Gordon COUNTY schools

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2022-2023
HIGH SCHOOL
REGISTRATION GUIDE &
COURSE DESCRIPTIONS

GORDON COUNTY GRADUATION REQUIREMENTS

Students must receive credits in the following areas of study to earn a high school diploma from a Gordon County high school.

Area of Study	Units Required	Units Required for Distinction
English/Language Arts	4*	4*
Mathematics	4*	4*
Science	3* + 1 elective	3* + 1 elective
Social Studies	4*	4*
Pathway Courses from a single pathway- choices include courses in Career, Technical and Agriculture Education (CTAE); World Languages; or Fine Arts	3	4**
Health and PE	1	1
Elective Courses	6	7
Total Number of Units Required	26	28

*Prescribed core courses- see charts below

**Student must also have a passing score on end-of-pathway assessment, where applicable

NOTE: Elective science unit may include an additional core science class or a class from approved list of CTAE courses. The elecive unit may meet both a science and a pathway requirement; however, only one unit of credit will be given.

NOTE: Two (2) units of foreign language are recommended for college-bound students.

PRESCRIBED CORE

English Language Arts			
GRADE	Option 1	Option 2	English Electives
9	9th Lit/Comp	9th Lit/Comp Honors	Journalism I Journalism II Journalism III Journalism IV *DE Speech
10	10th Lit/Comp	10th Lit/Comp Honors	
11	American Lit/Comp	American Lit/Comp Honors	
12	British Literature	*DE Advanced Composition/DE British Lit or British Literature Honors — AP Literature	

Mathematics

GRADE	Option 1	Option 2	Option 3	Option 4	
9	Algebra I with support Criteria for Placement: *8th grade Winter MAP Math Score *7th grade EOG Math Score *Grade in current course	Algebra I	Algebra I Honors	Geometry Honors	
10	Geometry with support Criteria for Placement: *8th grade EOG Math Score *8th grade Spring Map Math Score * Below 85 in current course	Geometry	Geometry Honors	Algebra II Honors	
11	Algebra II	Algebra II	Algebra II Honors	*DE Pre-Calculus/ DE College Algebra	
12	Advanced Math Decision Making (AMDM)	Advanced Math Decision Making (AMDM) OR Pre-Calculus	*DE College Algebra/ DE Pre-Calculus	Calculus HN	AP Calculus

Social Studies

GRADE	Option 1	Option 2	Elective
9	Government	Government Honors or AP Government	AP Human Geography
10	World History	World History Honors or *DE World History	
11	U.S. History	U.S. History Honors or AP U.S. History	
12	Economics	Economics Honors or *DE Economics or AP Microeconomics	

Science

GRADE	Option 1			Option 2			
9	Environmental Science			Environmental Science Honors			
10	Biology			Biology Honors			
11	Physics			Physics Honors			
12	Human Anatomy	Plant Science	Chemistry	AP Environmental	AP Biology	Plant Science	Essentials of Healthcare
	Essentials of Healthcare	Animal Science	Forensic Science	Chemistry HN	Human Anatomy	Animal Science	Forensic Science

Foreign Language

GRADE	Option 1	Option 2
9-12	French I or Spanish I	French I Honors or Spanish I Honors
9-12	French II or Spanish II	French II Honors or Spanish II Honors
9-12	French III or Spanish III	French III Honors or Spanish III Honors
9-12	French IV Honors or AP French or Spanish IV Honors or AP Spanish	

AVAILABLE PATHWAYS

AGRICULTURE, FOOD AND NATURAL RESOURCES CAREER CLUSTER

Agriculture Leadership in Animal Production Pathway
Availability: Gordon Central High School and Sonoraville High School
Location: Gordon Central High School and Sonoraville High School

Basic Agriculture Science
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.

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. Introduces scientific principles 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. *
Prerequisite: Basic Agricultural Science.

Agribusiness Management and Leadership
This course will help students build a strong knowledge base of the agribusiness industry as they study agribusiness types, business management, financial analysis, communication, agricultural law, leadership and

teamwork, ethics, and agricultural economics. *Prerequisite: Animal Science Technology / Biotechnology or Forest Science.*

Agriculture Leadership in Forestry Pathway
Availability: Sonoraville High School
Location: Sonoraville High School

Basic Agriculture Science
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.

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 multiple-use resource management, keeping records, and figuring taxes. *Prerequisite: Basic Agricultural Science.*

Agribusiness Management and Leadership
This course will help students build a strong knowledge base of the agribusiness industry as they study agribusiness types, business management, financial analysis, communication, agricultural law, leadership and teamwork, ethics, and agricultural economics. *Prerequisite: Animal Science Technology / Biotechnology or Forest Science.*

Agriculture Mechanics Systems Pathway
Availability: Sonoraville High School
Location: Sonoraville High School

Basic Agriculture Science
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.

Agricultural Mechanics Technology I
This laboratory course is designed to provide students with introductory level experiences in selected major areas of agricultural mechanics technology which may include wood working, agricultural structures, electrical wiring, electric arc welding, oxy/fuel cutting and welding processes, and power equipment operation and maintenance. Learning activities include information, skill development and problem solving. Classroom and laboratory activities are supplemented through FFA supervised agricultural experiences, leadership programs and activities.

Agricultural Mechanics Technology II
The goal of this laboratory course is designed to offer students intermediate level experiences in selected major areas of agricultural mechanics technology which may include small engine maintenance and repair, metal fabrication, concrete construction, building construction, plumbing, electrical wiring, maintenance of agricultural machinery, equipment and tractors and soil and water conservation. Learning activities include information, skill development and problem solving.

Companion Animal Systems Pathway
Availability: Gordon Central High School
Location: Gordon Central High School

Basic Agriculture Science
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.

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. Introduces scientific principles 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. *Prerequisite: Basic Agricultural Science.*

Small Animal Care
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. *Prerequisite: Animal Science Technology / Biotechnology.*

Forestry and Animal Science Systems Pathway
Availability: Sonoraville High School
Location: Sonoraville High School
Basic Agriculture Science
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.

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 multiple-use resource management, keeping records, and figuring taxes. *Prerequisite: Basic Agricultural Science.*

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. Introduces scientific principles 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. *Prerequisite: Basic Agricultural Science.*

Horticulture/Mechanical Systems Pathway
Availability: Sonoraville High School
Location: Sonoraville High School
Basic Agriculture Science
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.

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.

Agricultural Mechanics Technology I
This laboratory course is designed to provide students with introductory level experiences in selected major areas of agricultural mechanics technology which may include wood working, agricultural structures, electrical

wiring, electric arc welding, oxy/fuel cutting and welding processes, and power equipment operation and maintenance. Learning activities include information, skill development and problem solving. Classroom and laboratory activities are supplemented through FFA supervised agricultural experiences, leadership programs and activities.

ARCHITECTURE AND CONSTRUCTION CAREER CLUSTER

Carpentry Pathway

Availability: Gordon Central High School and Sonoraville High School
Location: Gordon Central High School and Sonoraville High School

Industry Fundamentals and Occupational Safety

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. 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.

Introduction to Construction

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 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: Industry Fundamentals and Occupational Safety.*

Carpentry

This course 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. This course provides specific knowledge and skills in site layout and floor and wall framing systems. It includes the basic industry terminology for a carpentry craftsperson. * *Prerequisite: Introduction to Construction.*

Electrical Pathway

Availability: Gordon Central High School and Sonoraville High School
Location: Gordon Central High School and Sonoraville High School

Industry Fundamentals and Occupational Safety

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. 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.

Introduction to Construction

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 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: Industry Fundamentals and Occupational Safety.*

Electrical
This course provides a solid foundation in electrical skills and knowledge. As the third step in gaining a Level One Industry Certification in Electrical, the course builds on the concepts of electrical safety introduced in Occupational Safety and provides knowledge and basic skills of the hardware and systems used by an electrician. The course incorporates general knowledge of the National Electrical Code and electrical systems, including series, parallel, and series-parallel circuits. In addition, students will be provided an introduction to the skills and knowledge of conduit bending and installation. *Prerequisite: Introduction to Construction.*

Masonry Pathway
Availability: Gordon Central High School
Location: Gordon Central High School
Industry Fundamentals and Occupational Safety
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. 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.

Introduction to Construction
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 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: Industry Fundamentals and Occupational Safety.*

Masonry
This course 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.
Prerequisite: Introduction to Construction.

Plumbing Pathway
Availability: Gordon Central High School
Location: Gordon Central High School
Industry Fundamentals and Occupational Safety
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. 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.

Introduction to Construction

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 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: Industry Fundamentals and Occupational Safety.*

Plumbing

This course 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. *Prerequisite: Introduction to Construction*.

Welding Pathway
Availability: Gordon Central High School and Sonoraville High School
Location: Gordon County College and Career Academy
DUAL ENROLLMENT PATHWAY- must meet enrollment qualifications and complete application process

WELD 1000 Introduction to Welding Technology

This course provides an introduction to welding technology with an emphasis on basic welding laboratory principles and operating procedures. Topics include: industrial safety and health practices, hand tool and power machine use, measurement, Oxyacetylene welding, and Welding career potentials.

WELD 1010 Oxyfuel and Plasma Cutting

Introduces fundamental principles, safety practices, equipment, and techniques necessary for metal heating, oxyfuel cutting, and plasma cutting. Topics include: metal heating and cutting techniques, manual and automatic oxyfuel cutting techniques, oxyfuel pipe cutting, plasma torch and theory, plasma machine set up and operation, and plasma cutting techniques.

WELD 1040 Flat Shielded Metal Arc Welding

This course introduces the major theory, safety practices, and techniques required for shielded metal arc welding (SMAW) in flat positions. Qualification tests, flat position, are used in the evaluation of student progress toward making industrial welds.

WELD 1090 Gas Metal Arc Welding

Provides knowledge of theory, safety practices, equipment and techniques required for successful gas metal arc welding. Qualification tests, all positions, are used in the evaluation of student progress toward making industrial standard welds. Topics include: GMAW safety and health practices; GMAW theory, machines, and set up; transfer modes; wire selection; shielded gas selection; and GMAW joints in all positions.

AUDIO-VISUAL TECHNOLOGY AND COMMUNICATIONS CAREER CLUSTER
Audio-Video Technology and Film Pathway
Availability: Gordon Central High School and Sonoraville High School
Location: Gordon Central High School and Sonoraville High School

Audio and Video Technology and Film

This course prepares students for employment or entry into a postsecondary education program in the audio and video technology career field. Topics covered may include, but are not limited to terminology, safety, basic equipment, script writing, production teams, production and programming, lighting, recording and editing, studio production, and professional ethics. All material utilized in Audio and Video Technology and Film will be utilized in subsequent courses.

Audio-Video Technology and Film II
This one credit course is the second in a series of three that prepares students for a career in Audio Video Technology and Film 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. *
Prerequisite: Audio and Video Technology and Film.

Audio-Video Technology and Film III
This one credit transition course is designed to facilitate student-led projects under the guidance of the instructor. Students work cooperatively and independently in all phases of 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. *
Prerequisite: Audio-Video Technology and Film II.

Video Production 4 and Fundamentals of Telecommunications are subsequent and sequential Audio-Video Technology and Film courses that are available beyond the first three necessary to complete the Pathway at Gordon Central High School. Sonoraville High School offers Broadcast Video Production IV as a subsequent additional course to complete a second pathway- AVT and Film II.

Graphic Design Pathway
Availability: Gordon Central High School and Sonoraville High School
Location: Gordon County College and Career Academy

Introduction to Graphics and Design
The goal of this course is to provide all students with an introduction to the principles of graphic communications and design and its place in the 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 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.

Graphic Design and Production
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. * *Prerequisite: Introduction to Graphics and Design.*

Advanced 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.

Prerequisite: Graphics Design and Production.

Advanced Graphic Outputs and Processes is an optional 4th course for students who complete this pathway.

BUSINESS, MANAGEMENT, & ADMINISTRATION CLUSTER
Availability: Sonoraville High School
Location: Sonoraville High School
Entrepreneurship

Introduction to Business & Technology

Introduction to Business & Technology is the foundational course for Business and Technology, Entrepreneurship, and Human Resources Management pathways. The course is designed for high school students as a gateway to the career pathways above and provides an overview of business and technology skills required for today's business environment. Knowledge of business principles, the impact of financial decisions, and technology proficiencies demanded by business combine to establish the elements of this course. Emphasis is placed on developing proficient fundamental computer skills required for all career pathways. Students will learn essentials for working in a business environment, managing a business, and owning a business. The intention of this course is to prepare students to be successful both personally and professionally in an information-based society. Students will not only understand the concepts but apply their knowledge to situations and defend their actions/decisions/choices through the knowledge and skills acquired in this course. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organization, Future Business Leaders of America (FBLA), are integral components of both the employability skills standards and content standards for this course. Various forms of technologies will be highlighted to expose students to the emerging technologies impacting the business world. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are taught in this course as a foundational knowledge to prepare students to be college and career ready. Introduction to Business & Technology is a course that is appropriate for all high school students. After mastery of the standards in this course, students should be prepared to earn an industry recognized credential: Microsoft Office Specialist for Word Core Certification. The prerequisite for this course is advisor approval.

Legal Environment of Business

Legal Environment of Business addresses statutes and regulations affecting businesses, families, and individuals. All students will benefit with the knowledge of business law as they will eventually assume roles as citizens, workers, and consumers in their communities and in society at large. Students will get an overview of business law while concentrating on the legal aspects of business ownership and management. Legal issues addressed include court procedures, contracts, torts, consumer law, employment law, environmental law, international law, ethics, and the role of the government in business. Students will not only understand the concepts but will also apply their knowledge to situations and defend their actions, decisions, and choices. Various forms of technologies will be highlighted to expose students to the emerging technologies impacting the business world. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are expanded in this course to prepare students to be college and career ready. Employability skills are integrated into activities, tasks, and projects throughout this course to demonstrate skills required by business and industry. Competencies in the co-curricular student organization, Future Business Leaders of America (FBLA), are integral components of both the employability skills and content standards of this course. Legal Environment of Business is the second course in the Entrepreneurship

and Human Resources Management pathway in the Business Management & Administration Cluster. Students enrolled in this course should have successfully completed the first course in the pathway Introduction to Business & Technology.

Entrepreneurship

How do you turn an idea into a business? Experience just that in this course! Entrepreneurship focuses on recognizing a business opportunity, starting a business, operating and maintaining a business. Students will be exposed to the development of critical thinking, problem solving, and innovation in this course as they will either be the business owner or individuals working in a competitive job market in the future. Integration of accounting, finance, marketing, business management, legal and economic environments will be developed throughout projects in this course. Working to develop a business plan that includes structuring the organization, financing the organization, and managing information, operations, marketing, and human resources will be a focus in the course. Engaging students in the creation and management of a business and the challenges of being a small business owner will be fulfilled in this course. Various forms of technologies will be used to expose students to resources and application of business principles for starting, operating and maintaining a business. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are enhanced in this course to prepare students to be college and career ready. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organization, Future Business Leaders of America (FBLA), are integral components of the employability skills standard for this course. Entrepreneurship is the third course in the pathway in the Business Management & Administration Cluster. Students enrolled in this course should have successfully completed Introduction to Business & Technology and Legal Environment of Business. After mastery of the standards in this course, students should be prepared to take the end of pathway assessment in this career area.

EDUCATION AND TRAINING CAREER CLUSTER
Early Childhood Care and Education Pathway
Availability: Gordon Central High School (only for students currently enrolled in this pathway) and Sonoraville High School
Location: Gordon Central High School and Sonoraville High School

Early Childhood Education I

Early Childhood Education I 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.

Early Childhood Education II

Early Childhood Education II is the second course in the Early Childhood Care and Education pathway and further prepares the student for employment in early childhood care and education services. The course provides a history of education, licensing and accreditation requirements, and foundations of basic observation practices and applications. Early childhood care, education, and development issues are also addressed and include health, safety, and nutrition education; certification in CPR/First Aid/Fire Safety; information about child abuse and neglect; symptoms and prevention of major childhood illnesses and diseases; and prevention and control of communicable illnesses.

* Prerequisite: Early Childhood Education I.

ECE III

This course provides in-depth study of early brain development and its implications for learning, appropriate technology integration, and developmentally appropriate parenting and child guidance trends. Also addressed

are collaborative parent/teacher/child relationships and guidance, child directed play, the changing dynamics of family culture and diversity, the causes and effects of stress on young children, and infant nutrition. Mastery of standards through project-based learning, laboratory application, 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 or a post-secondary institution for continued education. * *Prerequisite: Early Childhood Education II.*

Teaching as a Profession Pathway
Availability: Gordon Central High School
Location: Gordon Central High School
Examining the Teaching Profession

Examining the Teaching Profession is the foundational course under the Teaching as a Profession pathway and prepares students for future positions in the field of education. Teaching as a Profession students 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. Pre-requisite for this course is adviser approval.

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).

Teaching as a Profession Practicum

The practicum 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 practicum 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 students with special needs, maintain the safety of the students, practice professionalism, and demonstrate ethical behavior. 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) or Family, Career & Community Leaders of America (FCCLA) 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.

Teaching as a Profession Pathway – Dual Enrollment
Availability: Sonoraville High School
Location: Sonoraville High School
DUAL ENROLLMENT PATHWAY- must meet enrollment qualifications and complete application process
EDUC 2110 Critical and Contemporary Issues in Education

This course is a critical and theoretical exploration of the "Foundations of Education" and engages students in observations, interactions, and analyses of critical and contemporary educational issues. Students will investigate issues influencing the social and political contexts of educational settings in Georgia, the United States, and globally. Students will actively examine the teaching profession from multiple vantage points both within and outside the school. Against this backdrop, students 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. Successful completion of 10 hours of field experience is required.

EDUC 2120 Diversity in Educational Context
Fundamental knowledge of understanding culture and teaching children from diverse backgrounds. Specifically, this course is designed to examine the nature and function of culture; the development of individual and group cultural identity; definitions and implications of diversity; and the influence of culture on learning, development and pedagogy. Successful completion of 10 hours of field experience is required.

EDUC 2130 Exploring Learning and Teaching
The study of educational psychology concepts through examination of learning and teaching processes, with the goal of applying this knowledge to enhance the learning of all students in a variety of educational settings and contexts. Successful completion of 10 hours of field experience is required.

FINE ARTS CAREER CLUSTER
Band Pathway
Availability: Gordon Central High School and Sonoraville High School
Location: Gordon Central High School and Sonoraville High School
Students can earn a Pathway in Band by completing any of the following.
Beginning Band I (Beg Band 1)
Beginning Band II (Beg Band 2)
Intermediate Band I (Interm Band 1)
Intermediate Band II (Interm Band 2)
Advanced Band I (Adv Band 1)
Advanced Band II (Adv Band 2)

Advanced Instrument Ensemble I (Adv Instr Ens 1)
Advanced Instrument Ensemble II (Adv Instr Ens 2)

Pre-requisites apply. Courses may vary by location.

Chorus Pathway
Availability: Gordon Central High School and Sonoraville High School
Location: Gordon Central High School and Sonoraville High School
Students can earn a Pathway in Chorus by completing 3 of the following:
Beginning Choral Ensemble I
Beginning Choral Ensemble II
Beginning Chorus I
Beginning Chorus II
Beginning Mixed Chorus I
Beginning Mixed Chorus II
Intermediate Chorus I

Intermediate Chorus II
Intermediate Mixed Chorus I
Intermediate Mixed Chorus II
Advanced Chorus I
Advanced Chorus II
Advanced Mixed Chorus I
Advanced Mixed Chorus II

Pre-requisites apply. Courses may vary by location.

Dramatic Arts Fundamentals Pathway
Availability: Gordon Central High School and Sonoraville High School
Location: Gordon Central High School and Sonoraville High School
The Dramatic Arts Fundamentals courses develop and apply performance skills through access to basic vocal, physical, and emotional exercises; including improvisation and scene study and related technical art forms. Students can earn a Pathway in Dramatic Arts by completing three sequential Dramatic Arts Fundamentals

courses: Theater Arts/Fundamentals I, Theater Arts/Fundamentals II, Dramatic Arts/Fundamentals III, An additional Dramatic Arts Fundamentals course is offered- Dramatic Arts/Fundamentals IV (Drama Fund 4)

Theater Technology Pathway
Availability: Gordon Central High School
Location: Gordon Central High School

The Theater Technology emphasize theater operation, production management, scenic design, and theatrical management including lighting, sound, stage and house management, building and equipment maintenance, and working with performers and patrons of the arts. Students can earn a Pathway in Theater Technology by completing three sequential Theater Technology courses: Theater Technology I, Theater Technology II, Theater Technology III, An additional Theater Technology course is offered: Theater Technology IV (Theater Tech 4)

Visual Arts Pathway
Availability: Gordon Central High School and Sonoraville High School
Location: Gordon Central High School and Sonoraville High School

Students can earn a Pathway in Visual Arts by completing three courses in either Art, Pottery, or a combination of the two.

Art Pathway:
VA Comprehensive I (VA Comp)
VA Drawing and Painting I (VA Draw/Paint 1)
VA Drawing and Painting II (VA Draw/Paint 2)

Additional Art Courses:
VA Drawing I (VA Draw 1)
VA Drawing II (VA Draw 2)
VA Painting I (VA Paint 1)

VA Painting II (VA Paint 2)

Pottery Pathway:
VA Ceramics/Pottery I (VA Cer Pot 1)
VA Ceramics/Pottery II (VA Cer Pot 2)
VA Sculpture I (VA Sculpt 1)

Additional Pottery Course:
VA Sculpture II (VA Sculpt 2)

Pre-requisites apply. Courses may vary by location.

HEALTH SCIENCES CAREER CLUSTER
Therapeutic Services/Allied Health and Medicine Pathway
Availability: Gordon Central High School
Location: Gordon Central High School

Introduction to Healthcare Science

Introduction to Healthcare Science 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.

Healthcare Essentials

This course is a medical-focused anatomy course addressing the physiology of each body system, along with

investigation of common diseases, disorders, and emerging diseases. The prevention of disease and the diagnosis and treatment that might be utilized are addressed, along with medical terminology related to each system. This course provides an opportunity to demonstrate technical skills that enforce the goal of helping students make connections between medical procedures and the pathophysiology of diseases and disorders.
* *Prerequisite: Introduction to Healthcare Science.*

Allied Health and Medicine
This course is designed to offer students (juniors or seniors) the opportunity to become effective and efficient multi-skilled healthcare providers as they develop a working knowledge of various allied health opportunities. Students focusing on a career path in the healthcare field may apply classroom /lab knowledge and skills in the clinical setting as they participate in direct or simulated client care. * *Prerequisite: Healthcare Essentials.*

Therapeutic Services/Patient Care Pathway
Availability: Sonoraville High School
Location: Sonoraville High School

Introduction to Healthcare Science Introduction to Healthcare Science is the foundational course for all Health Science pathways and is a prerequisite for all other Healthcare Science pathway courses. This course will enable students to receive initial exposure to the many Healthcare Science careers as well as employability, communication, and technology skills necessary in the healthcare industry. The concepts of human growth and development, interaction with patients and family members, health, wellness, and preventative care are evaluated, as well as the legal, ethical responsibilities of today's healthcare provider. Fundamental healthcare skills development is initiated including microbiology, basic life support and first aid. This course will provide students with a competitive edge to be the better candidate for either entry into the healthcare global marketplace and/or the post-secondary institution of their choice to continue their education and training. The pre-requisite for this course is advisor approval.

Essentials of Healthcare Anatomy and Physiology is a vital part of most healthcare post-secondary education programs. The Essentials of Healthcare is a medical-focused anatomy course addressing the physiology of each body system, along with the investigation of common diseases, disorders and emerging diseases. The prevention of disease and the diagnosis and treatment that might be utilized are addressed, along with medical terminology related to each system. This course provides an opportunity to demonstrate technical skills that enforce the goal of helping students make connections between medical procedures and the pathophysiology of diseases and disorders. The pre-requisite for this course is Introduction to Healthcare.

Patient Care Fundamentals This course is designed to provide students interested in the careers that involve patient care with entry level skills most commonly associated with the career Nursing Assistant. 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), Center for Disease Control (CDC), and the Department of Health and Human Services (HHS) with a specific focus on the Omnibus Budget Reconciliation Act of 1987 (OBRA) and the Health Insurance Portability and Accountability Act of 1996 (HIPAA). Upon completion of this course and its prerequisites, this course meets the Certified Nurse Assistant curriculum content as specified by the Georgia Medical Care Foundation. Students meeting all academic, attendance, and age requirements may 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 Nurse Assistant. (Programs and instructors must affiliate with and be approved by the GA Medical Care Foundation www.gmcf.org in order for students to be able to sit for the GA Registry Examination. Requirements for equipment, clinical hours, etc. can be found through the GA Medical Care Foundation.)

Any Healthcare Science course that includes a clinical component (excluding a shadowing experience field trip) must adhere to identified guidelines under (WBL) work-based learning (available at ctae.gadoe.org under WBL manual. Training for the Healthcare Science teacher on these guidelines will be provided.

INFORMATION TECHNOLOGY CAREER CLUSTER
Cloud Computing Pathway
Availability: Gordon Central High School and Sonoraville High School
Location: Gordon County College and Career Academy

Introduction to Software Technology
Introduction to Software Technology is the foundational course for Cloud Computing, Computer Science, Game Design, Internet of Things, Programming, Web and Digital Design, and Web Development pathways. This course is designed for high school students to understand, communicate, and adapt to a digital world as it impacts their personal life, society, and the business world. Exposure to foundational knowledge in programming languages, software development, app creation, and user interfacing applications are all taught in a computer lab with hands-on activities and project-focused tasks. Students will not only understand the concepts but apply their knowledge to situations and defend their actions, decisions, and/or choices through the knowledge and skills acquired in this course. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organizations are integral components of both the employability skills standards and content standards for this course. Various forms of technologies will be highlighted to expose students to the emerging technologies impacting the digital world. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are taught in this course as a foundational knowledge to prepare students to be college and career ready. The knowledge and skills taught in this course build upon each other to form a comprehensive introduction to the digital world. Introduction to Software Technology is a course that is appropriate for all high school students. The pre-requisite for this course is advisor approval.

Computer Science Principles
Computer Science (CS) Principles is focused on building a solid understanding and foundation in computer science. This course emphasizes the content, practices, thinking and skills central to the discipline of computer science. Through both its content and pedagogy, this course aims to appeal to a broad audience. The focus of this course will fall into these computational thinking practices: connecting computing, developing computational artifacts, abstracting, analyzing problems and artifacts, communicating, and collaborating. Various forms of technologies will be used to expose students to resources and application of computer science. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are enhanced in this course to prepare students to be college and career ready. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Computer Science Principles is the second course in the pathways Programming and Computer Science in the Information Technology Cluster. Students enrolled in this course should have successfully completed Introduction to Digital Technology.

Cloud Computing
The Cloud Computing course is intended for students who seek an overall understanding of cloud computing, independent of specific technical roles, cloud concepts, core services, security, architecture, and support. Students dive deeply into cloud computing best practices and learn how cloud computing helps users develop a global infrastructure to support use case at scale while also developing and inventing innovative technologies. Innovation through cloud computing is making a major impact in nearly every industry, including healthcare, finance, manufacturing, government, and nonprofit. The global public cloud computing market has consistently grown 15 percent year after year and is projected to continue to grow annually. This course utilizes hands-on practical lab activities to explore and build cloud technologies. Students will not only understand the concepts but apply their knowledge to situations and defend their actions/decisions/choices through the knowledge and skills acquired in this course. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the cocurricular student organizations are integral components of both the employability skills standards and content standards for this course. Various forms of technologies will be highlighted to expose students to the emerging technologies impacting the digital world. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are taught in this course as a foundational knowledge to prepare students to be college and career ready. The knowledge and skills taught in this course build upon each other to form a comprehensive introduction to the digital world. Cloud Computing is the third course in the Cloud Computing career pathway. Students enrolled in this course should have successfully completed Introduction to Digital Technology and Computer Science Principles, in that order. After mastery of the standards in this course, students should be prepared to earn an industry-recognized credential in this career area, such as AWS Certified Cloud Practitioner

(https://aws.amazon.com/certification/certified-cloud-practitioner/), Google Associate Cloud Engineer (https://cloud.google.com/certification/cloud-engineer), or Microsoft Certified Azure Fundamentals (https://docs.microsoft.com/en-us/learn/certifications/azurefundamentals/).

Programming Pathway
Availability: Gordon Central High School and Sonoraville High School
Location: Gordon County College and Career Academy

Introduction to Software Technology

Introduction to Software Technology is the foundational course for Cloud Computing, Computer Science, Game Design, Internet of Things, Programming, Web and Digital Design, and Web Development pathways. This course is designed for high school students to understand, communicate, and adapt to a digital world as it impacts their personal life, society, and the business world. Exposure to foundational knowledge in programming languages, software development, app creation, and user interfacing applications are all taught in a computer lab with hands-on activities and project-focused tasks. Students will not only understand the concepts but apply their knowledge to situations and defend their actions, decisions, and/or choices through the knowledge and skills acquired in this course. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organizations are integral components of both the employability skills standards and content standards for this course. Various forms of technologies will be highlighted to expose students to the emerging technologies impacting the digital world. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are taught in this course as a foundational knowledge to prepare students to be college and career ready. The knowledge and skills taught in this course build upon each other to form a comprehensive introduction to the digital world. Introduction to Software Technology is a course that is appropriate for all high school students. The pre-requisite for this course is advisor approval.

Computer Science Principles

Computer Science (CS) Principles is focused on building a solid understanding and foundation in computer science. This course emphasizes the content, practices, thinking and skills central to the discipline of computer science. Through both its content and pedagogy, this course aims to appeal to a broad audience. The focus of this course will fall into these computational thinking practices: connecting computing, developing computational artifacts, abstracting, analyzing problems and artifacts, communicating, and collaborating. Various forms of technologies will be used to expose students to resources and application of computer science. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are enhanced in this course to prepare students to be college and career ready. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Computer Science Principles is the second course in the pathways Programming and Computer Science in the Information Technology Cluster. Students enrolled in this course should have successfully completed Introduction to Digital Technology.

Programming, Games, Apps, and Society

Are you ready to design and develop? The course is designed for high school students to strategize, design, and develop games and mobile and desktop applications that can be produced in the real world. Students will learn about life cycles of project development and use models to develop applications. Attention will be placed on how user interfaces affect the usability and effectiveness of a game or an application. Programming constructs will be employed which will allow students' applications to interact with "real world," stimuli. The course exposes students to privacy, legality, and security considerations with regards to the software industry. Various forms of technologies will be used to expose students to resources, software, and applications of programming. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are enhanced in this course to prepare students to be college and career ready. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry. Competencies in the co-curricular student organization, Future Business Leaders of America (FBLA), are integral components of the employability skills standard for this course. Programming, Games, Apps and Society is the third course in the

Programming pathway in the Information Technology cluster. Students enrolled in this course should have successfully completed Introduction to Digital Technology and Computer Science Principles. After mastery of the standards in this course, students should be prepared to take the end of pathway assessment in this career area.

JOURNALISM CAREER CLUSTER
Journalism- Yearbook Pathway
Availability: Gordon Central High School and Sonoraville High School
Location: Gordon Central High School and Sonoraville High School
Journalism - Yearbook I, II, III, IV & Graphics – Yearbook I, II, III, IV

These courses explore journalistic writing through analysis of newspapers, yearbooks, literary magazines, and broadcast journalism publications. Students concentrate on purpose, influence, structure, and language use through reading, writing, and critical thinking. These courses cover news gathering, ethics, copy writing, editing, and revising. They also include typesetting, circulation, and production. Students interested in journalism must take Journalism - Yearbook first semester and Graphics 1 - Yearbook second semester and be approved to take these courses. Application required.

JROTC CAREER CLUSTER
JROTC- Army Pathway
Availability: Gordon Central High School and Sonoraville High School
Location: Gordon Central High School and Sonoraville High School
Army Leadership Education I, II, III, IV, V, VI, VII, VIII

The Junior Reserve Officer' Training Corps is a leadership education program. This program will help students build a strong knowledge base of self-discovery and leadership skills applicable to many leadership and managerial situations. Mastery of the Army Junior ROTC standards through project-based learning, service learning and leadership development activities will prepare students for the 21st Century leadership responsibilities. The curriculum focus is reflected in its mission statement, "To motivate young people to be better citizens."

MANUFACUTRING CAREER CLUSTER
Industrial Maintenance Pathway
Availability: Gordon Central High School and Sonoraville High School
Location: Gordon County College and Career Academy
Industrial Mechanics

This course introduces and emphasizes the basic skill necessary for mechanical maintenance personnel. Instruction is also provided in the basic physics concepts applicable to the mechanics of industrial production equipment, and the application of mechanical principles with additional emphasis on power transmission and specific mechanical components.

Fluid Power and Piping Systems

This course provides instruction in the fundamentals of safely operating hydraulic pneumatic and pump and piping systems. Theory and practical application concepts are discussed. Topics include hydraulic system principles and components, pneumatic system principles, and components and the installation, maintenance, and troubleshooting of pump and piping systems. * *Prerequisite: Industrial Mechanics.*

Electrical Motor Control

This course provides instruction in the fundamentals of electrical motors and wiring as it relates to the manufacturing environment. Topics include motor theory and magnetism, various control devices, identification of symbols and schematic diagrams and proper wiring. Students will review and learn to properly apply standards from the National Electrical Code and National Electrical Manufacturers Association. * *Prerequisite: Fluid Power and Piping Systems.*

<u>Introduction to Mechatronics - DC Theory, Pneumatic Systems, and Programmable Logic Controllers</u>
By completing this course, students will be introduced to direct current concepts and applications, pneumatic system fundamentals, and programmable logic controllers (PLCs). Topics include, but are not limited to, electrical laws and principles, magnetism, series, parallel, and simple combination DC circuits, pneumatic system principles and components, and PLC installation and programming. Theory and practical application concepts are discussed and illustrated through labs. Furthermore, this course introduces students to the operational theory, systems terminology, installation, and programming procedures for PLSs. Emphasis is placed on PLC programming, connections, installation, and start-up procedures. Other topics include timers and counters, relay logic instructions, and hardware and software applications.

SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM) CAREER CLUSTER
Engineering, Drafting and Design Pathway
DUAL ENROLLMENT PATHWAY- must meet enrollment qualifications and complete application process
Availability: Gordon Central High School and Sonoraville High School
Location: Gordon County College and Career Academy
<u>DFTG 1101 CAD Fundamentals</u>
Establishes safety practices as they relate to a drafting environment. Introduces basic CAD functions while presenting essential principles and practices for line relationships, scale, and geometric construction.
<u>DFTG 1103 Multiview/Basic Dimensioning</u>
Multiview/Basic Dimensioning provides multiview and pictorial sketching, orthographic drawing and fundamental dimensioning methods necessary to develop 2D and 3D views that completely describe machine parts for manufacture using intermediate CAD software techniques.
<u>DFTG 1105 3D Mechanical Modeling</u>
In the 3D Mechanical Modeling course, the student becomes acquainted with concepts of the software related to Parametric modeling for mechanical drafting. The student will develop the skills necessary to create 3D models and presentation/working drawings.
<u>DFTG 1107 Advanced Dimensioning/Sectional Views</u>
Advanced Dimensioning/Sectional Views continues dimensioning skill development and introduces tools for precision measurement and sectional views.

TRANSPORTATION, DISTRIBUTION, AND LOGISTICS CAREER CLUSTER
Automobile Maintenance and Light Repair Pathway
Availability: Gordon Central High School
Location: Gordon Central High School
<u>Basic Maintenance and Light Repair</u>
Basic Maintenance & Light Repair is the beginning course for the Automobile Maintenance & Light Repair 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 skills related to basic automobile maintenance and light repair. This course is prerequisite for any further study of Transportation.

<u>Maintenance and Light Repair 2</u>
Students will learn the basic skills needed to gain employment as a maintenance and light repair technician and will expose students to automotive preventative maintenance and servicing, as well as replacing brakes, and steering and suspension components. Students will also learn general electrical system diagnosis, electrical theory, basic test requirements, and determining necessary action. In addition, students will learn how to evacuate and recharge air-conditioning systems using the proper refrigerant. Standards for this course are aligned with ASE/NATEF standards and are an excellent foundation for the entry-level technician. *
Prerequisite: Basic Maintenance and Light Repair.

Maintenance and Light Repair 3
Course description is the same as above under Maintenance and Light Repair 2. * *Prerequisite: Maint. and Light Repair 2.*

Automobile Service Technology Pathway
Automobile Service Technology 4
Course description is the same as above under Maintenance and Light Repair 2. * *Prerequisite: Maint. and Light Repair 3.*

Automobile Service Technology 5
Course description is the same as above under Maintenance and Light Repair 2. * *Prerequisite: Automobile Service Tech. 4.*

Automobile Service Technology 6
Course description is the same as above under Maintenance and Light Repair 2. * *Prerequisite: Automobile Service Tech. 5.*

Master Automobile Service Technology Pathway
Automobile Service Technology 7
Course description is the same as above under Maintenance and Light Repair 2.
* *Prerequisite: Automobile Service Technology 6.*

Automobile Service Technology 8
Course description is the same as above under Maintenance and Light Repair 2.
* *Prerequisite: Automobile Service Technology 7.*

Automobile Service Technology Internship
In this course, students have the opportunity to practice finished work and develop problem solving skills. Students practice adaptability to job equipment and technology and exhibit progressive productivity and acceptable job performance. 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 Automobile Service marketplace. * *Prerequisite: Automobile Service Technology 8.*

WORLD LANGUAGES CAREER CLUSTER
Availability: Sonoraville High School
Location: Sonoraville High School
French Pathway
Students can earn a Pathway in French by completing three sequential French courses.

French Pathway:
French I or Honors French I
French II or Honors French II

French III or Honors French III

Additional French Course:
Honors French IV

Availability: Gordon Central High School and Sonoraville High School
Location: Gordon Central High School and Sonoraville High School
Spanish Pathway
Students can earn a Pathway in Spanish by completing three sequential Spanish courses.

Spanish I or Honors Spanish I
Spanish II or Honors Spanish II
Spanish III or Honors Spanish III

Additional Spanish Courses:
Honors Spanish IV
AP Spanish

ADDITIONAL ELECTIVE COURSES
(NOT INCLUDED IN PATHWAYS)

ACADEMICS
See PRESCRIBED CORE charts on pages 2-4 for information on academic elective availability.

PHYSICAL EDUCATION

General Physical Education
This course focuses on any combination or variety of team sports, lifetime sports, track and field events, outdoor education experiences, and recreational games. It provides basic methods to attain a healthy and active lifestyle.

Team Sports/Adv. Team Sports
These courses introduce fundamental skills, strategies, and rules associated with team sports such as basketball, volleyball, soccer, softball, baseball, field hockey, lacrosse, team handball, and flag football.

Lifetime Sports/Adv. Lifetime Sports
These courses introduce fundamental skills, strategies, and rules associated with lifetime sports such as bowling, golf, tennis, racquetball, baseball, badminton, roller skating, and skiing.

Weight Training/Advanced Weight Training
These courses increase strength and cardiovascular fitness through an individualized weight training program. They also emphasize self-management and adherence strategies.

Physical Conditioning /Advanced Physical Conditioning
These courses enhance cardiovascular endurance, flexibility, muscular strength and endurance and body composition. They also emphasize self-management and adherence strategies.

Exercise and Weight Control /Advanced Exercise and Weight Control
These courses provide self-management and adherence strategies to continue weight control through a safe and effective exercise program.

Body Sculpting /Advanced Body Sculpting
These courses provide additional opportunities to redefine body shape through specific exercises. They cover weight training, conditioning exercises and proper nutrition to improve muscle tone, muscle definition, posture, overall conditioning of the body and increased energy levels.

PSYCHOLOGY & SOCIOLOGY (Dual Enrollment)

Psychology
This course investigates the principles of psychology, developmental psychology, heredity and environmental aspects of psychology, learning theory, personality, intelligence, social disorders and research methods used in the study of psychology. Integrates and reinforces social studies skills. This course is taken concurrently with Sociology. To take this course, students must be at least 16 years of age and earn a qualifying score on the ASSET Test administered by Georgia Northwestern Technical College.

Sociology
This course investigates principles of sociology, the individual in groups, social institutions, social control and the use of research methods to examine social problems. Integrates and reinforces social studies skills. This course is taken concurrently with Sociology. To take this course, students must be at least 16 years of age and must earn a qualifying score on the ASSET Test administered by Georgia Northwestern Technical College.

WORKBASED LEARNING

Work Based Learning is designed for students of legal employment age pursuing a career in trade, industrial, or technical career areas. It offers employment placement and training relevant to career choices. It covers leadership skills, career planning, techniques for securing and maintaining a job, money management, and general occupational safety. It requires an on-file training plan that complements on-the-job and classroom components of the program. An application is required for this program, and students must have taken courses in the area of study in which they are employed.

GORDON CENTRAL HIGH SCHOOL
335 WARRIOR PATH
CALHOUN, GEORGIA 30701
706-629-7391

GORDON COUNTY COLLEGE AND
CAREER ACADEMY
305 BEAMER ROAD, SW
CALHOUN, GEORGIA 30701
706-879-5370

SONORAVILLE HIGH SCHOOL
7340 FAIRMOUNT HIGHWAY
CALHOUN, GEORGIA 30701
706-602-0320

GORDON COUNTY SCHOOLS
205 WARRIOR PATH
CALHOUN, GEORGIA 30701
706-629-7366

DR. KIMBERLY M. FRAKER
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