



Woods Cross High School 2021-2022

CAREER AND TECHNICAL EDUCATION PATHWAYS

Courses combine the academic knowledge and technical skills that are vital for entry into the careers of the 21st century. Many CTE courses also offer Concurrent Enrollment College credit. Career Pathways help students to seamlessly transition from high school to college to careers and life. Skills are verified through CTE State Skill Certificate tests or industry tests in each course.



A CTE Career Pathway is a sequence of courses within a student's area of interest that connects to career interests and serves as an educational road map, leading to a credential.

BASIC REQUIREMENTS:

1. Complete a series of courses in one or more of the CTE Pathways. Pathways require completion of at least three credits; generally, an Explorer Course, Concentrator and Completer Course.
2. Complete all high school graduation requirements. No application necessary. Completers determined by the CTE Coordinator.





TRANSPORTATION, DISTRIBUTION AND LOGISTICS

Career Pathway:

Auto Mechanics & Repairs

Supporting Courses: Suggested courses that support the Career Pathway (Courses DO NOT count toward Pathway)

College and Career Awareness (Junior HS)
Exploring Technology (Junior HS)
Entrepreneurship

Pathway Courses

Explorer Courses: Choose one or more of the following courses.

Automotive Intro	SEM
Welding Tech - Entry Level	YR

Concentrator Courses: To be a concentrator you must pass the following course AND one Explorer course.

ASE Chassis	SEM
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Completer Courses: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway

ASE Brakes	SEM
ASE Steering and Suspension	SEM
ASE Engine Performance	SEM
CTE Internship	SEM

Career Pathway:

Diesel

Supporting Courses: Suggested courses that support the Career Pathway (Courses DO NOT count toward Pathway)

College and Career Awareness (Junior HS)
Exploring Technology (Junior HS)
Entrepreneurship

Pathway Courses

Explorer Courses: Choose one or more of the following courses.

Automotive Intro	SEM
Welding Tech - Entry Level	YR

Concentrator Courses: To be a concentrator you must pass the following course AND one Explorer course.

Diesel Program (DTC)	YR+
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Completer Courses: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway

Diesel Program (DTC)	YR+
CTE Internship	SEM



Career Pathway: Broadcasting & Digital Media

Supporting Courses: Suggested courses that support the Career Pathway (Courses DO NOT count toward Pathway)

College and Career Awareness (Junior HS)	
Drawing I	SEM
Film Making History	SEM
Marketing I	SEM
Painting I	SEM
Theater	SEM

Pathway Courses

Explorer Courses: Choose one or more of the following 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: To be a concentrator you must pass the following course AND one Explorer course.

TV Broadcasting I	SEM
Video Production I	SEM

Completer Courses: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway

TV Broadcasting II	SEM
CTE Internship	SEM



Career Pathway: Graphic Design & Communication

Supporting Courses: Suggested courses that support the Career Pathway (Courses DO NOT count toward Pathway)

College and Career Awareness (Junior HS)	
Drawing 1	SEM
Entrepreneurship	SEM
Painting 1	SEM

Pathway Courses

Explorer Courses: Choose one or more of the following courses.

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

Concentrator Courses: To be a concentrator you must pass the following course AND one Explorer course.

Commercial Art 2 : Advertising Design	SEM
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Completer Courses: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway

Commercial Art 3: Industrial Design	SEM
CTE Internship	SEM

ARTS, AUDIO/VISUAL TECHNOLOGY AND COMMUNICATIONS



WXHS Career & Technical
Education Pathways

HEALTH SCIENCE

Career Pathway: Health Science

Supporting Courses: Suggested courses that support the Career Pathway (Courses DO NOT count toward Pathway)

College and Career Awareness	YR
Exploring Health Science	SEM

Pathway Courses

Explorer Courses: Choose one or more of the following courses.

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

Concentrator Courses: To be a concentrator you must pass the following course AND one Explorer course.

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

Completer Courses: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway

CTE Internship	SEM
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HOSPITALITY AND TOURISM



Career Pathway: Culinary Arts

Supporting Courses: Suggested courses that support the Career Pathway (Courses DO NOT count toward Pathway)

College and Career Awareness (Junior HS)	
FCS Exploration (Junior HS)	
CE Entrepreneurship	SEM
Hospitality & Tourism	SEM

Pathway Courses

Explorer Courses: Choose one or more of the following courses.

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

Concentrator Courses: To be a concentrator you must pass the following course AND one Explorer course.

Prostart 2 (Magnet)	YR
Culinary Arts Program (Davis Tech)	YR+

Completer Courses: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway

Baking & Pastry	YR
CTE Internship	SEM

Career Pathway: Hospitality & Tourism

Supporting Courses: Suggested courses that support the Career Pathway (Courses DO NOT count toward Pathway)

College and Career Awareness (Junior HS)
Digital Literacy
Exploring Business and Marketing

Pathway Courses

Explorer Courses: Choose one or more of the following 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: To be a concentrator you must pass the following course AND one Explorer course.

Hospitality & Tourism	SEM
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Completer Courses: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway

Business and Marketing Capstone	
CTE Internship	SEM



BUSINESS, FINANCE AND MARKETING



Career Pathway: Business Information Management	
Supporting Courses: Suggested courses that support the Career Pathway (Courses DO NOT count toward Pathway)	
College and Career Awareness (Junior HS)	
Digital Literacy (Junior HS)	
Exploring Business and Marketing (Junior HS)	
Creave Coding (Junior HS)	
Pathway Courses	
Explorer Courses: Choose one or more of the following 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: To be a concentrator you must pass the following course AND one Explorer course.	
CE Business Office Specialist	SEM
Completer Courses: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway	
Business and Marketing Capstone (Catalyst Center)	
CTE Internship	SEM

Career Pathway: Marketing	
Supporting Courses: Suggested courses that support the Career Pathway (Courses DO NOT count toward Pathway)	
College and Career Awareness (Junior HS)	
Digital Literacy (Junior HS)	
Exploring Business and Marketing (Junior HS)	
Pathway Courses	
Explorer Courses: Choose one or more of the following 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: To be a concentrator you must pass the following course AND one Explorer course.	
Digital Marketing (Magnet)	SEM
Completer Courses: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway	
Business and Marketing Capstone (Catalyst Center)	
CTE Internship	SEM



Career Pathway: Accounting & Finance	
Supporting Courses: Suggested courses that support the Career Pathway (Courses DO NOT count toward Pathway)	
College and Career Awareness (Junior HS)	
Digital Literacy (Junior HS)	
Exploring Business and Marketing (Junior HS)	
Pathway Courses	
Explorer Courses: Choose one or more of the following courses.	
Accounting I	SEM
Business Communication (Magnet)	SEM
Business Law	SEM
CE Digital Graphic Arts Intro/ Digital Media 1	YR
CE Entrepreneurship	SEM
Marketing I	SEM
Web Development I	SEM
Concentrator Courses: To be a concentrator you must pass the following course AND one Explorer course.	
Accounting II	SEM
CE Business Management	SEM
Completer Courses: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway	
Business and Marketing Capstone (Catalyst Center)	
CTE Internship	SEM

Career Pathway: Business Administration	
Supporting Courses: Suggested courses that support the Career Pathway (Courses DO NOT count toward Pathway)	
College and Career Awareness (Junior HS)	
Digital Literacy (Junior HS)	
Exploring Business and Marketing (Junior HS)	
Pathway Courses	
Explorer Courses: Choose one or more of the following 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: To be a concentrator you must pass the following course AND one Explorer course.	
CE Business Management	SEM
Completer Courses: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway	
Business and Marketing Capstone (Catalyst Center)	
CTE Internship	SEM





AGRICULTURE, FOOD AND NATURAL RESOURCES

Career Pathway: Animal & Veterinary Science

Supporting Courses: Suggested courses that support the Career Pathway (Courses DO NOT count toward Pathway)

College and Career Awareness (Junior HS)

Pathway Courses

Explorer Courses: Choose one or more of the following courses.

Animal Science 1

YR

Concentrator Courses: To be a concentrator you must pass the following course AND one Explorer course.

Animal Science 2

YR

Business Communication (Magnet)

SEM

Completer Courses: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway

CTE Internship

SEM



Career Pathway: Food Science, Dietetics & Nutrition

Supporting Courses: Suggested courses that support the Career Pathway (Courses DO NOT count toward Pathway)

College and Career Awareness (Junior HS)

FCS Exploration

Pathway Courses

Explorer Courses: Choose one or more of the following courses.

Food & Nutrition 1

SEM

CE Human Development

YR

Medical Anatomy & Physiology

YR

Concentrator Courses: To be a concentrator you must pass the following course AND one Explorer course.

Food & Nutrition 2

SEM

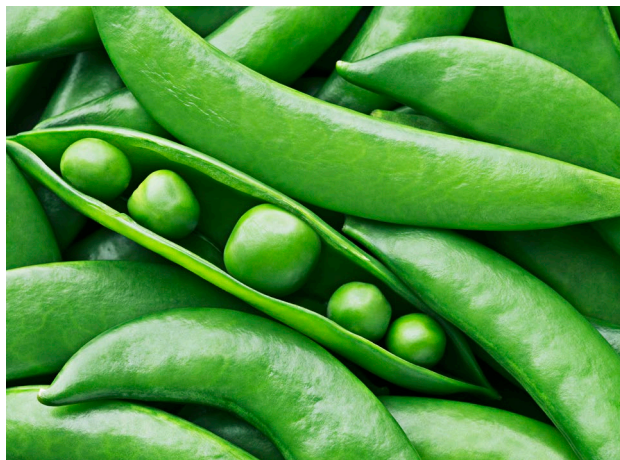
Completer Courses: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway

CE Foundations of Nutrition

SEM

CTE Internship

SEM



ENGINEERING & TECHNOLOGY



Career Pathway: Mechanical Design (CAD)

Supporting Courses: Suggested courses that support the Career Pathway (Courses DO NOT count toward Pathway)

College and Career Awareness (Junior HS)	
Exploring Technology (Junior HS)	
Secondary Math 2	YR

Pathway Courses

Explorer Courses: Choose one or more of the following courses.

CAD Mechanical Design I (Magnet)	SEM
Composites/Manufacturing Principles	YR
Welding Tech - Entry Level	YR
Woods 1	SEM

Concentrator Courses: To be a concentrator you must pass the following course AND one Explorer course.

CAD Mechanical Design II (Magnet)	SEM
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Completer Courses: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway

CAD Mechanical Design III (Magnet)	SEM
CTE Internship	SEM



Career Pathway: Engineering

Supporting Courses: Suggested courses that support the Career Pathway (Courses DO NOT count toward Pathway)

College and Career Awareness (Junior HS)	
Exploring Technology (Junior HS)	
Chemistry	YR
Physics	YR
Secondary Math 2	SEM

Pathway Courses

Explorer Courses: Choose one or more of the following courses.

Composites/Manufacturing Principles	YR
CE Principles of Engineering	YR
Robotics I (Magnet)	YR
Welding Tech - Entry Level	YR
Woods 1	SEM

Concentrator Courses: To be a concentrator you must pass the following course AND one Explorer course.

Aerospace Engineering	YR
Robotics II (Magnet)	YR

Completer Courses: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway

Engineering Capstone	
CTE Internship	SEM



HUMAN SERVICES



Career Pathway: Personal Care Services

Supporting Courses: Suggested course that supports the Career Pathway (Courses DO NOT count toward Pathway)

College and Career Awareness (Junior HS)

Pathway Courses

Explorer Courses: Choose one or more of the following courses.

Accounting I	SEM
CE Business Management	SEM

Concentrator Courses: To be a concentrator you must pass the following course AND one Explorer course.

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

Completer Courses: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway

CTE Internship	SEM
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Career Pathway: Behavioral Health & Social Services

Supporting Courses: Suggested course that supports the Career Pathway (Courses DO NOT count toward Pathway)

College and Career Awareness (Junior HS)

Psychology

Pathway Courses

Explorer Courses: Choose one or more of the following courses.

Health Science, Intro	SEM
Human Development	SEM

Concentrator Courses: To be a concentrator you must pass the following course AND one Explorer course.

Courses listed below are under development, Available SY 2022-2023

Community and Family Service
Individual and Family Health
Personal and Family Finance

Completer Courses: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway

Courses listed below are under development, Available SY 2023-2024

Behavioral Health
Health Career Integration
Mental & Counseling Health
Community Health
Social Services
CTE Internship





Career Pathway:

K-12 Teaching as a Profession

Supporting Courses: Suggested courses that support the Career Pathway (Courses DO NOT count toward Pathway)

College and Career Awareness (Junior HS)	
Digital Literacy (Junior HS)	
CE Business Office Specialist	SEM
Psychology	SEM
Web Development 1	SEM

Pathway Courses

Explorer Courses: Choose one or more of the following courses.

Business Communication (Magnet)	SEM
English 1010	SEM
CE Human Development	YR
Math 1050	SEM
Teaching as a Profession 1	SEM

Concentrator Courses: To be a concentrator you must pass the following course AND one Explorer course.

Teaching as a Profession 2	SEM
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Completer Courses: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway

CE Teaching as a Profession 3	SEM
CTE Internship	SEM

Career Pathway:

Pre-K Early Childhood Education

Supporting Courses: Suggested courses that support the Career Pathway (Courses DO NOT count toward Pathway)

College and Career Awareness (Junior HS)	
FCS Exploration (Junior HS)	
CE Business Office Specialist	SEM
CE Entrepreneurship	SEM

Pathway Courses

Explorer Courses: Choose one or more of the following courses.

CE Child Development	SEM
CE Early Childhood Ed 1	SEM
Food & Nutrition I	SEM

Concentrator Courses: To be a concentrator you must pass the following course AND one Explorer course.

Early Childhood Ed 2	SEM
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Completer Courses: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway

Early Childhood Ed 3 (Childcare Training Center)	SEM
CTE Internship	SEM

EDUCATION AND TRAINING



WXHS Career & Technical Education
Pathways



Computer Science & Information Technology

Career Pathway: Programming & Software Development

Supporting Courses: Suggested courses that support the Career Pathway (Courses DO NOT count toward Pathway)

College and Career Awareness (Junior HS)

Digital Literacy (Junior HS)

Creative Coding (Junior HS)

Physics

Secondary Math 2, 3

Math 1050

Pathway Courses

Explorer Courses: Choose one or more of the following courses.

CE Computer Programming I	SEM
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CE Computer Science Principles	SEM
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CE Game Development Fundamentals	SEM
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Exploring Computer Science (Junior HS)	SEM
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Concentrator Courses: To be a concentrator you must pass the following course AND one Explorer course.

CE Computer Programming II (Magnet)	SEM
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Completer Courses: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway

AP Computer Science (Magnet)	YR
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CTE Internship	SEM
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LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY

Career Pathway: Protective Services

Supporting Courses: Suggested courses that support the Career Pathway (Courses DO NOT count toward Pathway)

College and Career Awareness (Junior HS)

Emergency Medical Response

Emergency Medical Technician

Pathway Courses

Explorer Courses: Choose one or more of the following courses.

Criminal Justice, Intro

SEM

Concentrator Courses: To be a concentrator you must pass the following course AND one Explorer course.

Criminal Law (Magnet)

SEM

Completer Courses: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway

CTE Internship

SEM



MANUFACTURING

Career Pathway: Manufacturing & Production

Supporting Courses: Suggested courses that support the Career Pathway (Courses DO NOT count toward Pathway)

College and Career Awareness (Junior HS)
Exploring Technology (Junior HS)
Secondary Math 2

Pathway Courses

Explorer Courses: Choose one or more of the following courses.

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

Concentrator Courses: To be a concentrator you must pass the following course AND one Explorer course.

Composites II (Magnet)	SEM
Woods 2	SEM

Completer Courses: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway

Woods 3	SEM
CTE Internship	SEM



Career Pathway: Welding & Machining

Supporting Courses: Suggested courses that support the Career Pathway (Courses DO NOT count toward Pathway)

College and Career Awareness (Junior HS)
Exploring Technology (Junior HS)

Pathway Courses

Explorer Courses: Choose one or more of the following courses.

Welding Tech - Entry Level	YR
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Concentrator Courses: To be a concentrator you must pass the following course AND one Explorer course.

CE Welding, Intermediate Level	YR
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Completer Courses: To be a completer you must pass enough courses to earn 3.0 credits in this Pathway

CE Welding, Advanced Level	YR
CTE Internship	SEM