

**Georgia Cyber Academy Elective
Selection Guide 2022-2023**

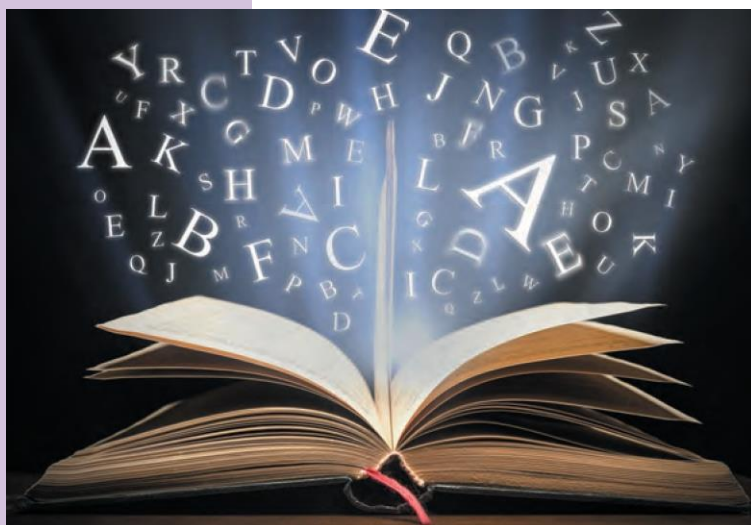


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ENGLISH



JOURNALISM - Elective Credit

Semester 1: 23.0320001

Semester 2: 23.0320002

PREREQUISITE(S): None

LENGTH OF COURSE: One Semester (Taken either Semester 1 or 2. Not both)

Students are introduced to the importance of journalism. They study the basic principles of print and online journalism as they examine the role of news media in our society. Students will learn the advances in journalism through developments in technology with use of Web 2.0 tools. They learn investigative skills and the ethical responsibility of reporting. They will discuss journalistic ethics and think critically about bias in reporting. Much of the course will focus on the students developing and improving their writing in a variety of styles and formats; voice, tone, syntax, vocabulary, structure, and editing techniques will also be addressed.

WRITER'S WORKSHOP-Elective Credit

Semester 1: 23.0310001

Semester 2: 23.0310002

PREREQUISITE(S): None

LENGTH OF COURSE: One Semester (Taken either Semester 1 or 2. Not both)

In Creative Writing, students read and analyze poetry, short stories, drama, and nonfiction in order to refine their own craft. Throughout this one semester course, students complete creative projects, online discussions, and journaling; develop vocabulary skills, and briefly refresh their knowledge of grammar, usage, and mechanics. Students enrolled in this course should be accomplished writers and are challenged to extend their knowledge and deepen their understanding of what it means to write creatively.

ORAL WRITTEN COMMUNICATION/SPEECH-Elective Credit

Semester 1: 23.0420001

Semester 2: 23.0420002

PREREQUISITE(S): None

LENGTH OF COURSE: One Semester (Taken either Semester 1 or 2. Not both)

This one semester course focuses on developing public speaking skills. The students will identify effective methods to arrange ideas and information in written form and then convert the written form into an effective oral delivery. The course focuses on critically thinking, organizing ideas, researching counter viewpoints, and communicating appropriately for different audiences and purposes. The students analyze professional speeches to enhance their knowledge of solid speech writing.



SOCIAL STUDIES



SOCIOLOGY- Elective Credit

Semester 1: 45.0310001

Semester 2: 45.0310002

PREREQUISITE(S): None

LENGTH OF COURSE: One Semester (Taken either Semester 1 or 2. Not both)

Sociology is the scientific study of human social interaction. Students will explore the processes by which people form and interact within and between groups. Emphasis will also be placed on the functions and characteristics of the five main social institutions (family, education, religion, economy and government). As sociology is a science, students will be introduced to sociological research methods and use these methods to evaluate current findings and claims in the social sciences. Finally, students will define and explore

current social issues and problems facing the world today.

PSYCHOLOGY- Elective Credit

Semester 1: 45.0150001

Semester 2: 45.0150002

PREREQUISITE(S): None

LENGTH OF COURSE: One Semester (Taken either Semester 1 or 2. Not both)

Students investigate 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. This course integrates and reinforces social studies skills.

CURRENT ISSUES - Elective Credit

Semester 1: 45.0120001

Semester 2: 45.0120002

PREREQUISITE(S): None

LENGTH OF COURSE: One Semester (Taken either Semester 1 or 2. Not both)

Course addresses the major socioeconomic and political events of the Post-World War II era. Students will study the following: current social, economic, and political issues; sources of information; the interaction of technology and society; the relationship between the environment and energy; criminal behavior; health and social welfare programs; education; immigration; human rights; issues surrounding the development and use of weapons of mass destruction; ideological and political conflict; world economic issues and international trade. A good historical understanding of these topics and well-developed communication skills (both oral and written) are strongly recommended for this course.



PHYSICAL EDUCATION



LIFETIME SPORTS

Semester 1: 36.0220001

Semester 2: 36.0220002

PREREQUISITES: None

LENGTH OF COURSE: One Semester (Taken either Semester 1 or 2. Not both)

This course introduces fundamental skills, strategies, and rules associated with lifetime sports such as bowling, golf, tennis, racquetball, baseball, badminton, roller skating, and skiing.

GENERAL PHYSICAL EDUCATION

Semester 1: 36.0110001

Semester 2: 36.0110002 PREREQUISITES: None

LENGTH OF COURSE: One Semester (Taken either Semester 1 or 2. Not both)

Focuses on any combination or variety of team sports, lifetime sports, track and field events, aquatics/water sports, outdoor education experiences, rhythmic/dance, recreational games, gymnastics, and self-defense; and provides basic methods to attain a healthy and active lifestyle.

INTRODUCTORY RECREATIONAL GAMES

Semester 1: 36.0270001

Semester 2: 36.0270002 PREREQUISITES: None

LENGTH OF COURSE: One Semester (Taken either Semester 1 or 2. Not both)

Introduces recreational games for lifetime leisure activities which may include table tennis, shuffleboard, frisbee, deck tennis, new games, horseshoes, darts and croquet. Emphasizes the rules of each game and the skills necessary to play.

FINE ARTS



VISUAL ARTS/ COMPREHENSIVE I

Semester 1: 50.0211001

Semester 2: 50.0211002

PREREQUISITES: None

LENGTH OF COURSE: Yearlong (Taken Semester 1 and Semester 2)

Introduces art history, art criticism, aesthetic judgment, and studio production- Emphasizes the ability to understand and use elements and principles of design through a variety of media, processes and visual resources. Explores master artworks for historical and cultural significance.

VISUAL ARTS/DRAWING I

Semester 1: 50.0311001

Semester 2: 50.0311002

PREREQUISITES: None

LENGTH OF COURSE: Yearlong (Taken Semester 1 and Semester 2)

Drawing 1 is a skill-based course in which we discuss and learn the fundamentals of design. It is intended to introduce students to the basic visual vocabulary and develop basic drawing skills. The emphasis of the course will include the elements and principles of design and focus on the improvement of visual composition through various drawing media and techniques.

VISUAL ARTS/DRAWING II

Semester 1: 50.0312001

Semester 2: 50.0312002

PREREQUISITES: Visual Arts/Drawing I

LENGTH OF COURSE: Yearlong (Taken Semester 1 and Semester 2)

Enhances level-one skills in technique and provides further exploration of drawing media; reinforces basic drawing skills and critical analysis skills for responding to master drawings of different historical styles and periods. Examines solutions to drawing problems through student drawings and those of other artists.

VISUAL ARTS/PHOTOGRAPHY I

Semester 1: 50.0711001

Semester 2: 50.0711002

PREREQUISITES: None

LENGTH OF COURSE: Yearlong (Taken Semester 1 and Semester 2)

Introduces photography as an art form; covers the historical development of photography, design elements and its cultural influences. Emphasizes digital photography and web and digital editing. Covers proper photography techniques and use of camera equipment. Students are required to have access to a digital camera for participation in the course. A digital camera will not be provided.

Visual Arts/Graphics I

Semester 1: 52.0721001

Semester 2: 52.0710002

Prerequisite Information: NONE

LENGTH OF COURSE: One Semester (Taken either Semester 1 or 2. Not both)

Introduces graphic design as seen in posters, advertisements, logos, illustrations, signs and package or product designs. Covers selected graphic design elements, vocabulary and the media, tools, equipment, techniques, processes and styles used for graphics. Investigates the historical development of graphics design and its function in contemporary society. Stresses using the computer as a major design tool; explores career opportunities

Dramatic Arts/Film/Video & Television I

Semester 1: 52.0710001

Semester 2: 52.0710002

Prerequisite Information: NONE

LENGTH OF COURSE: One Semester (Taken either Semester 1 or 2. Not both)

This one semester course provides an overview of film and television, and their relationship to literature and drama. Excerpts from literary fiction and non-fiction for film and television will be used along with companion film and television clips. Characterization, plot development, tone, and mood will be foundational aspects of this course as film and television comedy, drama, and non-fiction pieces are analyzed.



WORLD LANGUAGE



Please Note: While the Georgia Department of Education no longer requires students to complete two years of a world language for high school graduation, the University System of Georgia does require the completion of two years of the same world language or two years of sign language in order to be considered for admission. Universities may or may not accept World Language credit that appears on a high school transcript but was earned in Middle School.

PREPARING OUR STUDENTS FOR TOMORROW'S WORKPLACE

Second language skills are needed by students for the new global economy for the following reasons:

- Students interested in attending a 4 year college/university must have at least 2 years in a consecutive language taken in high school.
- The workplace of tomorrow is a world of many cultures and languages. With new forms of global commerce we can't even imagine today.
- 200,000 Americans annually lose out to jobs with business because they cannot communicate in another language.
- Monolingual speakers can be at a disadvantage in employment and political life.
- Managers who know how to deal with a diverse workforce will have an edge.
- 4 of 5 new jobs in the US are created as a result of foreign trade.
- 1/3 of all corporations in the US are either owned or based abroad.
- Georgia ranks 15th in the US in export sales.
- Students earning 3 or more high school credits in the same language meet the requirements for a World Language Pathway taken in high school.



WORLD LANGUAGE

SPANISH I

Semester 1: 60.0710001

Semester 2: 60.0710002

PREREQUISITE: None

LENGTH OF COURSE: Yearlong (Taken Semester A and Semester B)

Students begin their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Students master common vocabulary terms and phrases; comprehend a wide range of grammar patterns; instigate and continue simple conversations, and respond appropriately to basic conversational prompts; generate language incorporating basic vocabulary and a limited range of grammar patterns; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; and regularly assess progress in proficiency through quizzes, tests, and speaking/writing submissions. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.

SPANISH II

Semester 1: 60.0720001

Semester 2: 60.0720002

PREREQUISITE: Spanish I

LENGTH OF COURSE: Yearlong (Taken Semester A and Semester B)

Students expand vocabulary and use new grammar concepts through reading, writing, speaking, and listening. Interactive activities solidify vocab and grammar in context. Strong emphasis is placed on student production of speaking and writing when responding to given prompts and communicating with others in class. The online platform offered by GCA allows many students to produce language in tandem. Students will become global learners by analyzing the cultural practices, perspectives, and products of various Spanish-speaking countries.

SPANISH III

Semester 1: 60.0730001

Semester 2: 60.0730002

PREREQUISITE: Spanish II

LENGTH OF COURSE: Yearlong (Taken Semester A and Semester B)

In this expanding engagement with Spanish, students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. In addition, students read significant works of literature in Spanish, and respond orally or in writing to these works. Students master common and some specialized vocabulary terms and phrases; comprehend a wide range of grammar patterns; instigate and continue increasingly involved conversations, and respond appropriately to increasingly involved or open conversational prompts; generate language incorporating basic and some specialized vocabulary and a range of grammar patterns; recognize and respond to significant works of literature in Spanish; analyze and compare cultural practices, products, and perspectives of various Spanish-speaking countries; and regularly assess progress in proficiency through quizzes, tests, and speaking/writing submissions. Continuing the pattern and building on what students encountered in the first two years, each week consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages)

SPANISH IV

Semester 1: 60.0740001

Semester 2: 60.0740002

PREREQUISITES: Spanish III

LENGTH OF COURSE: Yearlong (Taken Semester A and Semester B)

The focus will be to increase the facility to speak on a wide range of topics, to develop a greater vocabulary, to develop listening skills, and to enhance communication skills. The students will gain insight into Hispanic cultures and civilizations. This fourth year of Spanish is a continuation of the first three years. The student will continue to sharpen listening, speaking, reading and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Throughout the five units of material, students learn to express themselves using an ever-increasing vocabulary, present-tense verbs, past-tense verbs, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is sprinkled throughout the course to help the learner focus on the Spanish speaking world and their culture, people, geographical locations and histories. The course is aligned to the national Foreign Language standards.



WORLD LANGUAGE

FRENCH I

Semester 1: 60.0110001

Semester 2: 60.0110002

PREREQUISITE: None

LENGTH OF COURSE: Yearlong (Taken Semester A and Semester B)

Parlez-vous français? Learn to communicate in French and explore the Francophone world! In Level I, students develop the four skills of language learning: understanding, speaking, reading, and writing, while learning about the culture of Francophone countries. Students master common vocabulary terms and phrases; comprehend a wide range of grammar patterns; instigate and continue simple conversations, and respond appropriately to basic conversational prompts; generate language incorporating basic vocabulary and a limited range of grammar patterns; analyze and compare cultural practices, products, and perspectives of various Francophone countries; and regularly assess progress in proficiency through quizzes, tests, and speaking/writing submissions.

FRENCH II

Semester 1: 60.0120001

Semester 2: 60.0120002

PREREQUISITE: French I

LENGTH OF COURSE: Yearlong (Taken Semester A and Semester B) Family...Occupations...Weekend activities...Food...Sports. Health...House...Shopping

This course is a continuation of the four skills plus further concentration on reading short articles, basic writing, and cultural awareness. Technology is integrated into the curriculum.

FRENCH III

Semester 1: 60.0130001

Semester 2: 60.0130002

PREREQUISITE: French II

LENGTH OF COURSE: Yearlong (Taken Semester A and Semester B)

Describing people...Chores...Environment...Shopping...Travel...Hotels

Further development of the language skills as well as reading of literary selections, viewing of authentic films, journal writing, and technology is covered.

American Sign Language I

Semester 1: 64.0310001

Semester 2: 64.0310002

PREREQUISITE: None

LENGTH OF COURSE: Yearlong (Taken Semester A and Semester B)

Introduction to basic knowledge about sign communication and deafness. Emphasis is placed upon acquisition of comprehension and production skills, knowledge of the Deaf community, and the development of cultural awareness.

ADDITIONAL ELECTIVES



TOOLS FOR COLLEGE SUCCESS

Semester 1: 35.0670001

Semester 2: 35.0670002

PREREQUISITES: None

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

Students explore their options for life after high school and implement plans to achieve their goals. They identify their aptitudes, skills, and preferences, and explore a wide range of potential careers. They investigate the training and education required for the career of their choice and creates a plan to be sure that their work in high school is preparing them for the next step. They also receive practical experience in essential skills such as searching and applying for college, securing financial aid, writing a resume and cover letter, and interviewing for a job. This course is geared toward students new to virtual education and guiding them in using the tools at their disposal for future success.

SCHOLASTIC ASSESSMENT TEST(SAT) PREPARATION

Semester 1: 35.0660001

Semester 2: 35.0660002

PREREQUISITES: None

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

Focuses on preparing students to take the Critical Reading, Mathematics, and Writing portions of the SAT

INTRODUCTION TO CAREER COMPETENCIES (CTAE CREDIT)

Semester 1: 32.4300001

Semester 2: 32.4300002

PREREQUISITES: None

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

In this course students acquire employability skills that ease their transition to the workforce. Specific skills within the course provide additional opportunities for students to sharpen academic and employability skills, financial literacy, multiple forms of communication strategies, mastery of technology and specific-related tools, workplace safety, and self-advocacy approaches. These essential skills and concepts need to be taught in an individualized basis to meet the academic and workplace skill-needs of students. Through participation in this career pathway, students will learn about the world of work by achieving academic challenges, participating in project-based learning activities, workplace enrichment experiences, and participation in a Career and Technical Student Organization (CTSO) that provides inner-personal and group-related leadership skills. Requisite Exposure: Teacher will need to allow or provide for guest speakers to visit classrooms to provide workforce simulations, information, and case studies. Teacher will also need to allow or provide for business and industry/community access through visits, tours, shadowing, internships, work-based learning, registered apprenticeship, and/or related opportunities such that students experience work-related settings.

COLLEGE, TECHNICAL AND AGRICULTURAL EDUCATION (CTAE) PATHWAYS

BUSINESS MANAGEMENT AND ADMINISTRATION

Careers with common knowledge and skills related to the preparation of students with computer skills for future college and career plans. Cluster skills mastered include planning, organizing, directing, and evaluating as well as owning and operating a successful business.

Business and Technology pathway

HOSPITALITY AND TOURISM

Careers with common knowledge and skills related to the management, marketing, and operations of restaurants, and other food services, lodging, attractions, recreation events, and travel related services.

Sports and Entertainment Marketing pathway

Hospitality, Recreation and Tourism pathway

HUMAN SERVICES

Careers with common knowledge and skills related to family and human needs such as nutrition and food science, counseling and mental health services, family and community services, personal care, and consumer services.

Nutrition and Food Services pathway

FINANCE

Careers with common knowledge and skills related money management, including planning, investing, and spending. Students gain career development skills for the finance world with opportunities that expand beyond basic business skills into financial literacy, banking, investing, insurance, and risk management.

Financial Services pathway

HEALTH SCIENCE

Careers with common knowledge and skills related to planning, managing, and providing services in therapeutics, diagnostics, health informatics, support areas, and biotechnology research and development.

Health Informatics/Health Information Management/Medical Office

INFORMATION TECHNOLOGY

Careers with common knowledge and skills related to the preparation for careers that create, use, modify, and engage technology skills. Graphics, multimedia animation, web design, game and application development, networking, and computer repair are all possibilities.

Web and Digital Design pathway

Computer Science pathway

MARKETING

Careers with common knowledge and skills related to the process of anticipating, managing, and satisfying consumers' demand for products, services, and ideas. The Marketing career cluster generates the strategy that underlies advertising and promotional techniques, business communication, and business development.

Marketing and Management pathway



BUSINESS AND TECHNOLOGY PATHWAY



INDUSTRY CREDENTIAL
*Microsoft Office Specialist
 Certification in Power Point*

Pathway of social, ethical, and human issues related to business and technology. Courses will provide an introduction to computer technology, decision making, productivity, communications, and problem-solving skills. Areas of instruction include integration of word processing, spreadsheet, database, and presentation software as well as the use of emerging technologies.

Pathway Concentration Courses

- Introduction to Business and Technology
- Business and Technology
- Business Communications

Recommended Courses

- Any business and computer science course
- Marketing Principles
- Work-Based Learning
- World Language

Post-Secondary Degrees, Diplomas, and Certificates

Technical Colleges

- Administrative Support Assistant
- Business Administrative Assistant
- Business Administrative Technology
- Certification in Microsoft Applications (MOAC)
- Data Entry Clerk
- General Office Assistant
- Microsoft Excel Application User
- Microsoft Office Application Professional
- Microsoft Word Application Professional

Colleges/Universities

- Business
- Business Administration
- International Business

Top Career Choices

Administrative Services Manager

Bachelor Degree needed
 \$68,016 annual salary
 420 annual average openings in Georgia

Executive Secretary and Administrative Assistant

Moderate On-the-Job Training needed
 \$37,378 annual salary
 1,620 annual average openings in Georgia

Legal Secretary

Post-Secondary Vocational Award needed
 \$36,338 annual salary
 270 annual average openings in Georgia

Medical Transcriptionist

Post-Secondary Vocational Award needed
 \$30,514 annual salary
 130 annual average openings in Georgia

Additional Career Choices

- Administrative Assistant
- Communications Equipment Operator
- Computer Operator
- Court Reporter
- Customer Service Assistant
- Data Entry Specialist

- Dispatcher
- Executive Assistant
- Human Resource Specialist
- Information Assistant
- Office Manager
- Payroll Specialist
- Receptionist
- Shipping and Receiving Personnel
- Word Processor

HOSPITALITY, RECREATION AND TOURISM PATHWAY



Georgia represents the 8th largest tourism economy in the country and the 2nd largest industry in Georgia. The Hospitality, Recreation and Tourism Industry consists of the following Lodging, Hotels and Resorts; Conventions, Meetings, Trade Shows and Events; Restaurants and Food Service; Recreation, Attractions, Sporting Events and Parks and Travel, including Air, Rail, Auto and Coach. Since the

industry is primarily a service-oriented industry, workers will need good communication skills, and they will have to understand the importance of meeting the needs of individuals.

Pathway Concentration Courses

- Marketing Principles
- Hospitality, Recreation, and Tourism Essentials
- Hospitality, Recreation, and Tourism Management

Recommended Courses

- Any business or computer course
- Work-Based Learning
- World Language

Post-Secondary Degrees, Diplomas, and Certificates

- Adventure Tourism
- Communications
- Culinary
- Hospitality Management
- Hospitality Operations Management
- International Tourism
- Marketing Management
- Meetings & Event Planning
- Sports Marketing
- See www.GAfutures.org for additional information

Top Career Choices

Meeting, Convention, Events Planners

High School and on the job training
\$47,350 per year
10% increase expected

Hotel and Lodging Managers

Bachelor Degree needed
\$51,840 per year

Restaurant Manager

High School and on the job training
\$50,820 per year

Travel Agent

High School and on the job training
\$36,460 per year

Public Relations

Bachelors degree
\$58,020 per year

Additional Career Choices

Activities Director
Brand Manager
Catering Manager
Communications Specialist
Country Club Marketing and Management
Cruise Director
Customer Account Representative
Economic Development Specialist
Entertainment Marketer
Entrepreneur
Golf Course Marketing and Management
Hotel Management
Insurance Agent
International Tourism Management
Parks and Recreation Management
Purchaser
Real Estate Agent
Recreation and Amusements Marketer
Restaurant Management
Sales Representative
Social Media Marketer
Sports and Entertainment Marketer
Sports Marketing Management
Tourism Director
Travel Agent
Travel Blogger
Travel Planner

SPORTS AND ENTERTAINMENT MARKETING PATHWAY



*Entertainment related to film and TV, music, gaming, digital media, and sports marketing are huge in Georgia. In addition to basic knowledge and skills in management and entrepreneurship, students will apply their knowledge and skills in order to master the industry's terminology, market arenas and venues, obtain sponsorships, maintain solid media relations, coordinate and manage campaigns and events, etc. This pathway culminates with an opportunity for students to take the MBA Research "A*S*K Marketing Concepts" end of pathway assessment or the NOCTI "Marketing Education Manager Trainee" end of pathway assessment.*

Pathway Concentration Courses

- Marketing Principles
- Introduction to Sports and Entertainment Marketing
- Advanced Sports and Entertainment Marketing

Recommended Courses

- Advanced Marketing
- Any business and computer science course
- Entrepreneurship
- Work-Based Learning
- World Language

Post-Secondary Degrees, Diplomas, and Certificates

Technical Colleges

- Business Administration
- Executive Coaching
- Expert Sales Management
- Project Management
- Visual Merchandising

Colleges/Universities

- Accounting
- Advertising
- Bridal Consultant
- Business Economics
- Communication
- Graphic Arts
- Hospitality Administration
- Management
- Marketing
- Professional Sales
- Sport Management
- Travel/Tourism

Top Career Choices

Marketing Manager

Bachelor Degree needed
\$94,307 annual salary
310 annual average openings in Georgia

Marketing Research Analyst

Bachelor Degree needed
\$61,464 annual salary
210 annual average openings in Georgia

Public Relations Specialist

Bachelor Degree needed
\$48,672 annual salary
120 annual average openings in Georgia

Recreation Worker

Short-Term On-the-Job-Training needed
\$21,570 annual salary
260 annual average openings in Georgia

Additional Career Choices

Advertising Account Executive
Agent
Brand Manager
Cashier
Communications Specialist
Customer Service Representative
Demonstrator and Product Promoter
Entertainment Marketer
Entrepreneur
Fashion Retailer
Market Research Analyst
Marketing Specialist
Media Buyer
Product Development Management
Public Relations Specialist
Purchaser
Retail Buyer
Retail Salesperson
Sales
Sales Representative
Sign Maker
Sports Marketer
Website Designer
Web Developer
Webmaster

NUTRITION AND FOOD SERVICES PATHWAY



INDUSTRY CREDENTIAL

ServSafe Food Safety Handler

Employment in this field is expected to grow faster than average through 2014 as a result of the increasing emphasis on disease prevention through improved dietary habits. A growing and aging population will increase the demand for meals and nutritional counseling agencies in hospitals, residential care facilities, schools, prisons, community health programs, and home health care.

Pathway Concentration Courses

- Food, Nutrition, and Wellness
- Food for Life (counts as 4th Science)
- Food Science (counts as 4th Science)

Recommended Courses

- Any business and computer science course
- Any science elective
- Early Childhood Education I
- Work-Based Learning
- World Language

Post-Secondary Degrees, Diplomas, and Certificates

Technical Colleges

- Culinary Arts
- Food and Beverage Management
- Food Production Assistant, Worker, or Apprentice
- Hotel/Restaurant/Tourism Management

Colleges/Universities

- Dietetics/Dietician
- FACS Education
- Food, Nutrition and Wellness Studies
- Food Science and Technology
- See www.GAfutures.org for additional information.

Career and Technical Student Organizations

- FCCLA
- SkillsUS

Top Career Choices

Chef and Head Cook

Work experience needed
\$31,304 annual salary
110 annual average openings in Georgia

Dietician/Nutritionist

Bachelor Degree needed
\$42,619 annual salary
80 annual average openings in Georgia

Food Scientist and Technologist

Bachelor Degree needed
\$55,869 annual salary
10 annual average openings in Georgia

Food Services Manager

Work experience needed
\$46,384 annual salary
400 annual average openings in Georgia

Health Education

Master Degree needed
\$53,290 annual salary
90 annual average openings in Georgia

Additional Career Choices

Agricultural Engineer
Biochemist
Chemical Technician
Consumer Representative
Dietetic Technician
Family and Consumer Science Teacher
Flavorist
Food Inspector
Food Service Manager
Geriatric Food Designer
Health Educator
Health Inspector
Microbiologist
Product Evaluation Scientist
Research and Development Specialist
Sensory Scientist
Teacher Educator
Technical Writer
Toxicologist

FINANCIAL SERVICES PATHWAY



This Pathway uses project based instruction to introduce students 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.

Pathway Concentration Courses

- Introduction to Business and Technology
- Financial Literacy
- Banking, Investing and Insurance

Recommended Courses

- Accounting 1 and 2
- Business Foundation and Business Management
- Financial Management
- Marketing 1 and 2
- Personal Financial Literacy
- Personal and Business Law 1 and 2
- Web Design
- World Language

Post-Secondary Degrees, Diplomas, and Certificates

Technical Colleges, Colleges/Universities

- Financial Planning
- Business Administration-Financial Analysis
- Accounting
- Consumer and Family Financial Services
- Disaster Relief Insurance Claim Adjuster

Top Career Choices

Auditor

Bachelor Degree needed
\$73,910 annual salary

Insurance Sales Agent

1-2 years Post-Secondary training needed
\$62,790 annual salary

Claims Adjuster

Post-Secondary training plus on-the-job training needed
\$63,220 annual salary

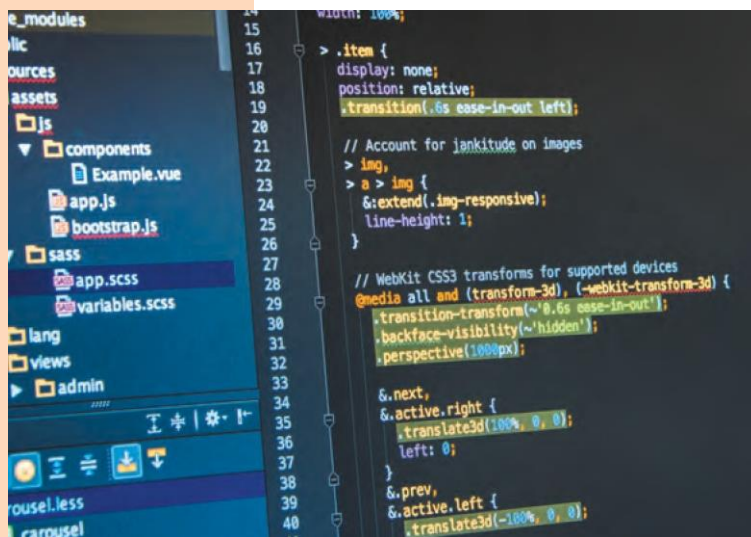
Accountant

Bachelor Degree needed
\$73,910 annual salary

Additional Career Choices

Business Teacher
Financial Project Specialist
Financial Planner
Research
Sales and Service

WEB AND DIGITAL DESIGN PATHWAY



INDUSTRY CREDENTIAL

W3Schools HTML Certification

This pathway instructs students on the basics of designing a web page and leads to advanced web design and 3D animation. Web design can be found in every area of business and industry, as well as in individuals' personal life. Students will have the opportunity to learn skills that will help them create web pages, gaming and other digital media features.

Pathway Concentration Courses

- Introduction to Digital Technology
- Digital Design
- Web Design

Recommended Courses

- Any business and computer science course
- Broadcast/Video Production
- Introduction to Graphics and Design
- Marketing Principles
- World Language
- Yearbook/Journalism

Post-Secondary Degrees, Diplomas, and Certificates

Technical Colleges

- Computer Animation and Multimedia
- Computer Simulation
- Digital Media
- Internet Specialist - Web Site Design
- Printing and Graphics Technology
- Web Site Designer

Colleges/Universities

- Animation
- Computational Media
- Computer Science
- Graphic Designer

Top Career Choices

Computer Specialist

- Associate Degree needed
- \$55,640 annual salary
- 80 annual average openings in Georgia

Graphic Designer

- Bachelor Degree needed
- \$44,034 annual salary
- 160 annual average openings in Georgia

Multi-Media Artist and Animator

- Bachelor Degree needed
- \$44,554 annual salary
- 40 annual average openings in Georgia

Additional Career Choices

- Computer Service Technician
- Database Developer
- Graphic Designer
- Help Desk Support
- Illustrator
- Internet Specialist
- Multimedia Developer
- Network Analyst
- Network Engineer
- Programmer
- Project Manager
- Software Trainer
- Video Game Developer
- Web Developer
- Webmaster
- Website Designer

COMPUTER SCIENCE PATHWAY



Careers in Computer Science lead individuals to create, modify, and test codes - all while inventing and designing new approaches to computing technology and finding innovative uses for existing technology. Career area focus requires solving complex problems in computing for business, medicine, science, and other fields.

Pathway Concentration Courses

- Introduction to Digital Technology
- Computer Science Principles
- AP Computer Science (counts as 4th Science or 4th Math)

Recommended Courses

- Any Advanced Math Course
- Any Business and Computer Science Course
- Entrepreneurship
- World Language

Post-Secondary Degrees, Diplomas, and Certificates**Technical Colleges**

- Computer Engineering Technology
- Electromechanical Engineering Technology
- Telecommunications Engineering Technology
- Industrial Engineering Technology
- Electrical and Computer Engineering Technology
- Computer Engineering Technology
- Computer System Design Specialist
- Network Design Technology Specialist
- Network Specialist

Colleges/Universities

- Computer Systems Engineering
- BA with a Major in Applied Computer Science
- BS with a Major in Computer Science
- BS with a Major in Computer Game Design and Development

Top Career Choices

Employment of computer programmers is expected to increase 12 percent from 2010 to 2020, about as fast as the average for all occupations.

Computer Programmers

Bachelor Degree needed
\$75,400 annual salary
230 annual average openings in Georgia

Computer System Analysts

Bachelor Degree needed
\$73,800 annual salary
810 annual average openings in Georgia

Software Developers, Application

Bachelor Degree needed
\$86,300 annual salary
340 annual average openings in Georgia

Additional Career Choices

Computer Hardware Engineers
Computer Info Systems Managers
Computer Network Architects
Computer Programmers
Computer System Analysts
Database Administrators
Information Security Analysts
Network Computer Systems Administrators
Software Engineers
Video Game Designers

MARKETING AND MANAGEMENT PATHWAY



Students develop knowledge and skills in the foundational areas of marketing (economics, human relations and business basics) and the functional areas of marketing (product and service planning, marketing-information management, purchasing and pricing, selling and promotion, risk management, financing and distribution/logistics, as well as international marketing, management and entrepreneurship.

Pathway Concentration Courses

- Marketing Principles
- Marketing and Entrepreneurship
- Marketing Management

Recommended Courses

- Any business and computer science course
- Sports and Entertainment Marketing
- Work-Based Learning
- World Language

Post-Secondary Degrees, Diplomas, and Certificates

Technical Colleges

- Business Administration
- Entrepreneurship
- Expert Sales Management
- Fashion Design and Marketing
- Retail and Merchandising

Colleges/Universities

- Accounting
- Advertising
- Business Economics
- Communication
- Graphic Arts
- Hospitality Administration
- International Business
- Management
- Marketing
- Professional Sales
- Real Estate
- Risk Management and Insurance

Top Career Choices

Chief Executive Officer

Base annual salary \$80,253-\$253,036
National average annual salary \$187,000

Global Marketing Manager

Base annual salary \$59,963-\$144,916
National average annual salary \$103,000

Content Marketing Director

Base annual salary \$54,506-\$145,269
National average annual salary \$92,000

Creative Director

Base annual salary \$44,426-\$152,383
National average annual salary \$85,000

Additional Career Choices

Advertising Director
Digital Marketing
E-Commerce Marketing Director
Finance Manager
International Marketing Executive
Public Relations Manager
Sales Director
Social Media Director
Sports and Entertainment Agent
Real-Estate Agent
Retail Salesperson
Telemarkete

CTAE ELECTIVES

Understanding CTAE Pathways

Career Pathways refer to prescribed order of courses that are intended to develop student's academic and occupational skills within a career category. Throughout the course of study, students will gain an understanding of the relationship between what they learn in school and what employers, colleges and universities expect of high school graduates wishing to enter a specific career field.

CTAE Pathways

PATHWAY	STATE COURSE CODE	COURSE NAME
MARKETING AND MANAGEMENT	08.474	Marketing Principles
	08.441	Marketing and Entrepreneurship
	08.442	Marketing Management
WEB AND DIGITAL DESIGN	11.415	Intro to Digital Technology
	11.451	Digital Design
	11.452	Web Design
COMPUTER SCIENCE	11.415	Intro to Digital Technology
	11.471	Computer Science Principles
	11.016	AP Computer Science
GAME DESIGN	11.415	Intro to Digital Technology
	11.471	Computer Science Principles
	11.429	Game Design: Animation & Simulation
FINANCIAL SERVICES	07.4413	Introduction to Business and Technology
	07.426	Financial Literacy
	07.431	Banking, Investing, and Insurance

BUSINESS AND TECHNOLOGY	07.4413	Introduction to Business and Technology
	07.441	Business and Technology
	07.451	Business Communications
HOSPITALITY, RECREATION & TOURISM	08.474	Marketing Principles
	08.453	Hospitality, Recreation, and Tourism Essentials
	08.454	Hospitality, Recreation, and Tourism Management
HEALTH INFORMATICS/ HEALTH INFORMATION MANAGEMENT/ MEDICAL OFFICE	25.521	Introduction to Healthcare Science
	25.440	Essentials of Healthcare
	25.497	Health Information Management - Medical Office
SPORTS & ENTERTAINMENT MARKETING	08.474	Marketing Principles
	08.478	Introduction to Sports and Entertainment Marketing
	08.485	Advanced Sports and Entertainment Marketing
NUTRITION AND FOOD SERVICES	20.41610	Food, Nutrition, and Wellness
	20.41400	Food for Life
	20.41810	Food Science

CTAE Elective Course Descriptions

Students should take courses in the prescribed order within the chosen pathway to allow for maximum success as the student progresses to the upper-level courses. Students are expected to complete all prerequisites prior to enrolling in upper level courses. Prerequisites will be enforced in all courses. Courses with prerequisites should not be taken at the same time.

INTRO TO DIGITAL TECHNOLOGY

11.4150000

PREREQUISITES: None

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

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. A foundational knowledge in hardware, software, programming, web design, IT support, and networks are all taught with hands-on, project-focused tasks. 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.

DIGITAL DESIGN

11.4510000

PREREQUISITE: Intro to Digital Technology

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

Using web design as the platform for product design and presentation, students will create and learn digital media applications using elements of text, graphics, animation, sound, video and digital imaging for various formats. The digital media and interactive media projects developed and published showcase the student skills and ability. Emphasis will be placed on effective use of tools for interactive multimedia production including storyboarding, visual development, project management, digital citizenship, and web processes.

WEB DESIGN

11.4520000

PREREQUISITES: Intro to Digital Technology and Digital Design

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

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. Class activities are project-based and give students an opportunity to practice web design fundamentals while learning technical skills including Hyper Text Markup Language (HTML) coding and web design software.

COMPUTER SCIENCE PRINCIPLES

11.4710000

PREREQUISITE: Intro to Digital Technology

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

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.

AP COMPUTER SCIENCE PRINCIPLES

11.2160000

PREREQUISITE: Intro to Digital Technology and Computer Science

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

Offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science

GAME DESIGN: ANIMATION AND SIMULATION

11.4290000

PREREQUISITES: Intro to Digital Technology and Computer Science Principles

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

Students completing this course will gain an understanding of the fundamental principles used at every stage of the game creation process, including exploring game genres, modes of play, concept drawing using 2D and 3D art, level design, storytelling and the development of a virtual gaming world.

MARKETING PRINCIPLES

08.4740000

PREREQUISITE: None

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

Marketing Principles addresses all the ways in which marketing satisfies consumer and business needs and wants for products and services. Students develop a basic understanding of: Employability, Foundational and Business Administration skills, Economics, Entrepreneurship, Financial Analysis, Human Resources Management, Information Management, Marketing, Operations, Professional Development, Strategic Management, and Global Marketing strategies. Students will have an opportunity to use and develop various marketing tools for theoretical businesses, as well as, for well-known businesses of their choice.

MARKETING AND ENTREPRENEURSHIP

08.4410000

PREREQUISITE: Marketing Principles

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

Marketing and Entrepreneurship is the second course in the Marketing and Management Career Pathway. This course may be taken as a part of a student's Marketing Pathway or may serve as a stand-alone course for students in other disciplines wishing to explore business ownership. The Marketing and Entrepreneurship course builds on the theories learned in Marketing Principles by providing practical application scenarios and writing a marketing plan for a small business.

Entrepreneurship is an imperative component of a strong economy and is based on individuals who are creative thinkers and risk takers. Therefore, students in this course focus on recognizing a business opportunity, starting a business based on the recognized opportunity, and operating and maintaining that business effectively. Preparation of a business plan allows students to apply the functional areas of accounting, finance, marketing, and management to the planned business, as well as to the legal and economic environments in which a new small business operates.

MARKETING MANAGEMENT

08.4420000

PREREQUISITES: Marketing Principles and Marketing and Entrepreneurship

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

Students assume a managerial perspective by applying economic principles in marketing, analyzing operation's needs, examining channel management 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 includes global marketing where students analyze marketing strategies employed in the United States versus those employed in other countries.

CONTEMPORARY ISSUES IN EDUCATION

13.0120000

PREREQUISITES: Examining the Teaching Profession

LENGTH OF COURSE: Year-long (Semester A/Semester B)

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 examine 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

Semester 1: 13.0130000

PREREQUISITES: Examining the Teaching Profession and Contemporary Issues in Education

LENGTH OF COURSE: Year-long (Semester A/Semester B)

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.

INTRODUCTION TO BUSINESS AND TECHNOLOGY

Semester 1: 07.4413000

PREREQUISITE: None

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

Introduction to Business & Technology is the foundational course for several business-centered pathways. Emphasis is placed on developing fundamental computer skills required for all career pathways. Students will learn the essentials for working in a business environment, managing a business, and owning a business. Employability skills are integrated into activities, tasks, and projects throughout the 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.

FINANCIAL LITERACY

07.426000

PREREQUISITE: Introduction to Business and Technology.

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

Students need to be informed about their financial responsibilities today and to prepare for the real choices ahead. In this course they will learn about career decisions, money management, financial security, credit management, resource management, risk management, and consumer rights and responsibilities. Business partnerships with financial companies, guest speakers, and many, many other learning activities can be incorporated in this course. Want to know how to buy your own car? Open a checking account? Apply for a credit card? Learn to do your taxes? All this and much more will be explored as you develop an awareness of financial responsibilities with an emphasis on banking, credit, consumer rights, investing, taxes, and budgeting.

BUSINESS AND TECHNOLOGY

07.441000

PREREQUISITE: Introduction to Business and Technology

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

How is technology used to solve business problems and communicate solutions? Business and Technology is designed to prepare students with the knowledge and skills to be an asset to the collaborative, global, and innovative business world of today and tomorrow. Mastery use of spreadsheets and the ability to apply leadership skills to make informed business decisions will be a highlight of this course for students. Publishing industry appropriate documents to model effective communication and leadership will be demonstrated through project based learning. Students will use spreadsheet and database software to manage data while analyzing, organizing and sharing data through visually appealing presentations. Various forms of technologies will be used to expose students to resources, software, and applications of business practices. 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.

BANKING, INVESTING, AND INSURANCE

07.431000

PREREQUISITE: Introduction to Business and Technology and Financial Literacy

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

Basics of banking and credit include a brief history of money and banking, negotiable instruments, creation of credit, and the function of banks. Methods for measuring the financial performance of financial institutions are analyzed. Students will be introduced to a variety of investment options and learn to determine the appropriate options for an investment goal. By analyzing financial reports and

employing other tools to predict growth rates and return on investment, students will develop strategies to produce financial growth strategies for a business. Through projects, students will determine the risks faced by individuals and businesses and decide on the proper risk management techniques to mitigate those risks. Investigating both personal and business insurance products and deciding which products are suitable for a specific customer profile will be covered. Ethical issues and case studies involved in the financial services industry will be used to determine how industry regulations are developed. An investigation of careers in the financial services industry will be explored throughout this course. Concepts of this course will be enhanced by business partnerships with community financial institutions, investment firms, insurance companies.

BUSINESS COMMUNICATIONS

07.451000

PREREQUISITE: Introduction to Business and Technology and Business and Technology

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

As one of the most important skills for employers, students will explore the value of communication in their personal and professional life. The digital presence and impact of written and visual communication in a technological society will be addressed. Students will create, edit, and publish professional-appearing business documents with clear and concise communication. Creative design, persuasive personal and professional communications will be applied through research, evaluation, validation, written, and oral communication. Leadership development and teamwork skills will be stressed as students work independently and collaboratively. Presentation skills will be developed and modeled for students to master presentation software in this course.

HOSPITALITY, RECREATION, AND TOURISM ESSENTIALS

08.453000

PREREQUISITE: Marketing Principles

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

The second course in the Hospitality, Recreation and Tourism Pathway educates students on the basics of marketing and business in relation to the hospitality, recreation, and tourism industry in the U.S. and abroad. Students will study destination geography, world economies, and historical timelines related to major segments of the hospitality industry. Students will determine how the lodging industry uses marketing to achieve goals. The vital roles of group, convention and meeting planning, human relations, communications and ethics will be discussed along with the recreation industry segment.

HOSPITALITY, RECREATION, AND TOURISM MANAGEMENT

08.454000

PREREQUISITE: Marketing Principles and Hospitality, Recreation, and Tourism Essentials

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

The third course in the Hospitality, Recreation and Tourism (HRT) Pathway will ensure that students develop a leadership perspective about social, environmental, economic and consumer factors impacting the HRT industry. Students will analyze operations, control systems, management structures, service levels, cost effective operations and related technology. Students will demonstrate skills in handling legal and liability issues and human resources functions. Throughout the course, students will develop an innate understanding that exemplary customer service skills define success in the industry.

INTRODUCTION TO SPORTS & ENTERTAINMENT MARKETING

08.478000

PREREQUISITE: Marketing Principles

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

This course introduces the student to the major segments of the Sports and Entertainment Industry and the social and economic impact the industry 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 Skill, Selling, Marketing Information Management, Economics, Distribution, Pricing, Advertising, Publicity/Public Relations, Sales Promotion, Business Risks, and Organization.

ADVANCED SPORTS & ENTERTAINMENT MARKETING

08.485000

PREREQUISITE: Marketing Principles and Introduction to Sports & Entertainment Marketing

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

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.

INTRODUCTION TO HEALTHCARE SCIENCE

25.521000

PREREQUISITE: None

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

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.

ESSENTIALS OF HEALTHCARE

25.44000

PREREQUISITE: Introduction to Healthcare Science

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

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.

HEALTH INFORMATION MANAGEMENT - MEDICAL OFFICE

25.497000

PREREQUISITE: Introduction to Healthcare Science and Essentials of Healthcare

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

This course will orient the student to health information management and working in a medical office. Topics include introducing students to skills and knowledge utilized in a medical office, the structure of healthcare in the United States, healthcare providers, and the structure and function of professional organizations. The course provides students with medical office computer and software skills that include hardware and software components of computers for medical record applications; database software and information management; specialized information management systems in healthcare; methods of controlling confidentiality and patient rights; and accuracy and security of health information data in computer systems.

FOOD, NUTRITION, AND WELLNESS

20.416100

PREREQUISITE: None

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

Food, Nutrition and Wellness is the foundational course in the nutrition and food science pathway. The focus of the course is centered on healthy food and lifestyle choices. Students will investigate the interrelationship of food, nutrition and wellness to promote good health.

FOOD FOR LIFE

20.414000

PREREQUISITE: Food, Nutrition, and Wellness

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

Food for Life 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 elderly. 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.

FOOD SCIENCE

20.418100

PREREQUISITE: Food, Nutrition, and Wellness and Food for Life

LENGTH OF COURSE: Yearlong (Semester A/Semester B)

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. Related careers will be explored.

GRADUATION REQUIREMENTS

A total of 23 specific units (credits) are required to meet graduation requirements.

SUBJECT	REQUIRED COURSES	CREDITS NEEDED
English/Language Arts (ELA)	<ul style="list-style-type: none"> • 9th Grade Literature (1 unit) • American Literature (1 unit) • 2 additional units of ELA 	4
Mathematics	<ul style="list-style-type: none"> • Algebra 1 (or its equivalent) (1 unit) • Geometry (or its equivalent) (1 unit) • Algebra 2 (or its equivalent) (1 unit) • 1 additional unit of Math <ul style="list-style-type: none"> • Course can come from GSE/AP/IB/Dual Enrollment designated courses 	4
Science	<ul style="list-style-type: none"> • Biology (1 unit) • Physical Science OR Physics (1 unit) • Chemistry, Earth Systems, Environmental Science or an AP/IB course (1 unit) • 1 additional unit of Science 	4
Social Studies	<ul style="list-style-type: none"> • World History (1 unit) • US History (1 unit) • Economics (.5 unit) • American Government (.5 unit) 	3
Health and PE	<ul style="list-style-type: none"> • General Health (.5 unit) • Personal Fitness (.5 unit) <ul style="list-style-type: none"> • Three units of JROTC may be used to address this requirement only) 	1
CTAE, World Language, Fine Arts	<ul style="list-style-type: none"> • Students are encouraged to select 3 units in a focused area of interest: <ul style="list-style-type: none"> • CTAE – Career Pathway • Modern Language • Students seeking admission into a 4-year college/university in Georgia must take a minimum of 2 units in the SAME language • Fine Arts – Area of interest 	3
Additional Electives	<ul style="list-style-type: none"> • 4 units in addition to the courses prescribed above 	4
TOTAL UNITS NEEDED FOR GRADUATION		23