



# EAST FORSYTH HIGH SCHOOL

8910 Jot Em Down Rd, Gainesville, GA 30506  
770-888-1235 | www.forsyth.k12.ga.us/dhs

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
<b>ARTS, A/V TECHNOLOGY AND COMMUNICATIONS CLUSTER</b>	<b>A/V Technology and Film Pathway</b>	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"> <li>A/V Equipment Technician</li> <li>Broadcast News Analyst</li> <li>Broadcast Technician</li> <li>Camera Operator</li> </ul> <ul style="list-style-type: none"> <li>Control Room Technician</li> <li>Journalist/Editor/Reporter</li> <li>Sound Technician</li> <li>Station Manager</li> </ul>
<b>ARCHITECTURE AND CONSTRUCTION CLUSTER</b>	<b>Architecture Drawing and Design Pathway</b>	Students will learn about safety, geometric construction, fundamentals of computer-aided drafting, and multi-view drawings. They will also learn drafting techniques through the study of geometric construction and the basic terminology, concepts, and principles of architectural design.	Introduction to Drafting and Design	Architectural Drawing and Design I	Architectural Drawing and Design II	Internship Forsyth	<ul style="list-style-type: none"> <li>Architect</li> <li>Architectural Engineer</li> <li>Building Inspector</li> <li>Civil Engineer</li> </ul> <ul style="list-style-type: none"> <li>Electrical Engineer</li> <li>Environmental Engineer</li> <li>Landscape Designer</li> <li>Mechanical Drafter</li> </ul>
	<b>Construction/ Carpentry Pathway</b>	Students will learn the basic knowledge to function safely on or around a construction site and provide them a solid foundation in carpentry skills and knowledge. The pathway introduces students to four construction craft areas and allows them to gain Level One Industry Certification in one of the craft areas.	Industry Fundamentals and Occupational Safety	Introduction to Construction	Carpentry I	Internship Forsyth	<ul style="list-style-type: none"> <li>Building Inspector</li> <li>Construction Inspector/Manager</li> <li>Electrician</li> <li>Mason</li> </ul> <ul style="list-style-type: none"> <li>Pipefitter</li> <li>Plumber</li> <li>Sheet Metal Worker</li> <li>Welder</li> </ul>
	<b>Heavy Equipment Operations Pathway</b>	Students will gain foundational knowledge in construction including carpentry, plumbing, electrical, welding and HVAC. The pathway will focus and build on the concepts related to earthmoving as well as reading and using blueprints and specifications related to grading and grade calculations.	Industry Fundamentals and Occupational Safety	Introduction to Heavy Equipment	Heavy Equipment Operations I	Internship Forsyth	<ul style="list-style-type: none"> <li>Articulated Dump Truck Operator</li> <li>Backhoe and Dozer Operator</li> <li>Forklift Operator</li> <li>Heavy Equipment Mechanic</li> </ul> <ul style="list-style-type: none"> <li>Heavy Equipment Operator</li> <li>Heavy Equipment Service</li> <li>Pipe Layer</li> <li>Plumbing</li> </ul>
<b>BUSINESS MANAGEMENT AND ADMINISTRATION CLUSTER</b>	<b>Entrepreneurship Pathway</b>	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 Business and Technology	Legal Environment of Business	Entrepreneurship	Internship Forsyth	<ul style="list-style-type: none"> <li>Advertising and Promotion</li> <li>Business Manager</li> <li>Chief Executive Officer</li> <li>Computer Systems Analyst</li> </ul> <ul style="list-style-type: none"> <li>Cost Estimator</li> <li>Database Administrator</li> <li>Paralegal and Legal Assistant</li> <li>Personal Financial Advisor</li> </ul>
<b>EDUCATION AND TRAINING CLUSTER</b>	<b>Early Childhood Education Pathway</b>	Students will learn the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children. The pathway provides a history of education, licensing and accreditation requirements, and foundations of basic observation practices and applications.	Early Childhood Education I	Early Childhood Education II	Early Childhood Education Practicum	Internship Forsyth	<ul style="list-style-type: none"> <li>After-School Program Supervisor</li> <li>Child Care Director and Owner</li> <li>Child Care Supervisor</li> <li>Education Administrator</li> </ul> <ul style="list-style-type: none"> <li>Educational and Teacher Aide</li> <li>Kindergarten Teacher Preschool</li> <li>Teacher</li> <li>Special Education Teacher</li> </ul>
	<b>Education as a Profession Pathway</b>	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"> <li>Adult Educator</li> <li>After-School Program Supervisor</li> <li>Educational and Teacher Aide</li> <li>K-12 School Teacher</li> </ul> <ul style="list-style-type: none"> <li>Media Specialist</li> <li>Post-Secondary Vocational</li> <li>School Administration</li> <li>Special Education Teacher</li> </ul>
<b>HOSPITALITY AND TOURISM CLUSTER</b>	<b>Culinary Arts Pathway</b>	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"> <li>Caterer</li> <li>Chef and Head Cook</li> <li>Food Stylist and Photographer</li> <li>Food Writer and Critic</li> </ul> <ul style="list-style-type: none"> <li>Kitchen Manager</li> <li>Pastry Chef</li> <li>Personal Chef</li> <li>Restaurant Entrepreneur</li> </ul>
<b>HUMAN SERVICES CLUSTER</b>	<b>Interiors, Fashion, and Textiles</b>	Students will learn the fundamentals of design and the interior design profession, including the fascinating world of how textiles are woven into the fabric of everyday life. The pathway will allow students to advance skills in the selection, purchase, design, care, and construction of textile products and about textiles for apparel, interior furnishings, and industrial applications.	Foundations of Interior Design	Fundamentals of Fashion	Fundamentals of Fashion Textile Science	Internship Forsyth	<ul style="list-style-type: none"> <li>Art and Design Worker</li> <li>Fashion Designer</li> <li>Interior Designer</li> <li>Purchasing Manager</li> </ul> <ul style="list-style-type: none"> <li>Retail Merchandiser</li> <li>Textile, Apparel and Worker</li> <li>Visual Merchandiser</li> <li>Wholesale and Retail Buyer</li> </ul>
<b>INFORMATION TECHNOLOGY CLUSTER</b>	<b>Computer Science Pathway</b>	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"> <li>Computer Hardware Engineer</li> <li>Computer Programmer</li> <li>Computer System Analyst</li> <li>Database Administrator</li> </ul> <ul style="list-style-type: none"> <li>Information Systems Manager</li> <li>Network Administrator</li> <li>Software Developers/Engineer</li> <li>Video Game Designer</li> </ul>
<b>MARKETING CLUSTER</b>	<b>Marketing and Management Pathway</b>	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"> <li>Advertising Account Executive</li> <li>Communications Specialist</li> <li>Customer Service Representative</li> <li>Entertainment Marketer</li> </ul> <ul style="list-style-type: none"> <li>Insurance Agent</li> <li>Marketing Specialist</li> <li>Media Buyer</li> <li>Public Relations Specialist</li> </ul>
<b>STEM CLUSTER</b>	<b>Engineering and Technology Pathway</b>	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"> <li>Civil Engineer</li> <li>Drafter</li> <li>Electrical Engineer</li> <li>Industrial Engineer</li> </ul> <ul style="list-style-type: none"> <li>Machinist</li> <li>Manufacturing</li> <li>Materials/Mechanical Engineer</li> <li>Quality Control Inspector</li> </ul>