and processes of invention and innovation.

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Course	Course Name	Site	Pathway	Course Description
21.47100	Engineering Concepts	GICA	Engineering	Engineering Concepts is second course in the engineering pathway. This course introduces students to the fundamental principles of engineering. Students learn about areas of specialization within engineering and engineering design, and apply engineering tools and procedures as they complete hands-on instructional activities.
21.47200	Engineering Applications	GICA	Engineering	Engineering Applications is the third course in the engineering pathway. Students have opportunities to apply engineering design as they develop a solution for a technological problem. Students use applications of mathematics and science to predict the success of an engineered solution and complete hands-on activities with tools, materials, and processes as they develop a working drawings and prototypes.
21.44100	Foundations of Manufacturing and Materials Science	GICA	Manufacturing	Foundations of Manufacturing and Materials Science is the introductory course for the Manufacturing career pathway. This course provides students with opportunities to become familiar with related careers and develop fundamental technological literacy as they learn about the history, systems, and processes of manufacturing. In addition, the course will provide an overview of the safe use of tools and equipment used in the industry.
21.44500	Robotics and Automated Systems	GICA	Manufacturing	Upon completing this course, students will be able to apply their knowledge of computer aided design (CAD), computer numerical control (CNC), robotics, computer assisted manufacturing (CAM), programmable logic controllers, automated guided vehicles (AGV), and computer integrated manufacturing (CIM).
21.44400	Production Enterprises	GICA	Manufacturing	The purpose of this course is to give students on understanding of how to design and implement a production system. Students learn how businesses engage in the production of products beginning with pre-production activities and continuing through post-production activities. Additionally, students will learn about the historical and societal impact of production. Students will also develop an understanding of careers available in manufacturing and the skills and education required for those careers.
	Family & Consumer Sciences Program Concentration			
20.41610	Food, Nutrition & Wellness	BHS, GA	Nutrition and Food Science	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.
20.41710	Food & Nutrition Through the Lifespan	BHS, GA	Nutrition and Food Science	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.
20.41810	Food Science	GA	Nutrition and 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.
	Government & Public Safety Program Concentration			
28.02100	JROTC Navy I: Naval Science: Cadet Field Manual	BHS	JROTC--Navy	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 all courses are based on the performance standards identified in the curriculum for the U.S. 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.
28.02200	JROTC Navy II: Naval Science: Introduction to NJROTC	BHS	JROTC--Navy	The purpose of this course is to help students understand the mission, 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. More importantly, this course will assist students in developing an understanding of our nation, our values, traditions, heritage, respect for our laws, and becoming informed responsible citizens.

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Course	Course Name	Site	Pathway	Course Description
28.02300	JROTC Navy III: Naval Science: Maritime History	BHS	JROTC--Navy	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 and ,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' attacks upon the United States.
28.02400	JROTC Navy IV: Naval Science: Nautical Sciences	BHS	JROTC--Navy	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 are based on successful completion accordance with and based on current Chief of naval Education Training instructions. The cadet will illustrate an understanding of maritime geography as it relates to national resources, landforms, climate, soil bodies of water, people governments, military, and geopolitics.
28.02500	JROTC Navy V: Naval Science: Naval Knowledge	BHS	JROTC--Navy	The purpose of this course is to further the foundation in citizenship and leadership established in Naval Science One and Two and to expound upon the virtues of United States citizenship with knowledge of uses of the world's waterways through the viewpoint of National power and International law.
28.02600	JROTC Navy VI: Naval Science: Naval Orientation and Skills	BHS	JROTC--Navy	The purpose of this course is to further the foundation in citizenship and leadership established in Naval Science One and to provide classroom and practical application in Naval Organization and ship. Minimum performance requirements of this course are in accordance with current Chief of Naval Education Training instruction, NAVEDTRA 37128.
28.02700	JROTC/Navy VII: Naval Science: Naval Leadership and Ethics	BHS	JROTC--Navy	The purpose of this course is to take a more in-depth look at what leadership is and to learn how to maximize leadership abilities. More importantly, this course will assist the student in adding the polish necessary to be a truly effective leader in the NJROTC unit, school, community, and, in life. Minimum performance requirements of this course are in accordance with current Chief of Naval Education Training instruction, NAVEDTRA 37128.
28.02800	JROTC Navy VIII: Naval Science: Effective Communication	BHS	JROTC--Navy	The purpose of this course is to teach the students the techniques of effective communication, which is one of the most important skills that a good leader must develop in order to be successful. Minimum performance requirements of this course are in accordance with current Chief of Naval Education Training instruction, NAVEDTRA 37128.
28.04100	MCJROTC Leadership Education I	GA	JROTC--Marine Corps	This course is given the first semester of Marine Corps JROTC in Georgia when the 4x4 block schedule is used. It includes program orientation and the initial classroom instruction and practical application. The course lays the foundations for the follow on Leadership Education courses by teaching the basics of leadership, citizenship, personal growth and responsibility, career exploration, and general military subjects. Emphasis in the first semester is on introduction to leadership and citizenship. Minimum performance requirements for the course are based on successful completion of competencies according to the national Marine Corps JROTC curriculum. The performance standards of this course are based on the performance standards identified in the course for Marine Corps JROTC. Successful completion of three units of credit in the Marine Corps JROTC program qualify the student for advanced placement in a college ROTC program or accelerated promotion in the military services.
28.04200	MCJROTC Leadership Education II	GA	JROTC--Marine Corps	This course includes classroom instruction and practical application of the tasks included in the training required for second-year Marine Corps JROTC cadets. The course builds on the foundations of Leadership Education I, with more emphasis in the area of General Military Subjects. Civilian Marksmanship Training and Land Navigation are introduced this semester.

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28.04300	MCJROTC Leadership Education III	GA	JROTC--Marine Corps	This course includes classroom instruction and practical application of the tasks included in the training required for third-year Marine Corps JROTC cadets. In this first semester of LE III, cadets are assigned more practical application instruction and assume leadership roles. The course builds on the foundations of Leadership Education I and Leadership Education II in the subjects of leadership, citizenship, personal growth and responsibility, career exploration, and general military subjects in greater detail and with greater emphasis on leading and assuming greater responsibilities and application of leadership skills.
28.04400	MCJROTC Leadership Education IV	GA	JROTC--Marine Corps	This course is given the first semester of Marine Corps JROTC in Georgia when the 4x4 block schedule is used. The first semester of LE IV includes classroom instruction and practical application of the more advanced tasks included in leadership training required for fourth-year Marine Corps JROTC cadets. The course emphasizes the application of the preceding three courses of Leadership Education by preparing the cadet for assuming his or her place as an informed and responsible citizen in United States society who is able to lead others effectively. LE-IV cadets are the senior leaders of the program and fully expected to conduct themselves accordingly. The development of core skills the cadets should master are integrated throughout the course.
28.04500	MCJROTC Leadership Education V	GA	JROTC--Marine Corps	This course is given the second semester of Marine Corps JROTC in Georgia when the 4x4 block schedule is used. It is used to supplement and reinforce the instruction given in Leadership Education I Block 1 in the first semester. New instruction in this semester is additional courses in General Military Subjects. Additional emphasis is also given this semester to drill competition and marksmanship competition. School and community service are also emphasized.
28.04600	MCJROTC Leadership Education VI	GA	JROTC--Marine Corps	This course is given the second semester of Marine Corps JROTC in Georgia when the 4x4 block schedule is used. It is used to supplement and reinforce the instruction given in Leadership Education II Block 1 in the first semester.
28.04700	MCJROTC Leadership Education VII	GA	JROTC--Marine Corps	This course is given the second semester of Marine Corps JROTC in Georgia when the 4x4 block schedule is used. It is used to supplement and reinforce the instruction given in Leadership Education III Block 1 in the first semester.
28.04800	MCJROTC Leadership Education VIII	GA	JROTC--Marine Corps	This course is given the second semester of Marine Corps JROTC in Georgia when the 4x4 block schedule is used. It is used to supplement and reinforce the instruction given in Leadership Education IV Block 1 in the first semester.
	Healthcare Science Program Concentration			
25.52100	Introduction to Healthcare Science	GICA	Therapeutic Services--Nursing	Students wishing to pursue a career in the Healthcare Industry will receive initial exposure to healthcare science skills and attitudes applicable to healthcare including the concepts of health, wellness, and preventive care. The changes in healthcare delivery systems and the subsequent impact on healthcare delivery for individual consumers is explored and evaluated. Medical terminology, microbiology, and basic life support skills are emphasized, as well as, the ethical and legal responsibilities of today's healthcare provider. Academics and other related sciences are integrated throughout the course. 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 (OSHA) and Center for Disease Control (CDC). Students may participate in opportunities for professional networking and the enhancement of their vocational portfolios by receiving recognition for their accomplishments through a variety of venues related to vocational student organizations – Health Occupations Students of America (HOSA), Vocational Industrial Clubs of America (VICA), as well as, other external agencies such as the American Red Cross and the American Heart Association. This course is considered broad-based with high impact and is a prerequisite for all Healthcare Science Technology Education courses.
25.59100	Medical Terminology in Healthcare Systems	GICA	Health Informatics	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.

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Course	Course Name	Site	Pathway	Course Description
25.52200	Application of Therapeutic Services	GICA	Therapeutic Services--Nursing	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).
25.56100	Nursing Essentials	GICA	Therapeutic Services--Nursing	This course is designed to provide students with skills necessary to function as a Nursing Assistant in a variety of health care settings. Nursing Assistant introduces students to a variety of skills such as patient care, legal and ethical issues, documentation, anatomy and physiology, and nutrition.
	Marketing Sales & Services Program Concentration			
8.47400	Marketing Principles	BHS, GA	Part of all marketing pathways	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 application experiences, students should participate in work-based learning activities and the student organization, DECA.
8.47200	Professional Sales & Promotion	GA	Marketing Communications & Promotion	This course focuses on the performance of key responsibilities required in a retail environment. Students develop skills in pricing, visual merchandising, advertising, special promotions, professional sales, and customer service. 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 also highly advantageous for students to participate in a school-based enterprise.
8.41300	Introduction to Fashion Marketing	GA	Fashion Marketing	This course will introduce the student to the fashion industry including the fundamentals of fashion marketing, types of businesses involved in the industry, and the array of career opportunities available in fashion marketing. Students will develop skills in such areas as fashion economics, marketing segmentation and target marketing, product selection and buying, and inventory systems. 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. Students may participate in a school-based enterprise.
8.43600	Entrepreneurship: Building a Business	GICA	Marketing & Management	Competencies for the competitive events offered by the international, co-curriculum student organization, DECA, an Association of Marketing Education Students, are directly aligned to the national and state standards for Marketing Education. Therefore, DECA competitive events provide an excellent avenue for students to apply the technical and core employability skills learned in the classroom. Work-based learning activities, inside and/or outside the classroom, should also be incorporated in this pathway in order to provide another avenue for students to apply the knowledge and skills attained through curriculum and instruction.
8.47500	Advanced Marketing	GICA	Marketing & Management	Advanced Marketing builds on the principles and concepts taught in Marketing Principles. Students assume a managerial perspective in applying economic principles in marketing, analyzing operations needs, examining distribution and financial alternatives, managing marketing information, pricing products and services, developing product/service planning strategies, promoting products and services, purchasing, and professional sales. This course also deals with global marketing in that students analyze marketing strategies employed in the U.S. versus those employed in other countries.
8.47800	Introduction to Sports and Entertainment Marketing	GICA	Sports & Entertainment Marketing	This course introduces the student to the major segments of the Sports and Entertainment Industry and the social and economic impact it has on the local, state, national, and global economies. The products and services offered to consumers and the impact of marketing on these products and services are examined. Units include: Business Fundamentals, Product Mix, Product Knowledge, Product/Service Management, Business Regulations, Interpersonal Skills, Selling, Marketing-Information Management, Economics, Distribution, Pricing, Advertising, Publicity/Public Relations, Sales Promotion, Business Risks, and Organization. Sstudents should participate in work-based learning activities and the student organization, DECA, An Association of Marketing Students.

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8.48500	Advanced Sports and Entertainment Marketing	GICA	Sports & Entertainment Marketing	This course provides students opportunities to develop managerial and analytical skills and deepen their knowledge in sports/entertainment marketing. Topical units include: Marketing-Information Management, Selling, Publicity/Public Relations, Sales Promotion, Management of Promotion, Product Mix, Pricing, Positioning, and Marketing Planning. Project-based instruction, together with a variety of work-based learning activities, should be incorporated in this course to provide real-world application.
Altamaha Technical College Dual Enrollment Courses Offered at GICA				
	Architecture, Construction, Communications &Transportation Program Concentration			
47.51100	HVACR 1	GICA	Climate Control Systems Technology (HVACR)	This course builds on the concepts of math concepts introduced in Occupational Safety. It provides knowledge of the hardware and systems used by an HVACR technician and the basic skills to install them. It provides a general knowledge of refrigeration and heating processes including the electronic circuitry. It also shows the integration between the electrical and HVACR fields. It provides an understanding of joining and piping practices in HVACR systems. It provides an introduction to the skills and knowledge of conduit bending and installation.
47.51200	HVACR 2	GICA	Climate Control Systems Technology (HVACR)	This course introduces the trainee to properties of air distribution in various states including forced and vented air. It provides a general knowledge of refrigeration and heating processes. It also shows the use of various other types of climate control equipment and possible accessory options. Trainees are introduced to proper handling of refrigerants. It provides an introduction to the skills and knowledge of system and component troubleshooting techniques including electrical components.
	Culinary Arts Program Concentration			
20.53100	Introduction to Culinary Arts	GICA	Culinary Arts	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 culinaryindustry and career opportunities leading into a career pathway to Culinary Arts.
20.53210	Culinary Arts I	GICA	Culinary Arts	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.
20.53310	Culinary Arts II	GICA	Culinary Arts	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.
	Engineering & Technology Program Concentration			
48.54100	Introduction to Engineering Drawing and Design	GICA	Engineering Graphics & 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 Architectural Drawing & Design and Engineering Graphics & Design Pathways. 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.

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48.54200	Survey of Engineering Graphics	GICA	Engineering Graphics & Design	Engineering Concepts and Drawings is a one-credit course designed to further the development of student knowledge and skills in the Engineering Graphics & Design Pathway. 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).
	Government & Public Safety Program Concentration			
43.43000	Introduction to Law and Justice	GICA	Law and Justice	Students wishing to pursue a career in Law and Justice 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 is emphasized.
43.43500	Law, Community Response and Policing	GICA	Law and Justice	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.
43.43300	Criminal Investigation and Forensics	GICA	Law and Justice	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.
	Healthcare Science Program Concentration			
12.54500	Cosmetology Services Core I	GICA	Personal Care Services--Cosmetology	This course introduces the fundamental theory and practices of the cosmetology profession. Emphasis will be placed on professional practices and safety. Topics include: state and local laws, rules and regulations, professional image, bacteriology, decontamination and infection control, chemistry fundamentals, safety, Hazardous Duty standards Act compliance, and various types of equipment. This course introduces the chemistry and chemical reaction of permanent wave solutions and relaxers. Topics include: permanent wave techniques, chemical relaxer techniques, chemistry, physical and chemical charge, safety procedures, and permanent wave and chemical relaxer application procedures on mannequins. Included is an introduction to theory, procedures, and products used in the care and treatment of the skin, scalp and hair.
12.54600	Cosmetology Services Core II	GICA	Personal Care Services--Cosmetology	This course is designed as an intermediate level course for the Cosmetology Pathway Program of Study. It presents intermediate skills and knowledge related to cosmetology and its scientific and mathematical corollaries. Clinical activities are included in this phase of study. Clinicals for hairstyling include: shaping, pincurls, fingerwaves, roller placement, comb-outs, and haircutting concepts.