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ADVANCED ACCOUNTING students will learn how to make decisions about planning, organizing, and allocating resources using accounting procedures. Performing accounting activities for sole proprietorships and corporations following Generally-Accepted Accounting Procedures are also included. Students analyze business transactions and financial statements, perform payroll, and evaluate the effects of transactions on the economic health of a business. They will also learn about uncollectible accounts, plant assets, inventory, notes payable and receivable, prepaid and accrued expenses, and more.

PATHWAY COURSES

Introduction to Business and Technology Principles of Accounting I Principles of Accounting II

CAREER CHOICES

Bank Teller and Manager

Chief Financial Officer

Controller

Corporate Finance Professional

Credit Analyst

Financial Counselor

Financial Manager

Insurance Agent and Broker

Investment Banker

Loan Officer

Personal Financial Advisor

INDUSTRY CREDENTIAL (Credential of Value): QuickBooks Certification

A/V Technology and Film



A/V TECHNOLOGY AND FILM students will design, manufacture, operate and/or repair audio visual equipment, create presentations of sound, video, and data in a variety of formats, gather information, prepare broadcasts, build sets, and operate equipment used to record and transmit programs and/or motion pictures, and operate sound mixing and/or video editing equipment.

PATHWAY COURSES

Audio and Video Technology and Film I Audio and Video Technology and Film II Audio and Video Technology and Film III

CAREER CHOICES

Audio and Video Equipment

Technician

Broadcast News Analyst

Broadcast Technician

Camera Operator

Control Room Technician

Editor

Journalist

Radio and Television Announcer

Reporter

Sound Technician

Station Manager

INDUSTRY CREDENTIAL (Credential of Value): Adobe Certified Associate

Business Accounting



BUSINESS ACCOUNTING will experience strong growth in accounting jobs throughout the next decade is expected to occur due to the increased growth in the number of new businesses and stricter accounting and auditing regulations.

PATHWAY COURSES

Introduction to Business and Technology Financial Literacy Principles of Accounting I

CAREER CHOICES

Auditing Clerk

Auditor

Bookkeeper

Budget Analyst

Certified Public Accountant

Corporate Accountant

Financial Advisor or Analyst

Forensic Accountant

Government Accountant

Income Tax Professional

Non-Profit Accountant

INDUSTRY CREDENTIAL (Credential of Value): NOCTI Accounting-Basics

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CLOUD COMPUTING students will develop an overall understanding of cloud computing, cloud concepts, core services, security, architecture, and support. Technical content includes designing, developing, and deploying a virtual private network, creating a cloud environment that is scalable, and demonstrating safe use of big data. Students will also dive deeply into cloud computing best practices and learn how cloud computing helps users develop a global infrastructure.

PATHWAY COURSES

Intro to Software Technology Computer Science Principles or AP CS Principles Cloud Computing

CAREER CHOICES

Software Engineer

Cloud Engineer

Data Engineer

System Engineer

Full Stack Developer

Java Developer

Data Scientist

Systems Administrator

.NET Developer

Front-end Developer

INDUSTRY CREDENTIAL (Credential of Value): Not Yet Approved by the Georgia Department of Education

Computer Science



COMPUTER SCIENCE students will prepare for entrylevel, technical, and professional IT careers, including the design, development, implementation, and maintenance of computer systems and software, as well as knowledge of computer operating systems, programming languages, and software development required of cutting-edge technologies. Students will build a solid understanding and foundation of computer science which emphasis on computational thinking practices: connecting computing, developing computational artifacts, abstracting, analyzing problems and artifacts, communicating, and collaborating.

PATHWAY COURSES

Introduction to Digital Technology Computer Science Principles or AP CS Principles **AP Computer Science**

CAREER CHOICES

Computer Hardware Engineers

Computer Network Architects

Computer Programmers

Computer System Analysts

Database Administrators

Information Security Analysts

Information Systems Managers

Network Administrators

Software Developers

Software Engineers

Video Game Designers

INDUSTRY CREDENTIAL (Credential of Value): Microsoft Technology Associate (MTA): Software Development Fundamentals

Culinary Arts



CULINARY ARTS students will complete a variety of skills required by the restaurant and food industry such as knife skills, cooking techniques, menu planning, food purchasing and costing, food safety and sanitation, and front of the house service. The pathway allows students to develop in-depth knowledge and hands-on skill mastery of culinary arts and allows them to refine hands-on production of the classic fundamentals in the commercial kitchen.

PATHWAY COURSES

Introduction to Culinary Arts Culinary Arts I Culinary Arts II

CAREER CHOICES

Cake Designer

Caterer

Chef and Head Cook

Dining Room Management

Food and Beverage Director

Food Services Manager

Food Stylist and Photographer

Food Writer and Critic

Kitchen Manager

Pastry Chef

Personal Chef

Restaurant Entrepreneur

INDUSTRY CREDENTIAL (Credential of Value): American Culinary Federation (ACFEF) Secondary Culinary Graduate

For more education on each pathway, download a complete Program of Study:

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ENGINEERING AND TECHNOLOGY students

will combine hands-on projects and rigorous curriculum to be prepared for challenging postsecondary engineering and technology problems; and build solid technical writing, comprehension, calculation, problem-solving, and technical skills. Students are encouraged to take relevant math and science courses, such as advanced algebra, chemistry, calculus, geometry, trigonometry, physics, design, and engineering concepts.

PATHWAY COURSES

Foundations of Engineering and Technology Engineering Concepts Engineering Applications

CAREER CHOICES CAREER CHOICES

CAREER CHOICE

Civil Engineer

Designer

Drafter

Electrical Engineer

Industrial Engineer

Machinist

Manufacturing

Materials Engineer

Mechanical Engineer

Quality Control Inspector

INDUSTRY CREDENTIAL (Credential of Value): NOCTI Engineering and OSHA 10

Financial Services



FINANCIAL SERVICES students will focus on recognizing a business opportunity, starting a business, operating and maintaining a business. Students will align business goals that focus on planning, organizing, coordinating, and controlling the resources needed to produce and provide goods and/or services that lead to owning and operating a small business. Methods for measuring the financial performance of financial institutions and investments are also analyzed.

PATHWAY COURSES

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

CAREER CHOICES

Accountant

Auditor

Business Teacher

Claims Adjuster

Financial Project Specialist

Financial Planner

Insurance Sales Agent

Research

Sales and Service

INDUSTRY CREDENTIAL (Credential of Value): NOCTI Financial & Investment Planning

Healthcare-Biotechnology



HEALTHCARE - BIOTECHNOLOGY students will gain a broad understanding of the fundamentals of biotechnology and the impact on society. The knowledge and skills in this pathway provide a basic overview of current trends and careers in biotechnology, with an emphasis on basic laboratory skills, along with the business, regulatory, and ethical aspects of biotechnology. Additional applications and techniques in biotechnology that expand and increase the student's comprehension of how biotechnology utilizes living systems to create products and enhance lives are also an important part of the pathway.

PATHWAY COURSES

Introduction to Healthcare Science Essentials of Biotechnology Applications of Biotechnology

CAREER CHOICES

Biological or Medical Illustrator
Crime Lab Technician
Emergency Medical Technician
Field Biologist or Ecologist
Forensic Service Technician
Laboratory Technician
Licensed Practical Nurse
Medical Writer
Mortician
Nutritionist
Pediatric Nurse
Phlebotomist

Radiology Technician

INDUSTRY CREDENTIAL (Credential of Value): Precision Biotechnology

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HEALTHCARE - PHLEBOTOMY students will learn medical-focused anatomy addressing the physiology of each body system, along with the investigation of common diseases, disorders and emerging diseases. Students also become prepared for the phlebotomy technician certification exam upon completion of all required components. Topics covered in this pathway include employability skills, careers, terminology and equipment, safety and compliance, quality assurance, site-specific anatomy, patient preparation for venipuncture, performing of venipuncture, and special processing and transport.

PATHWAY COURSES

Introduction to Healthcare Science Essentials of Healthcare **Diagnostics Phlebotomy**



CAREER CHOICES

Information Nurse Specialists

Medical Lab Assistants

Nuclear Techs

Patient Service Techs (PST)

Physicians

Phlebotomists

Phlebotomy Supervisors

Radiologic Technologists

Registered Nurses

Respiratory Technicians

Other Related Health Science

Occupations

INDUSTRY CREDENTIAL (Credential of Value): National Healthcareer Association (NHA) Certified Phlebotomy Technician

Healthcare-**Sports Medicine**



HEALTHCARE - SPORTS MEDICINE students will learn about the musculoskeletal system, injury assessment, injury prevention, or rehabilitation for careers in sports medicine and rehabilitative services. This pathway enables students to receive initial exposure to therapeutic services skills and attitudes applicable to the healthcare industry. The concepts of anatomy and physiology, assessment, preventative and rehabilitative care are also introduced. Fundamental healthcare skills development is initiated, including medical terminology, kinesiology, patient assessment, record keeping, and basic life support.

PATHWAY COURSES

Introduction to Healthcare Science Essentials of Healthcare Sports Medicine

CAREER CHOICES

Athletic Trainer

Chiropractor

Doctor of Osteopathic Medicine

Doctor of Podiatric Medicine

Massage Therapist

Occupational Therapist

Orthopedic Doctor

Physical Therapy Assistant

Physician's Assistant

Radiologist

Radiologist Technician

INDUSTRY CREDENTIAL (Credential of Value): Athletic Training Student Aide

Marketing and Management



MARKETING AND MANAGEMENT students will focus on managing the processes responsible for identifying, anticipating, and satisfying customer requirements in a manner that is profitable for the business. Student skills include management and entrepreneurship, marketing, buying and merchandising, marketing communications and promotion, professional sales, marketing information management and research, channel management, global marketing, and internet/online marketing.

PATHWAY COURSES

Marketing Principles Marketing and Entrepreneurship Marketing Management

CAREER CHOICES

Advertising Account Executive

Communications Specialist

Customer Service Representative

Entertainment Marketer

Insurance Agent

Logistics Specialist

Market Research Analyst

Marketing Specialist

Media Buyer

Product Development Management

Public Relations Specialist

INDUSTRY CREDENTIAL (Credential of Value): MBA Standard Marketing Program of Study/End of Program HS Exam

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NUTRITION AND FOOD students focus of the pathway is centered on healthy food and lifestyle choices. Students will investigate the interrelationship of food, nutrition and wellness to promote good health. 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 also emphasized, and students will evaluate the effects of processing, preparation, and storage on the quality, safety, wholesomeness, and nutritive value of foods.

PATHWAY COURSES

Food, Nutrition, and Wellness Food for Life Food Science

CAREER CHOICES

Chef and Head Cook

Dietician/Nutritionist

Food Inspector

Food Scientist and Technologist

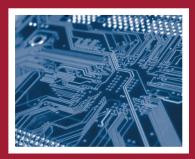
Food Services Manager

Geriatric Food Designer

Health Educator

INDUSTRY CREDENTIAL (Credential of Value): ServSafe Food Safety Handler Certification

Programming



PROGRAMMING students will learn essential skills involved in the design, development, implementation, and maintenance of computer systems and software, requiring knowledge of computer operating systems, programming languages, and software development. Students are able to strategize, design, and develop games and mobile and desktop applications that can be produced in the real world and 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.

PATHWAY COURSES

Introduction to Digital Technology Computer Science Principles or AP Computer **Science Principles** Programming, Apps, Games and Society

CAREER CHOICES

Actuaries

Computer Programmers

Computer Scientist

Computer Systems Analyst

Computing Systems Manager

Computer Software Engineer

Database Administrator

Information Systems Manager

Mathematician

INDUSTRY CREDENTIAL (Credential of Value): Microsoft Technology Associate (MTA): Software Development Fundamentals

Sports and Entertainment Marketing



SPORTS AND ENTERTAINMENT MARKETING students will learn about 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. Students will also have opportunities to develop managerial and analytical skills and deepen their knowledge in sports/entertainment marketing.

PATHWAY COURSES

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

CAREER CHOICES

Agent

Communications Specialist

Customer Service Representative

Demonstrator and Product Promoter

Entertainment Marketer

Entrepreneur

Market Research Analyst

Marketing Specialist

Media Buyer

Product Development Management

Public Relations Specialist

INDUSTRY CREDENTIAL (Credential of Value): MBA Standard Marketing Program of Study/End of Program HS Exam

For more education on each pathway, download a complete Program of Study:

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TEACHING AS A PROFESSION students will learn to plan, manage, and provide education and training services, and related learning support services such as administration, teaching/training, administrative support, and professional support services. They will be engaged in observations, interactions, and analyses of critical and contemporary educational issues and 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.

PATHWAY COURSES

Examining the Teaching Profession Contemporary Issues in Education Teaching as a Profession Internship

CAREER CHOICES

Adult Educator

After-School Program Supervisor

Coach

Education Evaluator

Educational and Teacher Aide

K-12 School Teacher

Media Specialist

Post-Secondary Vocational Education

Recreation Attendant

School Administration

Special Education Teacher

INDUSTRY CREDENTIAL (Credential of Value): NOCTI Teaching as a Profession (College EDUC 2110 Credit in Georgia)

Workforce Ready



WORKFORCE READY provides students with heavy exposure to all aspects of workplace readiness and employability skills development through integration of course content into hands-on class activities as applications of the concepts; not to be treated as a unit or separate body of knowledge. Also included is project-based learning, frequent interaction with business and industry; community as subject matter experts, virtual industry tours, job shadowing, internships and jobs.

PATHWAY COURSES

Introduction to Career Competencies **Career Competencies Advanced Career Competencies**

CAREER CHOICES

All Careers

INDUSTRY CREDENTIAL (Credential of Value): OSHA 10, GeorgiaBEST