



Woods Cross High School

2021-2022

CAREER AND TECHNICAL EDUCATION PATHWAYS



A pathway is a roadmap or series of courses in an area of study to help jumpstart you into your career exploration.

Students who focus on a pathway acquire the skills to transition smoothly into their post-high school education or job. Career and Technical Education has **Career Pathways** that are organized into **Career Clusters**. Each pathway within a cluster is structured to make it easier to see which courses are relevant to certain career areas to assist in your high school course planning.

Basic Requirements:

1. Complete a series of courses in one or more of the CTE Pathways. Most pathways require completion of at least three credits; generally two in foundation courses, and at least one in elective courses.
2. Complete all high school graduation requirements. No application necessary. Completers determined by the CTE Coordinator.



Agriculture, Food & Natural Resources

Animal and Veterinary Science

Food Science, Dietetics and Nutrition

Arts, Audio/Visual Technology and Communications

Broadcasting and Digital Media

Graphic Design and Communication

Business, Finance and Marketing

Accounting and Finance

Business Administration

Business Information Management

Digital Marketing

Computer Science and Information Technology

Programming and Software Development

Education and Training

K-12 Teaching as a Profession

Pre-K Early Childhood Education

Engineering and Technology

Engineering

Mechanical Design (CAD)

Health Science

Health Science

Hospitality and Tourism

Culinary Arts

Hospitality and Tourism

Human Services

Personal Care Services

Manufacturing

Manufacturing and Production

Welding and Machining

Transportation, Distribution and Logistics

Auto Mechanics and Repairs

Diesel



Woods Cross High Career and Technical Education Pathways at a Glance

Career Cluster: Agriculture, Food & Natural Resources

Career Pathway: Animal & Veterinary Science

Explorer Courses:

Animal Science 1	YR
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Concentrator Courses:

Animal Science 2	YR
Business Communication (Magnet)	SEM

Completer Courses:

CTE Internship	SEM
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Career Pathway: Food Science, Dietetics & Nutrition

Explorer Courses:

Food & Nutrition 1	SEM
CE Human Development	YR
Medical Anatomy & Physiology	YR

Concentrator Courses:

Food & Nutrition 2	SEM
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Completer Courses:

CE Foundations of Nutrition	SEM
CTE Internship	SEM

Career Cluster: Arts, Audio/Visual Technology & Communications

Career Pathway: Broadcasting & Digital Media

Supporting Courses:

Drawing I	SEM
Film Making History	SEM
Marketing I	SEM
Painting I	SEM
Theater	SEM

Explorer Courses:

3D Graphics	SEM
3D Animation	SEM
CE Computer Science Principles	SEM
CE Computer Programming I	SEM
CE Digital Graphic Arts Intro/Digital Media I	YR
CE Game Development Fundamentals	SEM

Concentrator Courses:

TV Broadcasting I	SEM
Video Production I	SEM

Completer Courses:

TV Broadcasting II	SEM
CTE Internship	SEM

Career Pathway: Graphic Design & Communication

Supporting Courses:

Drawing 1	SEM
Entrepreneurship	SEM
Painting 1	SEM

Explorer Courses:

CE Digital Graphic Arts Intro/ Digital Media 1	YR
Commercial Art 1	SEM

Concentrator Courses:

Commercial Art 2	SEM
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Completer Courses:

Commercial Art 3	SEM
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Career Cluster: Business, Finance & Marketing

Career Pathway: Accounting & Finance

Explorer Courses:	
Accounting I	SEM
Business Communication (Magnet)	SEM
Business Law	SEM
CE Entrepreneurship	SEM
Marketing I	SEM
Web Development I	SEM
Concentrator Courses:	
Accounting II	SEM
Completer Courses:	
CTE Internship	SEM

Career Pathway: Business Administration

Explorer Courses:	
Accounting I	SEM
Business Communication (Magnet)	SEM
Business Law	SEM
CE Digital Graphic Arts Intro/Digital Media I	YR
CE Entrepreneurship	SEM
Marketing I	SEM
Web Development I	SEM
Concentrator Courses:	
CE Business Management	SEM
Completer Courses:	
CTE Internship	SEM

Career Pathway: Business Information Management

Explorer Courses:	
Accounting I	SEM
Business Communication (Magnet)	SEM
Business Law	SEM
CE Digital Graphic Arts Intro/Digital Media I	YR
CE Entrepreneurship	SEM
Web Development I	SEM
Concentrator Courses:	
CE Business Office Specialist	SEM
Completer Courses:	
CTE Internship	SEM

Career Pathway: Digital Marketing

Explorer Courses:	
Accounting I	SEM
Business Communication (Magnet)	SEM
Business Law	SEM
CE Digital Graphic Arts Intro/Digital Media I	YR
CE Entrepreneurship	SEM
Marketing I	SEM
Web Development I	SEM
Concentrator Courses:	
Digital Marketing (Magnet)	SEM
Completer Courses:	
CTE Internship	SEM

Career Cluster: Computer Science & Information Technology

Career Pathway: Programming & Software Development

Explorer Courses:	
CE Computer Programming I	SEM
CE Computer Science Principles	SEM
CE Game Development Fundamentals	SEM
Concentrator Courses:	
CE Computer Programming II (Magnet)	SEM
Completer Courses:	
AP Computer Science (Magnet)	YR
CTE Internship	SEM

Career Cluster: Education & Training

Career Pathway: K-12 Teaching as a Profession

Supporting Courses:	
CE Business Office Specialist	SEM
Psychology	SEM
Web Development	SEM
Explorer Courses:	
Business Communication (Magnet)	SEM
English 1010	SEM
CE Human Development	YR
Math 1050	SEM
Teaching as a Profession I	SEM
Concentrator Courses:	
Teaching as a Profession II	SEM
Completer Courses:	
CE Teaching as a Profession	SEM
CTE Internship	SEM

Career Pathway: Pre-K Early Childhood Education

Supporting Courses:	
CE Business Office Specialist	SEM
CE Entrepreneurship	SEM
Explorer Courses:	
CE Child Development	SEM
CE Early Childhood Ed I	SEM
Food & Nutrition I	SEM
Concentrator Courses:	
Early Childhood Ed II	SEM
Completer Courses:	
Early Childhood Ed III	SEM
CTE Internship	SEM

Career Cluster: Engineering & Technology

Career Pathway: Engineering

Supporting Courses:	
Chemistry	YR
Secondary Math 2	YR
Physics	YR
Explorer Courses:	
Composites/Manufacturing Principles	YR
CE Principles of Engineering	YR
Robotics I (Magnet)	YR
Welding Tech - Entry Level	YR
CE Woodworking	SEM
Concentrator Courses:	
Aerospace Engineering	YR
Robotics II (Magnet)	YR
Completer Courses:	
CTE Internship	SEM

Career Pathway: Mechanical Design (CAD)

Supporting Courses:	
Secondary Math 2	YR
Explorer Courses:	
CAD Mechanical Design I (Magnet)	SEM
Composites/Manufacturing Principles	YR
Welding Tech - Entry Level	YR
CE Woodworking	SEM
Concentrator Courses:	
CAD Mechanical Design II (Magnet)	SEM
Completer Courses:	
CAD Mechanical Design III (Magnet)	SEM
CTE Internship	SEM

Career Cluster: Health Science

Career Pathway: Health Science

Explorer Courses:

Health Science Intro	SEM
CE Human Development	YR
CE Medical Anatomy & Physiology	YR

Concentrator Courses:

Biotechnology	YR
Dental Assistant (Davis Tech)	YR+
Emergency Medical Responder	SEM
Emergency Medical Technician (Davis Tech)	SEM
Exercise Science/Sports Medicine	YR
Medical Forensics	YR
Medical Assistant (Davis Tech)	YR
Nurse Assistant (Magnet)	SEM
Pharmacy Technician (Davis Tech)	YR+

Completer Courses:

CTE Internship	SEM
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Career Cluster: Hospitality & Tourism

Career Pathway: Culinary Arts

Supporting Courses:

CE Entrepreneurship	SEM
Hospitality & Tourism	SEM

Explorer Courses:

Food & Nutrition I	SEM
CE Culinary Arts	YR
Prostart I (Magnet)	YR

Concentrator Courses:

Culinary Arts Program (Davis Tech)	YR+
Prostart II (Magnet)	YR

Completer Courses:

Baking and Pastry	SEM
CTE Internship	SEM

Career Pathway: Hospitality & Tourism

Explorer Courses:

Accounting I	SEM
Business Communication (Magnet)	SEM
Business Law	SEM
Culinary Arts	SEM
CE Digital Graphic Arts Intro/ Digital Media I	YR
CE Entrepreneurship	SEM
Marketing I	SEM
Web Development I	SEM

Concentrator Courses:

Hospitality & Tourism	SEM
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Completer Courses:

CTE Internship	SEM
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Career Cluster: Human Services

Career Pathway: Personal Care Services

Explorer Courses:

Accounting I	SEM
CE Business Management	SEM

Concentrator Courses:

Cosmetology (Davis Tech)	YR+
Hair Design (Davis Tech)	YR+
Basic Esthetician (Davis Tech)	YR+
Nail Tech (Davis Tech)	YR

Completer Courses:

CTE Internship	SEM
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Career Cluster: Manufacturing

Career Pathway: Manufacturing & Production

Explorer Courses:

CAD Mechanical Design I (Magnet)	SEM
Composites/Manufacturing Principles	YR
Woods 1	SEM

Concentrator Courses:

Composites II (Magnet)	SEM
Woods 2	SEM

Completer Courses:

Woods 3	SEM
CTE Internship	SEM

Career Pathway: Welding & Machining

Explorer Courses:

Welding Tech - Entry Level	YR
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Concentrator Courses:

CE Welding Intermediate	YR
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Completer Courses:

Welding Program (Davis Tech)	YR+
CTE Internship	SEM

Career Cluster: Transportation, Distribution & Logistics

Career Pathway: Auto Mechanics & Repairs

Explorer Courses:

Welding Tech- Entry Level	YR
Automotive Intro	SEM

Concentrator Courses:

ASE Chassis MLR (Auto 2)	SEM
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Completer Courses:

Auto: Electrical/ Electronics	SEM
ASE Brakes	SEM
ASE Steering / Suspension	SEM
Auto: Engine Performance	SEM
CTE Internship	SEM

Career Pathway: Diesel

Explorer Courses:

Automotive Intro	SEM
Welding Tech - Entry Level	YR

Concentrator Courses:

Diesel Program (Davis Tech)	YR+
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Completer Courses:

CTE Internship	SEM
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