



SOUTH FORSYTH HIGH SCHOOL

585 Peachtree Pkwy, Cumming, GA 30041
770-781-2264 | www.forsyth.k12.ga.us/sfhs

For more education on each pathway, download a complete Program of Study: <https://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Programs-of-Study.aspx>

CLUSTER	PATHWAY	DETAIL	COURSE 1	COURSE 2	COURSE 3	COURSE 4	CAREER CHOICES
AGRICULTURE, FOOD AND NATURAL RESOURCES CLUSTER	Landscape Management Systems Pathway	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, athletic fields and market turf.	Basic Agriculture Science	General Horticulture and Plant Science	Turf Production and Management	Internship Forsyth	<ul style="list-style-type: none"> • Arborist • Forest Nursery Supervisor • Golf Course Management • Greenhouse Technician • Landscape Architect • Landscape and Nursery Worker • Master Gardener • Natural Resource Manager
ARTS, A/V TECHNOLOGY AND COMMUNICATIONS CLUSTER	A/V Technology and Film Pathway	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.	Audio and Video Technology and Film I	Audio and Video Technology and Film II	Audio and Video Technology and Film III	Internship Forsyth	<ul style="list-style-type: none"> • A/V Equipment Technician • Broadcast News Analyst • Broadcast Technician • Camera Operator • Control Room Technician • Journalist/Editor/Reporter • Sound Technician • Station Manager
BUSINESS MANAGEMENT AND ADMINISTRATION CLUSTER	Entrepreneurship Pathway	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.	Introduction to Business and Technology	Legal Environment of Business	Entrepreneurship	Internship Forsyth	<ul style="list-style-type: none"> • Advertising and Promotion • Business Manager • Chief Executive Officer • Computer Systems Analyst • Cost Estimator • Database Administrator • Paralegal and Legal Assistant • Personal Financial Advisor
	Human Resource Management Pathway	Students will learn about statutes and regulations affecting businesses, families, and individuals. They'll get an overview of business law while concentrating on the legal aspects of business ownership and management. Plus, they will analyze the primary functions of recruitment, selection, training, development, compensation, and evaluation.	Introduction to Business and Technology	Legal Environment of Business	Legal Environment of Business Human Resources Principles	Internship Forsyth	<ul style="list-style-type: none"> • Compensation/Benefits Manager • Employee Training Specialist • Human Resources Assistant • Human Resources Manager • Human Resources Specialist • Job Analysis Specialist • Training/Development Manager
EDUCATION AND TRAINING CLUSTER	Education as a Profession Pathway	Students will learn to plan, manage, and provide education and training in student learning environments. Students will also learn about administrative roles, teacher training, administrative support, and professional learning services for educators. Through this pathway, students will also be engaged in observations, interactions, and analysis of critical and contemporary educational issues.	Education as a Profession I	Education as a Profession II	Education as a Profession Practicum	Internship Forsyth	<ul style="list-style-type: none"> • Adult Educator • After-School Program Supervisor • Educational and Teacher Aide • K-12 School Teacher • Media Specialist • Post-Secondary Vocational • School Administration • Special Education Teacher
FINANCE CLUSTER	Advanced Accounting Pathway	Students will learn 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.	Introduction to Business and Technology	Principles of Accounting I	Principles of Accounting II	Internship Forsyth	<ul style="list-style-type: none"> • Bank Teller and Manager • Chief Financial Officer • Controller • Credit Analyst • Financial Counselor/Manager • Insurance Agent and Broker • Investment Banker • Loan Officer
HEALTH SCIENCE CLUSTER	Biotechnology Pathway	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.	Introduction to Healthcare Science	Essentials of Biotechnology	Applications of Biotechnology	Internship Forsyth	<ul style="list-style-type: none"> • Biological or Medical Illustrator • Crime Lab Technician • Emergency Medical Technician • Laboratory Technician • Licensed Practical Nurse • Medical Writer • Mortician • Pediatric Nurse



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HOSPITALITY AND TOURISM CLUSTER	Baking and Pastry Pathway	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.	Introduction to Culinary Arts	Baking and Pastry I	Baking and Pastry II	Internship Forsyth	<ul style="list-style-type: none"> Bakery Consultant Bakery Production Manager Cake Decorator Entrepreneur <ul style="list-style-type: none"> Food Truck Owner Merchandiser Pastry Blogger Pastry Chef
	Culinary Arts Pathway	Students will complete a variety of skills required by the industry such as knife skills, cooking techniques, menu planning, food purchasing and costs, food safety and sanitation, and front of the house service. The pathway allows students to develop knowledge and hands-on skill mastery of culinary arts in the commercial kitchen.	Introduction to Culinary Arts	Culinary Arts I	Culinary Arts II	Internship Forsyth	<ul style="list-style-type: none"> Caterer Chef and Head Cook Food Stylist and Photographer Food Writer and Critic <ul style="list-style-type: none"> Kitchen Manager Pastry Chef Personal Chef Restaurant Entrepreneur
	Sports and Entertainment Marketing Pathway	Students will learn about the major segments of the sports and entertainment industry and the social and economic impact the industry has on 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.	Marketing Principles	Introduction to Sports and Entertainment Marketing	Advanced Sports and Entertainment Marketing	Internship Forsyth	<ul style="list-style-type: none"> Agent Communications Specialist Customer Service Representative Entrepreneur <ul style="list-style-type: none"> Market Research Analyst Marketing Specialist Media Buyer Public Relations Specialist
INFORMATION TECHNOLOGY CLUSTER	Computer Science Pathway	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.	Introduction to Software Technology	Computer Science Principles or AP Computer Science Principles	AP Computer Science A	Internship Forsyth	<ul style="list-style-type: none"> Computer Hardware Engineer Computer Programmer Computer System Analyst Database Administrator <ul style="list-style-type: none"> Information Systems Manager Network Administrator Software Developers/Engineer Video Game Designers
	Programming Pathway	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.	Introduction to Software Technology	Computer Science Principles or AP Computer Science Principles	Programming, Apps, Games and Society	Internship Forsyth	<ul style="list-style-type: none"> Actuary Computer Programmer Computer Scientist Computer Systems Manager <ul style="list-style-type: none"> Computer Software Engineer Database Administrator Information Systems Manager Mathematician
MARKETING CLUSTER	Fashion, Merchandising and Retail Management	Students will be introduced 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.	Marketing Principles	Fashion, Merchandising, and Retailing Essentials	Advanced Fashion, Merchandising, and Retailing	Internship Forsyth	<ul style="list-style-type: none"> Brand Manager Entrepreneurs/Company Owner Fashion Designer General Merchandise Manager <ul style="list-style-type: none"> Online Merchant Product Developer Retail Buyer Visual Merchandiser
	Marketing and Management Pathway	Students will focus on developing skills in 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.	Marketing Principles	Marketing and Entrepreneurship	Marketing Management	Internship Forsyth	<ul style="list-style-type: none"> Advertising Account Executive Communications Specialist Customer Service Representative Entertainment Marketer <ul style="list-style-type: none"> Insurance Agent Marketing Specialist Media Buyer Public Relations Specialist
	Marketing Communications & Promotions Pathway	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.	Marketing Principles	Promotional and Digital Marketing	Integrated Marketing Communications	Internship Forsyth	<ul style="list-style-type: none"> Advertising/Promotions Manager Advertising Sales Agent Green Marketer Market Research Analyst <ul style="list-style-type: none"> Marketing Manager Marketing Strategist Public Relations Specialist Sales Managers/Representative
STEM CLUSTER	Engineering and Technology Pathway	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.	Foundations of Engineering and Technology	Engineering Concepts	Engineering Applications	Internship Forsyth	<ul style="list-style-type: none"> Civil Engineer Drafter Electrical Engineer Industrial Engineer <ul style="list-style-type: none"> Machinist Manufacturing Materials/Mechanical Engineer Quality Control Inspector