



LAMBERT HIGH SCHOOL

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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
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 <ul style="list-style-type: none"> Control Room Technician Journalist/Editor/Reporter Sound Technician Station 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 <ul style="list-style-type: none"> Media Specialist Post-Secondary Vocational School Administration Special Education Teacher
FINANCE CLUSTER	Business Accounting Pathway	Students will be exposed to various forms of technologies and internet research highlighting the resources available when learning the language of business. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry.	Introduction to Business and Technology	Financial Literacy	Principles of Accounting I	Internship Forsyth	<ul style="list-style-type: none"> Auditor Bookkeeper Budget Analyst Certified Public Accountant <ul style="list-style-type: none"> Financial Advisor or Analyst Forensic Accountant Income Tax Professional Non-Profit Accountant
	Financial Services Pathway	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.	Introduction to Business and Technology	Financial Literacy	Banking, Investing and Insurance	Internship Forsyth	<ul style="list-style-type: none"> Accountant Auditor Claims Adjuster Financial Project Specialist <ul style="list-style-type: none"> Financial Planner Insurance Sales Agent Research Sales and Service
HEALTH SCIENCE CLUSTER	Biotechnology Research and Development 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 <ul style="list-style-type: none"> Licensed Practical Nurse Medical Writer Mortician Pediatric Nurse
	Phlebotomy Pathway	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.	Introduction to Healthcare Science	Essentials of Healthcare	Diagnostics Phlebotomy	Internship Forsyth	<ul style="list-style-type: none"> Medical Lab Assistant Patient Service Tech (PST) Physician Phlebotomist <ul style="list-style-type: none"> Phlebotomy Supervisor Radiologic Technologist Registered Nurse Respiratory Technician
	Sports Medicine Pathway	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 aptitudes applicable to the healthcare industry.	Introduction to Healthcare Science	Essentials of Healthcare	Sports Medicine	Internship Forsyth	<ul style="list-style-type: none"> Athletic Trainer Chiropractor Doctor of Podiatric Medicine Massage Therapist <ul style="list-style-type: none"> Occupational Therapist Orthopedic Doctor Physical Therapy Assistant Radiologist
HOSPITALITY AND TOURISM CLUSTER	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
HUMAN SERVICES CLUSTER	Nutrition and Food Science Pathway	Students will focus on healthy food and lifestyle choices and will investigate the interrelationship of food, nutrition and wellness to promote good health. Students will evaluate the effects of processing, preparation, and storage on the quality, safety, wholesomeness, and nutritive value of foods.	Food, Nutrition, and Wellness	Food for Life	Food Science	Internship Forsyth	<ul style="list-style-type: none"> Food Scientist and Technologist Food Services Manager Geriatric Food Designer Health Educator <ul style="list-style-type: none"> Chef and Head Cook Dietitian/Nutritionist Food Inspector
INFORMATION TECHNOLOGY CLUSTER	Cloud Computing Pathway	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.	Introduction to Software Technology	Computer Science Principles or AP Computer Science Principles	Cloud Computing	Internship Forsyth	<ul style="list-style-type: none"> Software Engineer Cloud Engineer Data Engineer System Engineer <ul style="list-style-type: none"> Full Stack Developer Java Developer Systems Administrator .NET Developer
	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 Designer
MARKETING CLUSTER	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