



*Floyd D. Johnson
Technology Center*

2026 -2027 Completer Pathways Guide



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YORK
SCHOOL DISTRICT 1



QUESTIONS?

803-684-1910

FOR MORE INFORMATION VISIT

<https://fdjtc.york.k12.sc.us>

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Floyd D. Johnson Technology Center

Our Mission

is to cultivate a service-oriented community of learners who strive for personal growth and excellence as communicators, collaborators, creators, and critical thinkers.

We Are

a top-tier Career & Technical Education Center serving York School District One students in grades 9-12 with an emphasis on Career Readiness on all levels. We offer 34 industry credentials across our 20 completer pathways. Our strong partnership with York Technical College affords our students the opportunity to participate in 8 different dual enrollment pathways as part of our Technical Scholars Program.



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Our Why

Students are the focal point of all we do at the Floyd D. Johnson Technology Center. Instructional plans, decision-making, and programs are focused on meeting the needs of students and fully preparing them for life after high school as a Career-Ready, productive citizens.

Our daily work is guided by the Profile of a South Carolina Graduate, which was developed by The South Carolina State Board of Education (SCSBE), SC Chamber of Commerce, and the SC Association of School Administrators as a shared vision of the knowledge, skills and characteristics needed for students to be successful in higher learning and careers.



"It is important that efforts to transform South Carolina's public education system are aligned to a common goal. We rally around this new Profile as a framework all South Carolinians can embrace. It allows all of us – across all sectors – to speak a common language, around a common goal, towards unifying expectations of our students' future."

Dr. Traci Young-Cooper, Member of the SCSBE



AGRICULTURE CAREER CLUSTER

Horticulture Pathway

TO BE A COMPLETER:

Must have:

- Agriculture Science and Technology
- Introduction to Horticulture

Plus any 2 of these:

- Agriculture Mechanics and Technology
- Equipment Operations & Maintenance
- Landscape Technology
- Agriculture Work-Based Learning Course

Credentials Offered:

- Fundamentals of Animal Science
- Meat Evaluation
- Livestock Selection & Evaluation
- Outdoor Power Equipment
- Plant Science
- Principles of Floral Design
- Principles of Small Engine Technology
- Southwest Airlines Professional Communications





AGRICULTURE CAREER CLUSTER

Plant & Animal Systems Pathway

TO BE A COMPLETER:

Must have:

- Agriculture Science and Technology
- Animal Science

Plus any 2 of these:

- Agriculture Mechanics and Technology
- Equipment Operations & Maintenance
- Intro to Veterinary Science
- Marketing
- Agriculture Work-Based Learning Course

Credentials Offered:

- Fundamentals of Animal Science
- Meat Evaluation
- Livestock Selection & Evaluation
- Outdoor Power Equipment
- Plant Science
- Principles of Floral Design
- Principles of Small Engine Technology
- Southwest Airlines Professional Communications





CONSTRUCTION CAREER CLUSTER

Building Construction Pathway

TO BE A COMPLETER:

Must have:

- Building Construction 1
- Building Construction 2
- Building Construction 3
- Building Construction 4

Optional:

- Architecture & Construction Work-Based Learning Course

Credentials Offered:

- OSHA 10
- NCCER




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MANAGEMENT & ENTREPRENEURSHIP CAREER CLUSTER

General Management Pathway

TO BE A COMPLETER:

Must have:

- Accounting 1
- Entrepreneurship

Plus any 1 of these:

- Accounting 2
- Business Principles and Management
- Fundamentals of Web Page Design and Development
- Marketing
- Marketing Management
- Social Media Marketing
- Management and Entrepreneurship Work-Based Learning Course

Credentials Offered:

- Microburst Employability Skills



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EDUCATION CAREER CLUSTER

Introduction to Teaching Pathway

TO BE A COMPLETER:

Must have:

- Introduction to Teaching 1
- Introduction to Teaching 2

Plus any 1 of these:

- Early Childhood Education 1
- Entrepreneurship
- Health Science 1
- Introduction to Early Childhood Education
- Introduction to Web Page Design
- IT Fundamentals
- Education & Training Internship Work-Based Learning Course

Credentials Offered:

- OSHA 10
- Praxis CORE





EDUCATION CAREER CLUSTER

Family & Consumer Sciences Pathway

TO BE A COMPLETER:

Must have (any 2):

- Family & Consumer Sciences 1
- Foods & Nutrition 1
- Parenting Education

Plus any 1 of these:

- Intro. to Early Childhood Education
- Intro. to Culinary Arts
- Culinary Arts 1
- Entrepreneurship
- Early Childhood Education 1
- IT Fundamentals
- Intro. to Teaching 1
- Family & Consumer Sciences Work-Based Learning Course

Credentials Offered:

- Broad Field Family & Consumer Sciences
- ServSafe Food Handler
- ServSafe Food Manager



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FINANCIAL SERVICES CAREER CLUSTER

Accounting Pathway

TO BE A COMPLETER:

Must have:

- Accounting 1
- Accounting 2

Plus any 1 of these:

- Entrepreneurship
- Personal Finance (Full Unit Course)
- Financial Services Work-Based Learning Course

Credentials Offered:

- Microburst Employability Skills



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PUBLIC SERVICE & SAFETY CAREER CLUSTER

NOJROTC Pathway

TO BE A COMPLETER:

Must have:

- Naval Science 1
- Naval Science 2
(Eligible to enlist at paygrade E-2)
- Naval Science 3
(Eligible to enlist at paygrade (E-3))

Competitive Teams:

- Drill Team
- Color Guards
- Air Rifle Team
- Orienteering Team
- Drone Team

Community Service:

- Parades
- Boys & Girls Club
- City Clean-Up
- Community Events





PUBLIC SERVICE & SAFETY CAREER CLUSTER

Firefighting Pathway

TO BE A COMPLETER:

Must have:

- Introduction to Law, Public Safety, & Corrections
- Firefighter 1
- Firefighter 2

Optional:

- Law, Public Safety, & Corrections Work-Based Learning Course

Credentials Offered:

- Basic Auto Extrication
- Basic Life Saving/CPR/AED (BLS)
- HAZMAT Awareness
- HAZMAT Operations
- NFPA Firefighter 1
- NFPA Firefighter 2





HEALTHCARE & HUMAN SERVICES CAREER CLUSTER

Health Science Pathway

TO BE A COMPLETER:

Must have:

- Health Science 1
- Health Science 2

*Plus any 1 of
these:*

- Human Structure, Function, & Disease
- Introduction to Veterinary Science
- Medical Terminology
- Sports Medicine 1
- Health Science Work-Based Learning Course

Credentials Offered:

- Basic Life Saving/CPR/AED (BLS)
- Certified Clinical Medical Assistant
- Certified EKG Technician
- National Health Science Assessment
- Stop the Bleed



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HEALTHCARE & HUMAN SERVICES CAREER CLUSTER

Emergency Medicine Pathway

TO BE A COMPLETER:

Must have:

- Emergency Medicine 1
- Emergency Medicine 2

Plus any 1 of these:

- Human Structure, Function, & Disease
- Health Science 1
- Health Science 2
- Health Science 3
- Medical Terminology
- Sports Medicine 1
- Sports Medicine 2
- Health Science Work-Based Learning Course

Credentials Offered:

- Basic Life Saving/CPR/AED (BLS)
- Heartsaver First Aid
- NFHS Certifications
- Physical Therapy Technician
- Stop the Bleed



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HEALTHCARE & HUMAN SERVICES CAREER CLUSTER

Cosmetology Pathway

TO BE A COMPLETER:

Must have:

- Cosmetology 1
- Cosmetology 2
- Cosmetology 3
- Cosmetology 4

Optional:

- Human Services
Work-Based
Learning Course

Credentials Offered:

- Barbicide Certification
- South Carolina
Cosmetology License




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HOSPITALITY, EVENTS & TOURISM CAREER CLUSTER

Culinary Arts Pathway

TO BE A COMPLETER:

Must have:

- Culinary Arts Management 1
- Culinary Arts Management 2

Plus any 1 of these:

- Accounting 1
- Entrepreneurship
- Foods & Nutrition 1
- Foods & Nutrition 2
- Fundamentals of Web Page Design
- Introduction to Culinary Arts
- IT Fundamentals
- Hospitality & Tourism Work-Based Learning Course

Credentials Offered:

- ServSafe Food Handler
- ServSafe Food Manager





DIGITAL TECHNOLOGY CAREER CLUSTER

PLTW Computer Science Pathway

TO BE A COMPLETER:

Must have:

- PLTW Computer Science Essentials
- PLTW Computer Science Principles
- PLTW Game Design & Development
- PLTW Computer Science Applications

Optional:

- IT Work-Based Learning Credit

Credentials Offered:

- Microburst Employability Skills





DIGITAL TECHNOLOGY CAREER CLUSTER

Information Support & Services Pathway

TO BE A COMPLETER:

Must have:

- Computer Repair & Service
- Advanced Computer Repair & Service

Plus any 1 of these:

- Cyber Security Fundamentals
- Entrepreneurship
- Fundamentals of Computing
- Fundamentals of Web Design
- IT Fundamentals
- PLTW Computer Science Essentials
- PLTW Computer Science Principles
- Digital Technology Work-Based Learning Course

Credentials Offered:

- Test-Out IT Fundamentals
- Test-Out PC Pro
- Microburst Employability Skills




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DIGITAL TECHNOLOGY CAREER CLUSTER

Computer & Information Systems Security Pathway

TO BE A COMPLETER:

Must have:

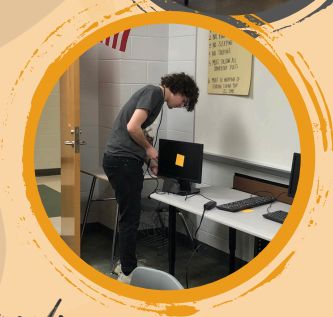
- Fundamentals of Cybersecurity
- Advanced Cybersecurity

*Plus any 2
of these:*

- Fundamentals of Computing
- IT Fundamentals
- PLTW Computer Science Essentials
- PLTW Computer Science Principles
- Digital Technology Work-Based Learning Course

Credentials Offered:

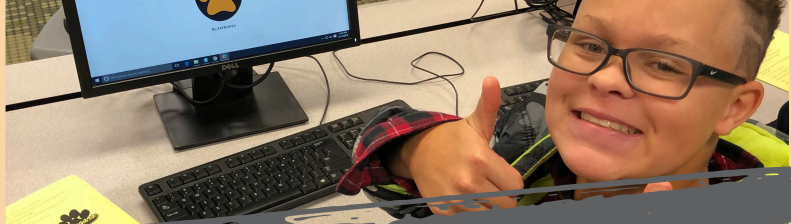
- Test-Out Security Pro
- Microburst Employability Skills



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DIGITAL TECHNOLOGY CAREER CLUSTER

Web & Digital Communications Pathway

TO BE A COMPLETER:

Must have:

- Fundamentals of Web Design & Development
- Advanced Web Design & Development

Plus any 1 of these:

- Digital Publication Design
- Discovering Computer Science (Must have parts 1 and 2)
- Entrepreneurship
- Fundamentals of Computing
- Image Editing 1
- IT Fundamentals
- Digital Technology Work-Based Learning Credit

Credentials Offered:

- Microburst Employability Skills



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MARKETING & SALES CAREER CLUSTER

Marketing Management Pathway

TO BE A COMPLETER:

Must have:

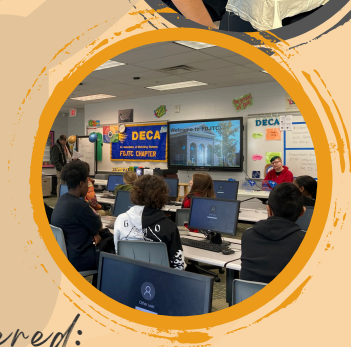
- Marketing
- Marketing Management

Plus any 1 of these:

- Accounting 1
- Accounting 2
- Entrepreneurship
- Social Media Marketing
- Sports & Entertainment Marketing
- Marketing Work-Based Learning Course

Credentials Offered:

- Microburst Employability Skills



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ADVANCED MANUFACTURING CAREER CLUSTER

Siemens Engineering Pathway

TO BE A COMPLETER:

Must have:

- Siemens 1 - Engineering Design (Formerly IED)
- Siemens Engineering 2 - Manufacturing & Automation (Formerly POE)
- Siemens 3 - Mechatronics & IoT (Formerly DE)
- Siemens 4 - Engineering Research & Development (Formerly CIM)

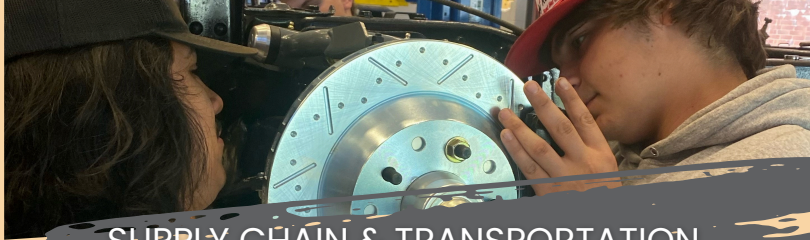
Optional:

- Science, Technology, Engineering, & Mathematics Work-Based Learning Course

Credentials Offered:

- OSHA 10





SUPPLY CHAIN & TRANSPORTATION CAREER CLUSTER

Automotive Pathway

TO BE A COMPLETER:

Must have:

- Automotive 1
- Automotive 2
- Automotive 3
- Automotive 4

Optional:

- Supply Chain & Transportation
Work-Based Learning Course

Credentials Offered:

- ASE Certification
- Snap-On Multimeter
- SP2 Automotive Technology




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Technical Scholars Dual Enrollment Program

What is Dual Enrollment?

Dual enrollment is a program that allows high school students to enroll in college courses for credit prior to high school graduation.

College credits earned through dual enrollment can be simultaneously applied toward high school and college graduation and can be transferred to other colleges or universities. (Check with other college/university first to ensure a specific course will transfer.)

Admissions Requirements

- Be at least 16 years old
- Currently enrolled and maintain enrollment as a high school Senior
- Parent permission and school official permission
- Must complete college's admissions process

Benefits of Dual Enrollment

- Students gain an early start on earning an associate's or bachelor's degree. The credits earned through dual enrollment will help them complete their college degree sooner.
- Students can complete certain associate degrees or certificates while still in high school.
- Students can explore and expand their interests through courses not normally offered at their high school.
- Taking college courses while still in high school can help to ease the transition from high school to college.
- Dual enrollment students are considered students of the college and usually have access to all of the support services.
- The cost savings will be significant. Students can potentially take up to two years' worth of courses at a lower rate per credit hour (in some cases, no charge at all).



CONSTRUCTION CAREER CLUSTER

Utility Line Worker Pathway

TO BE A COMPLETER:

Semester 1:

- ELW 110 - Electrical Computations
- ELW 111 - Intro. to Electrical Line Worker (Senior Course Request)
- ELW 112 - Introduction to Electricity

Semester 2:

- ELW 114 - Overhead Line Construction I
- ELW 211 - Underground Line Construction I
- ELW 231 - Electrical Power Systems

Credentials Offered:

- OSHA 10
- Basic Line Worker Certificate



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CONSTRUCTION CAREER CLUSTER

Residential & Commercial Electricity Pathway

TO BE A COMPLETER:

Semester 1:

- BCT 105 - Tool Use & Safety (Senior Course Request)
- BCT 111 - Blue Print Reading & Specifications
- BCT 221 - Construction Building Code

Semester 2:

- ACR 206 - Advanced Electricity
- BCT 139 - Advanced Residential Wiring
- BCT 140 - Commercial Wiring

Credentials Offered:

- OSHA 10
- Residential/Commercial Wiring Certificate



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ADVANCED MANUFACTURING CAREER CLUSTER

Manufacturing Fundamentals Pathway

TO BE A COMPLETER:

Semester 1:

- COL 101 - College Orientation
- EGT 114 - Welding Print Basics **OR** EGT 128 - Machine Tool Print Layout
- MTT 111 - Machine Tool Theory & Practice I
- WLD 111 - Arc Welding 1 (Senior Course Request)

Semester 2:

- MTT 251 - CNC Operations
- WLD 136 - Advanced Inert Gas Welding
- WLD 152 - Tungsten Arc Welding

Credentials Offered:

- OSHA 10
- Manufacturing Fundamentals Certificate
- HAAS



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SUPPLY CHAIN & TRANSPORTATION CAREER CLUSTER

Automotive Diesel Engine Performance Pathway

TO BE A COMPLETER:

Semester 1:

- AUT 133 - Electrical Fundamentals
- AUT 161 - Intro. to Auto Maintenance (Senior Course Request)
- AUT 131 - Electrical Systems
- AUT 143 - Active Devices & Sensors

Semester 2:

- AUT 146 - Emissions Systems
- AUT 149 - Ignition & Fuel Systems
- AUT 102 - Engine Repair
- DHM 205 - Diesel Engines II

Credentials Offered:

- OSHA 10



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SUPPLY CHAIN & TRANSPORTATION CAREER CLUSTER

Automotive Collision Pathway

TO BE A COMPLETER:

Semester 1:

- ABR 100 - Intro. to HazMat
- ABR 101 - Structural Repair 1 (Senior Course Request)
- ABR 102 - MIG Welding

Semester 2:

- ABR 103 - Sheet Metal Repair
- ABR 108 - Refinishing

Credentials Offered:

- OSHA 10
- Basic Collision Repair Certificate



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HEALTHCARE & HUMAN SERVICES CAREER CLUSTER

Certified Nursing Assistant (CNA) Pathway

To be eligible, students must be a successful completer in Health Science or Emergency Medical Services with a 75 average or higher prior to Senior year.

TO COMPLETE:

Fall Semester Senior Year:

- Health Science Clinical Studies

Spring Semester Senior Year

- AHS 117 - Care of Patients
- AHS 120 - Response to Emergencies
- Required Clinical Internship

Credentials Offered:

- CNA Exam



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HEALTHCARE & HUMAN SERVICES SCIENCE CAREER CLUSTER

Certified Clinical Medical Assistant (CCMA) Pathway

To be eligible, students must be a successful completer in Health Science or Emergency Medical Services with a 75 average or higher prior to Senior year.

TO COMPLETE:

Fall Semester Senior Year:

- Health Science Clinical Studies

Spring Semester Senior Year

- AHS 145 - Electrocardiography
- AHS 120 - Response to Emergencies
- Required Clinical Internship

Credentials Offered:

- CCMA Exam
- EKG Exam



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