



**2018-19**

## **AGRICULTURE CLUSTER**

- ✓ **Agriculture Leadership in Animal Production Pathway (N)**
  - Basic Agriculture Science
  - Animal Science Technology/Biotechnology
  - Agribusiness Management and Leadership\*
  - Work-Based Learning or Honors Mentorship
- ✓ **Agriculture Leadership in Horticulture Pathway (N)**
  - Basic Agriculture Science
  - General Horticulture and Plant Science
  - Agribusiness Management and Leadership\*
  - Work-Based Learning or Honors Mentorship
- ✓ **Companion Animal Systems (D)**
  - Basic Agriculture Science
  - Animal Science and Biotechnology
  - Small Animal Care\*
  - Work-Based Learning or Honors Mentorship
- ✓ **Horticulture and Animal Systems Pathway (N)**
  - Basic Agriculture Science
  - General Horticulture and Plant Science
  - Animal Science and Biotechnology\*
  - Work-Based Learning or Honors Mentorship
- ✓ **Veterinary Science (D)**
  - Basic Agriculture Science
  - Animal Science and Biotechnology
  - Veterinary Science\*
  - Work-Based Learning or Honors Mentorship

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

- ✓ **Audio-Video Technology and Film Pathway (C, L, N, W)**
  - Audio & Video Technology & Film
  - Audio & Video Technology & Film II
  - Audio & Video Technology & Film III\*
  - Work-Based Learning or Honors Mentorship

- ✓ **Animation and Digital Media Pathway (N)**
  - Introduction to Digital Media
  - Principles and Concepts of Animation
  - Advanced Animation, Game, and app Design\*
  - Work-Based Learning or Honors Mentorship
- ✓ **Graphic Design (A)**
  - Introduction to Graphics and Design
  - Graphic Design and Production
  - Advanced Graphic Design\*
  - Work-Based Learning or Honors Mentorship

## **BUSINESS, MANAGEMENT, & ADMINISTRATION CLUSTER**

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

## **EDUCATION AND TRAINING CLUSTER**

- ✓ **Teaching as a Profession Pathway (C, D, N, S, W)**
  - Examining the Teaching Profession
  - Contemporary Issues in Education
  - Teaching as a Profession Practicum\*
  - Work-Based Learning or Honors Mentorship

## **ENERGY CLUSTER**

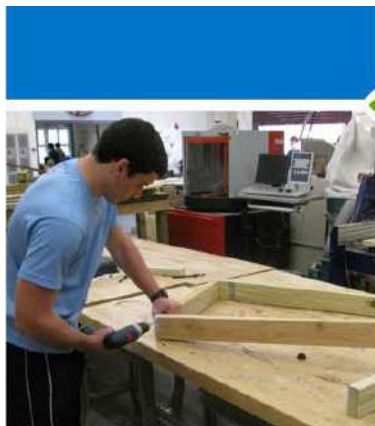
- ✓ **Energy Systems Pathway (A)**
  - Foundations of Energy Technologies
  - Energy and Power Technology
  - Appropriate and Alternative Energy Technologies\*
  - Work-Based Learning or Honors Mentorship

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Forsyth County Schools

# COLLEGE & Career DEVELOPMENT

## High School Career Pathways

# 2018-19



### FINANCE CLUSTER

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

### 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\*
  - Biotechnology Internship/Independent Research
  - Work-Based Learning or Honors Mentorship
- ✓ **Diagnostic Services – Phlebotomy Pathway (L)**
  - Introduction to Healthcare Science
  - Essentials of Healthcare
  - Diagnostics Phlebotomy\*
  - Work-Based Learning or Honors Mentorship

- ✓ **Emergency Medical Responder Pathway (A)**
  - Introduction to Healthcare Science
  - Essentials of Healthcare
  - Emergency Medical Responder\*
  - Work-Based Learning or Honors Mentorship
- ✓ **Health Informatics – Health Information Technology (A)**
  - Introduction to Healthcare Science
  - Essentials of Health Information Technology
  - Applications of Health Information Technology\*
  - Work-Based Learning or Honors Mentorship
- ✓ **Therapeutic Services – Sports Medicine (N)**
  - Introduction to Healthcare Science
  - Essentials of Healthcare
  - Sports Medicine\*
  - Work-Based Learning or Honors Mentorship

### HOSPITALITY AND TOURISM CLUSTER

- ✓ **Culinary Arts Pathway (D, L, S, W)**
  - Introduction to Culinary Arts
  - Culinary Arts I
  - Culinary Arts II\*
  - Work-Based Learning or Honors Mentorship
- ✓ **Hospitality, Recreation and Tourism (A)**
  - Marketing Principles
  - Hospitality, Recreation and Tourism Essentials
  - Hospitality, Recreation and Tourism Management\*
  - Work-Based Learning or Honors Mentorship
- ✓ **Sports and Entertainment Marketing Pathway (C, D, FV, L, N, S, W)**
  - Marketing Principles
  - Introduction to Sports & Entertainment Marketing
  - Advanced Sports & Entertainment Marketing\*
  - Work-Based Learning or Honors Mentorship

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Forsyth County Schools  
**COLLEGE & Career**  
DEVELOPMENT  
**High School Career Pathways**



**2018-19**

### **HUMAN SERVICES CLUSTER**

- ✓ **Personal Care Services – Cosmetology Pathway (C, W)**
  - Introduction to Personal Care Services
  - Cosmetology Services II
  - Cosmetology Services III\*
  - Work-Based Learning or Honors Mentorship
- ✓ **Food and Nutrition Pathway (C, L, N, W)**
  - Food, Nutrition & Wellness
  - Food for Life
  - Food Science\*
  - Work-Based Learning or Honors Mentorship

### **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\*
  - Work-Based Learning or Honors Mentorship
- ✓ **Cybersecurity Pathway (A)**
  - Introduction to Digital Technology
  - Introduction to Cybersecurity
  - Advanced Cybersecurity\*
  - Work-Based Learning or Honors Mentorship
- ✓ **Internet of Things Pathway (N)**
  - Introduction to Digital Technology
  - Computer Science Principles or AP Computer Science Principles
  - Embedded Computing\*
  - Work-Based Learning or Honors Mentorship
- ✓ **Game Design Pathway (FV)**
  - Introduction to Digital Technology
  - Computer Science Principles or AP Computer Science Principles
  - Game Design: Animation and Simulation\*
  - Work-Based Learning or Honors Mentorship

- ✓ **Programming Pathway (L, S)**
  - Introduction to Digital Technology
  - Computer Science Principles
  - Programming, Games, Apps, and Society\*
  - Work-Based Learning or Honors Mentorship
- ✓ **Web Development Pathway (D, FV, N, W)**
  - Introduction to Digital Technology
  - Computer Science Principles
  - Web Development\*
  - Work-Based Learning or Honors Mentorship

### **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\*
  - Work-Based Learning or Honors Mentorship
- ✓ **Law Enforcement /Criminal Investigations Pathway (A)**
  - Introduction to Law, Public Safety, Corrections and Security
  - Criminal Justice Essentials
  - Criminal Investigations\*
  - Work-Based Learning or Honors Mentorship
- ✓ **Legal Services/Applications of Law Pathway (A)**
  - Introduction to Law, Public Safety, Corrections and Security
  - Essentials of Legal Services
  - Applications of Law\*
  - Work-Based Learning or Honors Mentorship

### **MANUFACTURING CLUSTER**

- ✓ **Manufacturing Pathway (S)**
  - Foundations of Manufacturing and Materials Science
  - Robotics and Automated Systems
  - Production Enterprises\*
  - Work-Based Learning or Honors Mentorship

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**COLLEGE & Career**  
 DEVELOPMENT  
**High School Career Pathways**



**2018-19**

- ✓ **Mechatronics Pathway (A)**  
 Introduction to Mechatronics  
 AC Theory, Electric Motors, and Hydraulic Systems  
 Semiconductors, Mechanical Systems, and Pump and Piping Systems\*  
 Work-Based Learning or Honors Mentorship

**MARKETING CLUSTER**

- ✓ **Fashion, Merchandising and Retail Management Pathway (C, D, L, S, W)**  
 Marketing Principles  
 Fashion, Merchandising, and Retailing Essentials  
 Advanced Fashion, Merchandising, and Retailing\*  
 Work-Based Learning or Honors Mentorship
- ✓ **Marketing Communications and Promotions Pathway (C, S)**  
 Marketing Principles  
 Promotion and Professional Sales  
 Marketing Communications Essentials\*  
 Work-Based Learning or Honors Mentorship
- ✓ **Marketing & Management Pathway (C, D, FA, FV, L, N, S, W)**  
 Marketing Principles  
 Marketing and Entrepreneurship  
 Marketing Management\*  
 Work-Based Learning or Honors Mentorship

**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\*  
 Work-Based Learning or Honors Mentorship

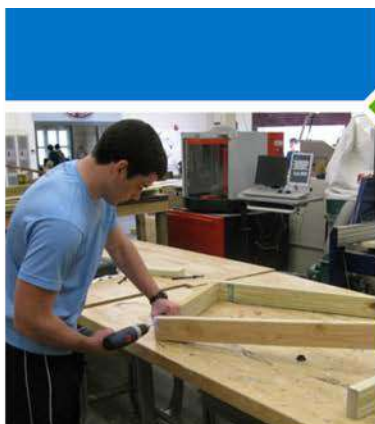
**TRANSPORTATION, DISTRIBUTION, & LOGISTICS CLUSTER**

- ✓ **Aerospace – Flight Operations (A)**  
 Fundamentals of Aerospace  
 Flight Operations I  
 Flight Operations II\*  
 Work-Based Learning or Honors Mentorship
- ✓ **Distribution & Logistics (A)**  
 Logistics Fundamentals  
 Logistics Operations  
 Materials Management\*  
 Work-Based Learning or Honors Mentorship
- ✓ **Master Automotive Service Technician Pathway (C)**  
 Basic Maintenance and Light Repair (MLR)  
 Maintenance and Light Repair 2  
 Maintenance and Light Repair 3  
 Automobile Service Technology 4  
 Automobile Service Technology 5  
 Automobile Service Technology 6  
 Master Automotive Service Technology 7  
 Master Automotive Service Technology 8  
 Automobile Service Technology Internship

**CAREER-RELATED DUAL ENROLLMENT OPTIONS at Lanier Technical College:**

Accounting, Air Conditioning Technology, Automotive Collision Repair, Automotive Technology, Building Automation Systems, Certified Nurse Aide (CNA), Cosmetology, Criminal Justice Technology, Design and Media Production Technology, Early Childhood Care and Education, Electrical Systems Technology, Horticulture, Industrial Systems Technology, Interiors, Machine Tool Technology, PC Repair and Network Technician, Welding and Joining Technology

**MANY OTHER PROGRAM AREAS AVAILABLE!**



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