



Forsyth County Schools  
**COLLEGE & Career**  
 DEVELOPMENT

**High School Career Pathways**



**2019-20**

**AGRICULTURE CLUSTER**

- ✓ **Agriculture Leadership in Animal Production Pathway (N)**  
 Basic Agriculture Science  
 Animal Science Technology/Biotechnology  
 Agribusiness Management and Leadership\*  
 Internship Forsyth or Mentorship Forsyth
- ✓ **Agriculture Leadership in Horticulture Pathway (N)**  
 Basic Agriculture Science  
 General Horticulture and Plant Science  
 Agribusiness Management and Leadership\*  
 Internship Forsyth or Mentorship Forsyth
- ✓ **Companion Animal Systems Pathway (D)**  
 Basic Agriculture Science  
 Animal Science and Biotechnology  
 Small Animal Care\*  
 Internship Forsyth or Mentorship Forsyth
- ✓ **Environmental Agriculture Systems Pathway (N)**  
 Basic Agriculture Science  
 Environmental Science and Stewardship  
 Sustainable Agriculture\*  
 Internship Forsyth or Mentorship Forsyth
- ✓ **Landscape Management Systems Pathway (S)**  
 Basic Agriculture Science  
 General Horticulture and Plant Science  
 Turf Production and Management\*  
 Internship Forsyth or Mentorship Forsyth
- ✓ **Veterinary Science Pathway (C, D)**  
 Basic Agriculture Science  
 Animal Science and Biotechnology  
 Veterinary Science\*  
 Internship Forsyth or Mentorship Forsyth

**ARTS, A/V TECHNOLOGY, AND COMMUNICATIONS CLUSTER**

- ✓ **Audio-Video Technology and Film Pathway (C, L, N, S, W)**  
 Audio & Video Technology & Film  
 Audio & Video Technology & Film II  
 Audio & Video Technology & Film III\*  
 Internship Forsyth or Mentorship Forsyth
- ✓ **Animation and Digital Media Pathway (N)**  
 Introduction to Digital Media  
 Principles and Concepts of Animation  
 Advanced Animation, Game, and app Design\*  
 Internship Forsyth or Mentorship Forsyth
- ✓ **Graphic Design Pathway (A)**  
 Introduction to Graphics and Design  
 Graphic Design and Production  
 Advanced Graphic Design\*  
 Internship Forsyth or Mentorship Forsyth

**BUSINESS, MANAGEMENT, & ADMINISTRATION CLUSTER**

- ✓ **Entrepreneurship Pathway (D, FA, L, S)**  
 Introduction to Business and Technology  
 Legal Environment of Business  
 Entrepreneurship\*  
 Internship Forsyth or Mentorship Forsyth
- ✓ **Human Resources Management Pathway (FA, S)**  
 Introduction to Business and Technology  
 Legal Environment of Business  
 Human Resources Principles\*  
 Internship Forsyth or Mentorship Forsyth



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**EDUCATION AND TRAINING CLUSTER**

- ✓ **Teaching as a Profession Pathway (C, D, L, N, S, W)**  
 Examining the Teaching Profession  
 Contemporary Issues in Education  
 Teaching as a Profession Practicum\*  
 Internship Forsyth or Mentorship Forsyth

**ENERGY CLUSTER**

- ✓ **Energy Systems Pathway (A)**  
 Foundations of Energy Technologies  
 Energy and Power Technology  
 Appropriate and Alternative Energy Technologies\*  
 Internship Forsyth or Mentorship Forsyth

**FINANCE CLUSTER**

- ✓ **Advanced Accounting Pathway (L)**  
 Introduction to Business and Technology  
 Principles of Accounting I  
 Principles of Accounting II\*  
 Internship Forsyth or Mentorship Forsyth
- ✓ **Business Accounting Pathway (FV, L, S)**  
 Introduction to Business and Technology  
 Financial Literacy  
 Principles of Accounting I\*  
 Internship Forsyth or Mentorship Forsyth
- ✓ **Financial Services Pathway (D, FV, L, S)**  
 Introduction to Business and Technology  
 Financial Literacy  
 Banking, Investing and Insurance\*  
 Internship Forsyth or Mentorship Forsyth

**GOVT & PUBLIC ADMIN CLUSTER**

- ✓ **JROTC Pathway - Marines (N)**  
 MCJROTC Leadership Education I/II  
 MCJROTC Leadership Education III/IV  
 MCJROTC Leadership Education V/VI  
 MCJROTC Leadership Education VII/VIII

**HEALTH SCIENCE CLUSTER**

- ✓ **Biotechnology Research & Development Pathway (C/STEM, L)**  
 Introduction to Healthcare Science  
 Essentials of Biotechnology  
 Applications of Biotechnology\*  
 Internship Forsyth or Mentorship Forsyth
- ✓ **Diagnostic Services – Phlebotomy Pathway (L)**  
 Introduction to Healthcare Science  
 Essentials of Healthcare  
 Diagnostics Phlebotomy\*  
 Internship Forsyth or Mentorship Forsyth
- ✓ **Emergency Medical Responder Pathway (A)**  
 Introduction to Healthcare Science  
 Essentials of Healthcare  
 Emergency Medical Responder\*  
 Internship Forsyth or Mentorship Forsyth
- ✓ **Health Information Technology Pathway (A)**  
 Introduction to Healthcare Science  
 Essentials of Health Information Technology  
 Applications of Health Information Technology\*  
 Internship Forsyth or Mentorship Forsyth
- ✓ **Therapeutic Services – Sports Medicine Pathway (N)**  
 Introduction to Healthcare Science  
 Essentials of Healthcare  
 Sports Medicine\*  
 Internship Forsyth or Mentorship Forsyth

**HOSPITALITY AND TOURISM CLUSTER**

- ✓ **Culinary Arts Pathway (D, L, S, W)**  
 Introduction to Culinary Arts  
 Culinary Arts I  
 Culinary Arts II\*  
 Internship Forsyth or Mentorship Forsyth



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✓ **Hospitality, Recreation and Tourism Pathway (A)**

Marketing Principles  
 Hospitality, Recreation and Tourism Essentials  
 Hospitality, Recreation and Tourism Management\*  
 Internship Forsyth or Mentorship Forsyth

✓ **Sports and Entertainment Marketing Pathway (C, D, FV, L, N, S, W)**

Marketing Principles  
 Introduction to Sports & Entertainment Marketing  
 Advanced Sports & Entertainment Marketing\*  
 Internship Forsyth or Mentorship Forsyth

**HUMAN SERVICES CLUSTER**

✓ **Personal Care Services – Cosmetology Pathway (C, W)**

Introduction to Personal Care Services  
 Cosmetology Services II  
 Cosmetology Services III\*  
 Internship Forsyth or Mentorship Forsyth

✓ **Food and Nutrition Pathway (C, L, N, W)**

Food, Nutrition & Wellness  
 Food for Life  
 Food Science\*  
 Internship Forsyth or Mentorship Forsyth

**INFORMATION TECHNOLOGY CLUSTER**

✓ **Computer Science Pathway (C, D, FV, L, N, S, W)**

Introduction to Digital Technology  
 Computer Science Principles or AP Computer Science Principles  
 AP Computer Science\*  
 Internship Forsyth or Mentorship Forsyth

✓ **Cybersecurity Pathway (A)**

Introduction to Digital Technology  
 Introduction to Cybersecurity  
 Advanced Cybersecurity\*  
 Internship Forsyth or Mentorship Forsyth

✓ **Game Design Pathway (A, FV)**

Introduction to Digital Technology  
 Computer Science Principles or AP Computer Science Principles  
 Game Design: Animation and Simulation\*  
 Internship Forsyth or Mentorship Forsyth

✓ **Internet of Things Pathway (N)**

Introduction to Digital Technology  
 Computer Science Principles or AP Computer Science Principles  
 Embedded Computing\*  
 Internship Forsyth or Mentorship Forsyth

✓ **Programming Pathway (L, S)**

Introduction to Digital Technology  
 Computer Science Principles  
 Programming, Games, Apps, and Society\*  
 Internship Forsyth or Mentorship Forsyth

✓ **Web Development Pathway (D, FV, N, W)**

Introduction to Digital Technology  
 Computer Science Principles  
 Web Development\*  
 Internship Forsyth or Mentorship Forsyth

**LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY CLUSTER**

✓ **Firefighting Pathway (A)**

Introduction to Law, Public Safety, Corrections and Security  
 Essentials of Fire and Emergency Services  
 Applications of Firefighting\*  
 Internship Forsyth or Mentorship Forsyth

✓ **Law Enforcement/Criminal Investigations Pathway (A)**

Introduction to Law, Public Safety, Corrections and Security  
 Criminal Justice Essentials  
 Criminal Investigations\*  
 Internship Forsyth or Mentorship Forsyth



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- ✓ **Legal Services/Applications of Law Pathway (A)**  
 Introduction to Law, Public Safety, Corrections and Security  
 Essentials of Legal Services  
 Applications of Law\*  
 Internship Forsyth or Mentorship Forsyth

**MANUFACTURING CLUSTER**

- ✓ **Manufacturing Pathway (D, S)**  
 Foundations of Manufacturing and Materials Science  
 Robotics and Automated Systems  
 Production Enterprises\*  
 Internship Forsyth or Mentorship Forsyth
- ✓ **Mechatronics Pathway (A)**  
 Introduction to Mechatronics  
 AC Theory, Electric Motors, and Hydraulic Systems  
 Semiconductors, Mechanical Systems, and Pump and Piping Systems\*  
 Internship Forsyth or Mentorship Forsyth

**MARKETING CLUSTER**

- ✓ **Fashion, Merchandising and Retail Management Pathway (D, L, S, W)**  
 Marketing Principles  
 Fashion, Merchandising, and Retailing Essentials  
 Advanced Fashion, Merchandising, and Retailing\*  
 Internship Forsyth or Mentorship Forsyth
- ✓ **Marketing Communications and Promotions Pathway (C, S)**  
 Marketing Principles  
 Promotion and Professional Sales  
 Marketing Communications Essentials\*  
 Internship Forsyth or Mentorship Forsyth

- ✓ **Marketing & Management Pathway (C, D, FA, FV, L, N, S, W)**  
 Marketing Principles  
 Marketing and Entrepreneurship  
 Marketing Management\*  
 Internship Forsyth or Mentorship Forsyth

**STEM – SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS CLUSTER**

- ✓ **Engineering and Technology Pathway (C/STEM, D, L, N, S, W)**  
 Foundations of Engineering and Technology  
 Engineering Concepts  
 Engineering Applications\*  
 Internship Forsyth or Mentorship Forsyth

**TRANSPORTATION, DISTRIBUTION, & LOGISTICS CLUSTER**

- ✓ **Aerospace – Aviation Maintenance (A)**  
 Fundamentals of Aerospace  
 Aviation Maintenance I  
 Aviation Maintenance II\*  
 Internship Forsyth or Mentorship Forsyth
- ✓ **Aerospace – Flight Operations (A)**  
 Fundamentals of Aerospace  
 Flight Operations I  
 Flight Operations II\*  
 Internship Forsyth or Mentorship Forsyth
- ✓ **Distribution & Logistics (A)**  
 Logistics Fundamentals  
 Logistics Operations  
 Materials Management\*  
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- ✓ **Automotive Technology Pathway (C)**
- General Automotive Technology 1
- General Automotive Technology 2
- General Automotive Technology 3\*
- Advanced Automotive Technology 4
- Advanced Automotive Technology 5
- Advanced Automotive Technology 6\*
- Automotive Service Technology Internship 1
- Automotive Service Technology Internship 2
- Automotive Service Technology Internship 3

**CAREER-RELATED DUAL ENROLLMENT  
 OPTIONS**

**at Lanier Technical College:**

- Accounting
- Air Conditioning Technology
- Automotive Collision Repair
- Automotive Technology
- Building Automation Systems
- Business Management/Technology
- Construction Management/Carpentry
- Cosmetology
- Criminal Justice Technology
- Culinary Arts
- Design and Media Production Technology
- Diesel Equipment Technology
- Drafting Technology
- Early Childhood Care and Education
- Electrical Systems Technology
- Engineering Technology
- Horticulture
- Industrial Systems Technology
- Interiors
- Machine Tool Technology
- Marine Engine Technology
- Mechatronics Technology
- Medical Assisting
- Motorsports Vehicle Technology
- Nurse Aide
- Paramedicine
- Pharmacy Technology
- Phlebotomy
- Precision Machining and Manufacturing
- Welding and Joining Technology
- Wireless Engineering Technology

**MANY OTHER PROGRAM  
 AREAS AVAILABLE!**



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