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Advanced Accounting



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

Baking and Pastry



BAKING AND PASTRY students will complete a variety of skills required by industry such as baking terminology, the proper use of tools and equipment, formula conversions, and the functions of various ingredients. Topics include the creation of breads, pastries, cookies, and other delectable desserts. A significant focus is placed on mastering the fundamentals of dough preparation and basic decorating skills.

PATHWAY COURSES

Introduction to Culinary Arts Baking and Pastry I Baking and Pastry II

CAREER CHOICES

Bakery Consultant

Bakery Production Manager

Cake Decorator

Entrepreneur

Food Truck Owner

Merchandiser

Pastry Blogger

Pastry Chef

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

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Computer Science



COMPUTER SCIENCE students will prepare for entry-level, technical, and professional IT careers, including the design, development, implementation, and maintenance of computer systems and software. Students will also gain knowledge of computer operating systems, programming languages, and gain knowledge of required 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 Software Technology Computer Science Principles or AP CS Principles AP Computer Science A

CAREER CHOICES

Computer Hardware Engineers
Computer Network Architect
Computer Programmer
Computer System Analyst
Database Administrator
Information Security Analyst
Information Systems Manager
Network Administrator
Software Developer
Software Engineer

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

Video Game Designer

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

Restaurant Entrepreneur

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

Education as a Profession



EDUCATION 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

Education as a Profession I Education as a Profession II Education as a Profession Practicum

CAREER CHOICES

Personal Chef

Adult Educator

After-School Program Supervisor

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)

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Engineering and Technology



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

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

Entrepreneurship



ENTREPRENEURSHIP students 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. They will learn statutes and regulations affecting businesses, families, and individuals.

PATHWAY COURSES

Introduction to Business and Technology Legal Environment of Business Entrepreneurship

CAREER CHOICES

Advertising and Promotion Manager

Business Manager

Chief Executive Officer

Claims Adjuster or Examiner

Computer Systems Analyst

Cost Estimator

Database Administrator

Financial Analyst or Manager

Network and Computer System Paralegal and Legal Assistant

Personal Financial Advisor

Training and Development Manager

INDUSTRY CREDENTIAL (Credential of Value): NOCTI General Management

Fashion, Merchandising, and **Retail Management**



FASHION, MERCHANDISING, AND RETAIL MANAGEMENT

students will be introduced to the retail industry including the fundamentals of fashion marketing, key marketing concepts essential to every business, types of businesses involved in the industry, and an array of career opportunities. Students will develop skills in such areas as fashion economics, marketing segmentation and target marketing, product selection and buying, and inventory system. The pathway will also help them develop skills necessary for managing pricing, visual merchandising, advertising, special promotions, professional sales, and customer service.

PATHWAY COURSES

Marketing Principles Fashion, Merchandising, and Retailing Essentials Advanced Fashion, Merchandising, and Retailing

CAREER CHOICES

Advertising and Promotions Manager

Brand Manager

Entrepreneurs/Company Owner

Fashion Designer

General Merchandise Manager

Merchandise Analyst

Manufacturer's Sales Representative

Online Merchant

Product Developer

Retail Buyer

Visual Merchandiser

Wholesale and Retail Buyer

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

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Healthcare -Biotechnology Research and Development



HEALTHCARE - BIOTECHNOLOGY RESEARCH AND

DEVELOPMENT 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

INDUSTRY CREDENTIAL (Credential of Value): Precision Biotechnology

Human Resources Management



HUMAN RESOURCE MANAGEMENT students will learn about statutes and regulations affecting businesses, families, and individuals. Students will also get an overview of business law while concentrating on the legal aspects of business ownership and management. Students will also analyze the primary functions of human resources management which include recruitment, selection, training, development, compensation, and evaluation. The pathway is designed to equip students with operational knowledge of hiring, managing, and firing employees.

PATHWAY COURSES

Introduction to Business and Technology Legal Environment of Business Human Resources Principles

CAREER CHOICES

Radiology Technician

Compensation and Benefits Manager Employee Training Specialist

Human Resources Assistant

Human Resources Manager

Human Resources Specialist

Job Analysis Specialist

Training and Development Manager

INDUSTRY CREDENTIAL (Credential of Value): NOCTI Human Resources Management

Landscape Management Systems



LANDSCAPE MANAGEMENT SYSTEMS students will learn 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. The pathway also teaches the procedures to establish, manage, and maintain ornamental or recreational turf, to prepare and maintain athletic fields and playing surfaces, and to produce and market turf.

PATHWAY COURSES

Basic Agriculture Science General Horticulture and Plant Science Turf Production and Management

CAREER CHOICES

Agricultural Science Professor Agriculture Technician Arborist Estate Caretaker Forest Nursery Supervisor Golf Course Management

Greenhouse Technician

Landscape Architect

Landscape and Nursery Worker

Master Gardener

Natural Resource Manager

Pesticide Handler

INDUSTRY CREDENTIAL (Credential of Value): Precision Landscape Management

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MARKETING COMMUNICATIONS AND PROMOTIONS

students will focus on the performance of key responsibilities required in a retail environment and develop skills in pricing, visual merchandising, advertising, special promotions, professional sales, and customer service. They will also better understand the communication aspects of business in relation to customer/consumer relationships. Students develop knowledge and skills in advertising, direct marketing, public relations, sales promotions, and digital marketing communications.

PATHWAY COURSES

Marketing Principles Promotional and Digital Marketing Integrated Marketing Communications

SOUTH FORSYTH

CAREER CHOICES

Advertising and Promotions Manager

Advertising Sales Agent

Green Marketer

Market Research Analyst

Marketing Manager

Marketing Strategist

Public Relations Specialist

Sales Manager

Sales Representative

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

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

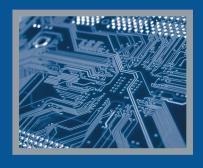
Media Buyer

Product Development Management

Public Relations Specialist

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

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 Software Technology Computer Science Principles or AP CS Principles Programming, Apps, Games and Society

CAREER CHOICES

Actuary

Computer Programmer

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

SOUTH FORSYTH

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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