

WARREN COUNTY PUBLIC SCHOOLS

HIGH SCHOOL PATHWAYS



BUSINESS	FACS	AGRICULTURE	JROTC
ACCOUNTING ADMIN SUPPORT BUSINESS SUPPORT / ENTREPRENEURSHIP COMPUTER SCIENCE E - COMMERCE	HOSPITALITY AND TOURISM FAMILY AND CONSUMER SCIENCE EARLY CHILDHOOD	ANIMAL SCIENCE AG - POWER AGRIBUSINESS HORTICULTURE	



BUSINESS	FACS	AGRICULTURE	BIO - MEDICAL	COMPUTER SCIENCE	AFJROTC
ADMIN SUPPORT E - COMMERCE	CULINARY EARLY CHILDHOOD EDUCATION	ANIMAL SCIENCE AG - POWER AGRIBUSINESS	PRE - NURSING	COMPUTER PROGRAMMING	



BUSINESS	FACS	AGRICULTURE	COMPUTER SCIENCE
ADMIN SUPPORT FINANCIAL SERVICES MANAGEMENT / ENTREPRENEURSHIP MARKETING	CONSUMER AND FAMILY SERVICES FASHION AND INTERIOR DESIGN FUNDAMENTALS OF TEACHING EARLY CHILDHOOD EDUCATION CULINARY	ANIMAL SCIENCE AG - POWER AGRIBUSINESS HORTICULTURE	COMPUTER PROGRAMMING



BUSINESS	FACS	AGRICULTURE	JROTC
MARKETING ADMIN SUPPORT COMPUTER PROGRAMMING	CONSUMER AND FAMILY MANAGEMENT FUNDAMENTALS OF TEACHING EARLY CHILDHOOD EDUCATION CULINARY	AG - POWER HORTICULTURE	

Below are courses offered by the Warren County Area Technology Center. These programs are open to all WCPS students. Students are transported daily to and from the Warren County ATC in order to participate in these programs.



AUTOMOTIVE TECHNOLOGY	CONSTRUCTION TECHNOLOGY	ENGINEERING	HEALTH SCIENCES	HEAVY EQUIPMENT	INDUSTRIAL MANTIENCE	WELDING

BUSINESS

PATHWAYS

Career Pathway	Description	Courses Offered	Transition Ready Measures	Careers
Accounting	Prepares students to practice the profession of accounting and perform related business functions	Digital Literacy Accounting and Finance Foundations Advanced Accounting Intro to Management CIT 105 Intro to Computers (SKYCTC Dual Credit) Ethical Leadership BAS 160 Intro to Business DC (SKYCTC Dual Credit) Office Administration BAS 120 Personal Finance (SKYCTC Dual Credit) Business and Marketing Essentials Business Co-op	Accounting EOP A*S*K Exam: Concepts of Finance	Accountant Tax Preparer Auditor Budget Analyst Payroll Manager Financial Analyst
Administrative Support	Prepares students for an advanced level of experiences as they serve in positions such as college interns, administrative assistants, etc.	Digital Literacy Accounting Personal Finance CIT 105 Intro to Computers BAS 160 Intro to Business Business Law Office Administration Accounting and Finance Foundations BAS 120 Personal Finance CIT 105 Intro to Computers (SKYCTC Dual Credit) Multimedia & Graphic Design Ethical Leadership Intro to Management Business and Marketing Essentials Business Co-op Accounting and Finance Foundations Multimedia Publishing	Microsoft Office Specialist (MOS) Administrative Support EOP A*S*K Exam: Fundamental Business Concepts	Receptionist Data Entry Bill & Account Collector Insurance Adjuster Administrative Assistant
Business Management & Entrepreneurship	Prepares students to plan, organize, direct & control the functions & processes of a firm or organization	Digital Literacy Business and Marketing Essentials Intro to Management BAS160 Intro to Business (SKYCTC Dual Credit) CIT 105 Intro to Computers (SKYCTC Dual Credit) Advanced Accounting Ethical Leadership BAS 120 Personal Finance (SKYCTC Dual Credit) Business Co-op Principles of Marketing Management & Entrepreneurship Accounting Personal Finance Business Law	Business Management EOP A*S*K Exam: Fundamental Business Concepts	Money Mgr. Account Mgr. Real Estate Agent Insurance Agent Gen. Manager Sales



BUSINESS

PATHWAYS

Career Pathway	Description	Courses Offered	Transition Ready Measures	Careers
Computer Science	Prepares students to design and create apps, as well as troubleshoot the latest programming languages used in the industry.	Digital Literacy Introduction to Computer Science AP Computer Science A AP Computer Science Principles Co-op: Computer Science	Computer Programming EOP IC3 Certification MTA: Intro to Programming	Software Engineer Web Developer Hardware Engineer Computer Programmer System Analyst Network Architect
E - Commerce	Focuses on the creation, execution, & evaluation of commercial messages intended to promote & sell products	Digital Literacy Business and Marketing Essentials Multimedia & Graphic Design MKT 220 Basic Marketing (WKU Dual Credit) CIT 105 Intro to Computers BAS 160 Intro to Business Ethical Leadership BAS 120 Personal Finance (SKYCTC Dual Credit) Business or Marketing Co-op Principles of Marketing Web Page Design CIT 105 Intro to Computers Personal Finance Multimedia Publishing Ethical Leadership	Marketing EOP A*S*K Exam: Fundamental Marketing Concepts Microsoft Office Specialist**HD Adobe Certified Associate	E-Business Consultant Graphic Designer Sales Representative Web Developer Webmaster Website Designer
Financial Services	Prepares individuals to perform a wide variety of customer services in banks, insurance agencies, savings, and loan companies. This Pathway also runs the school bank.	Personal Finance Accounting Financial Services I Financial Services II Principles of Marketing BAS 160 Intro to Business Business & Marketing Essentials	Financial Services EOP A*S*K Exam: Concepts of FinanceHD	Bank Teller Financial Analyst Loan Officer Insurance Agent Financial Advisor Investment Banker
Marketing	Prepares students to undertake & manage the process of developing consumer audiences & moving products from producers to consumers.	Principles of Marketing Advanced Marketing Retail Marketing Accounting Personal Finance Management & Entrepreneurship BAS 160 Intro to Business Business and Marketing Essentials Marketing Principles Marketing Applications Retail Marketing Sports and Event Marketing	Marketing EOP A*S*K Exam: Fundamental Marketing Concepts	Fashion Retailer Marketing Specialist Retail Salesperson Sports Marketer



BUSINESS

CAREER AND TECHNICAL STUDENT ORGANIZATIONS



FBLA - Future Business Leaders of America

Inspires and prepares students to become community-minded business leaders in a global society through relevant career preparation and leadership experiences



AGRICULTURE

PATHWAYS

Career Pathway	Description	Courses Offered	Transition Ready Measures	Careers
Animal Science Systems	Prepares students to focus on the principles that underlie breeding & care of agricultural animals & production, processing & distribution of animal products.	Agriscience Advanced Animal Science Veterinary Science Agriculture Co-Op Agricultural Education Internship Agriculture Employability Skills Principles of Agriculture Equine Science Food Science	Animal Science EOP Dual Credit Attainment	Veterinarian Animal Scientist Marine Biologist Zoologist Animal Breeder
Horticulture and Plant Science Systems	Focus on the principles that underlie the breeding, cultivation, & production of ag. plants and production, processing, & distribution of plant products.	Agriscience Plant/Land Science Landscaping & Turf Management Greenhouse Technology Agriculture Co-Op Agriculture Employability Skills Principles of Agriculture Greenhouse Technology Floriculture & Floral Design Intro to Greenhouse Landscaping & Turf Management	Horticulture EOP Dual Credit Attainment	Plant Agronomist School Teacher Landscape Designer Plant Pathologist Business Manager Turfgrass Management Horticulturist
Agribusiness Systems	Agribusiness systems contribute to the production, processing, marketing, distribution, financing and development of agricultural commodities and resources.	Agriscience Agriculture Communications Agriculture Sales & Marketing Greenhouse Technology Agribusiness & Farm Management/Landscape Design Agriculture Co-Op Agricultural Education Internship Agriculture Employability Skills Floriculture and Floral Design Agriculture Communications	Agribusiness Systems EOP	Agriculture Engineer Agronomy Business Manager Public Relations Agriculture Sales Marketing Manager
Agricultural Power, Structural, Technical Systems	The Agricultural Power, Structural, Technical Systems pathway is built on the application of concepts in engineering, hydraulics, pneumatics, electronics, power, structures, and controls to the field of agriculture.	Agriscience Ag Const. Skills (Weld Cert) Small Power and Equipment Agriculture Employability Skills Principles of Agriculture Ag Structures & Design Ag Construction Skills Agriculture Power and Machinery Operation Co-op: Agriculture Small Power Equipment Emerging Ag Technology	Ag. Mechanics Welding Certification EOP Assessment: Agricultural Power, Structural, Technical Systems Industry Certification: (High Demand) AWS Sense Level 1 Welding Certification ICEV - Small Engine Technology	Welder Mechanic Machinist Engineer Electrician Agricultural Engineer Welder Mechanical Engineer Diesel Technician



AGRICULTURE

CAREER AND TECHNICAL STUDENT ORGANIZATIONS



FFA - Future Farmers of America

A student-led organization whose mission is to make positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education.



FAMILY & CONSUMER SCIENCE

PATHWAYS

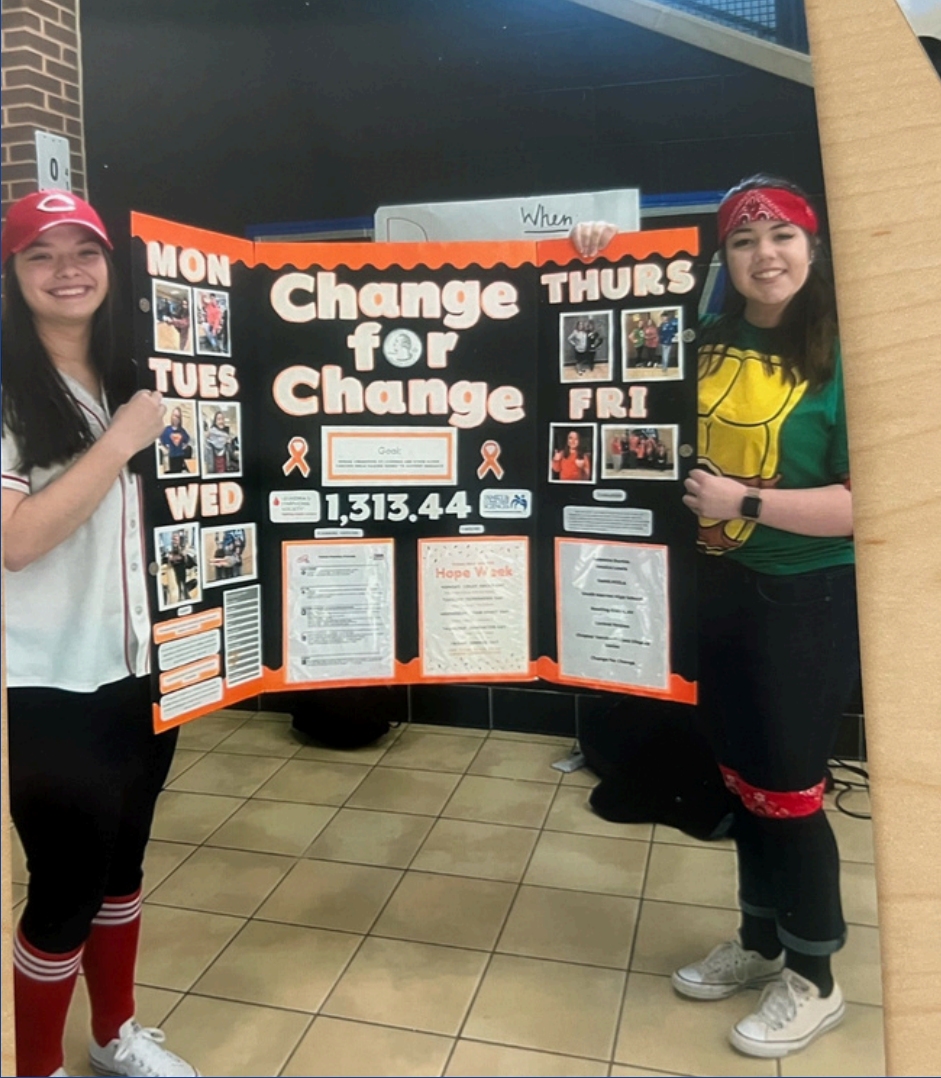
Career Pathway	Description	Courses Offered	Transition Ready Measures	Careers
Hospitality, Travel and Tourism	Prepares individuals to provide services in the hospitality and leisure fields including operations, sales, marketing, basic office management, retail sports, recreation equipment and food and beverage services.	Principles of Hospitality MKT 220 Basic Marketing (WKU Dual Credit) Business Dept. Specialized Services in Hospitality Advanced Foods & Nutrition FACS Essentials Foods & Nutrition	Hospitality, Travel, Tourism & Recreation EOP ASK – Fundamentals of Marketing ServSafe Manager Exam CHTMP Exam & Certification	Restaurant/Hotel Manager Event Planner Travel Agent Caterer Concierge
Consumer and Family Services	Prepares students to develop skills associated with early career employment opportunities & rigorous education programs.	FCS Essentials Money Skills Relationships Foods & Nutrition Middle to Late Lifespan Development Parenting	Consumer & Family Mgmt. EOP** AAFCS Pre-PAC Family & Community Services ServSafe Manager Exam CHTMP Exam & Certification	Marriage & Family Therapist Family & Consumer Scientist Abuse/Crisis Counselor Gerontologist
Early Childhood Education	Prepares students for success in early childhood education so that individuals can teach students ranging in age from infancy through grade 3.	FCS Essentials Early Lifespan Development Child Dev Services I Child Dev Services II Relationships Dual Credit: EDU 250 Principles of Teaching Co-op: Early Childhood Education	Commonwealth Childcare Credential Early Childhood Education EOP KY Early Care and Education Orientation Pediatric Abusive Head Trauma PrePac Exam Early Childhood Education	Early Childhood Educator Psychologist Nanny Pediatrician Midwife Teacher



FAMILY & CONSUMER SCIENCE

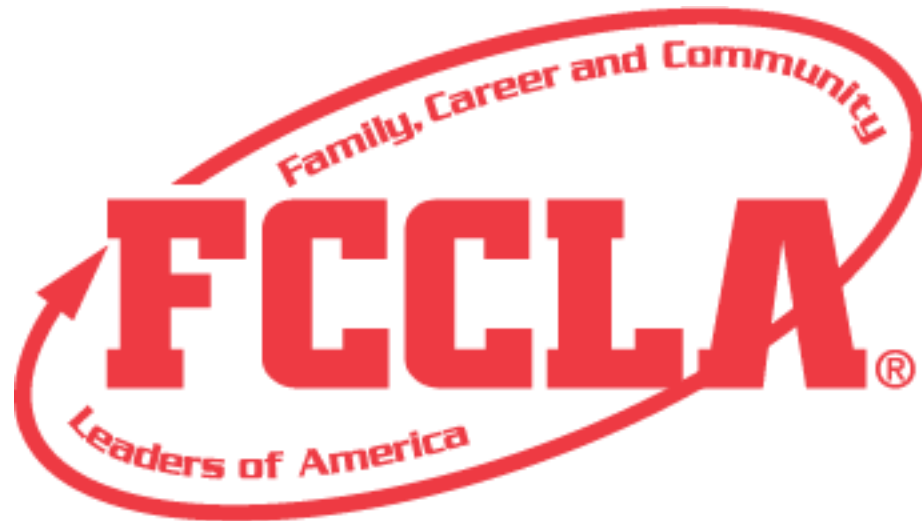
PATHWAYS

Career Pathway	Description	Courses Offered	Transition Ready Measures	Careers
Fashion and Interior Design	Prepares students for success in the fashion industry as well as careers in the residential housing and furnishing industry	FCS Essentials Fashion & Interior Design I Fashion & Interior Design II Fashion & Interior Design III Money Skills	Fashion & Interior Design EOP AAFCS Pre-PAC Assessment: Fashion	Fashion Designer Interior Designer Clothing Manufacturer Furniture Designer
Culinary Arts	Prepares students for success in the culinary industry and promotes continuing education at the post-secondary level.	FACS Essentials Foods & Nutrition Culinary 1 Culinary 2 Co-op: Culinary & Food Science	EOP Assessment: Culinary Arts Industry Certification: PrePac Exam Culinary Arts ServSafe: Food Manager's Credential	Chef/Cook Baker Entrepreneur Food Inspector Butcher
Fundamentals of Teaching	Prepares students with the skills necessary for success at all levels of education so that individuals can teach students ranging from K -12 grades, depending on the school system or state regulations. This pathway is targeted for individuals preparing for a career related to education and teaching.	FACS Essentials Early Lifespan Development Mid to Late Lifespan Principles of Teaching Classroom Assessment Intro to Child Services Development Spartan Academy I Spartan Academy II Relationships	Industry Certifications: PrePac Exam Education Fundamentals	Teacher – all levels Teacher Assistant Principal School Counselor



FAMILY AND CONSUMER SCIENCE

CAREER AND TECHNICAL STUDENT ORGANIZATIONS



FCCLA - Family, Career and Community Leaders of America

Offers members the opportunity to expand their leadership potential and develop skills for life. It is the only CTSO with family as its central focus and is integrated into Family and Consumer Sciences education.



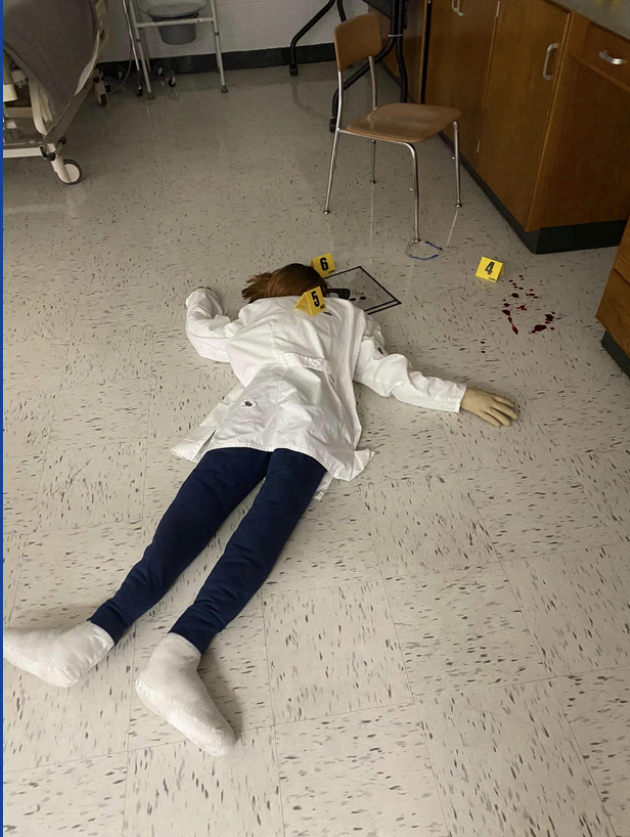
Educators Rising

Provides opportunities for high school students to explore teaching and develop the necessary skills and knowledge to take their first steps on the path to accomplish teaching.

BIO - MEDICAL SCIENCE

PATHWAY

Career Pathway	Description	Courses Offered	Transition Ready Measures	Careers
Pre- Nursing / Medical	The high school biomedical pathway is an educational track designed for students interested in exploring the fields of healthcare, medicine, and life sciences. Students in this pathway often engage in hands-on lab work, participate in dissections, and learn about medical technologies and practices. They may also have opportunities for internships or shadowing experiences in local healthcare settings, allowing them to gain real-world insights into the biomedical field.	Principles of Biomedical Science Human Body Systems Medical Interventions Biomedical Innovations Internship: Biomedical Science	NOCTI - Biotechnology	Nurse Certified Nursing Assistant Medical Assistant



JROTC

PATHWAYS

Career Pathway	Description	Courses Offered	Transition Ready Measures	Careers
Air Force Junior Reserve Officer Training Corps	All Air Force Junior Reserve Officer Training Corps courses blend Aerospace Science, Leadership Education and Physical Training into a single class. Learn about personal responsibility, leadership, health and welfare, financial planning, teamwork, orienteering, navigation, drill and ceremonies, marksmanship, culture, wellness, time management, organization, and civics.	AF JROTC 100 AF JROTC 200 AF JROTC 300 AF JROTC 400 Staff Leadership role available for AF JROTC 400	AFJROTC Certificate of Training	Air Force Officer Space Force Officer Air Force Aviator Drone Pilot Air Battle Manager Air Field Operations United States Air Force
Naval Junior Reserve Officers' Training Corps	Students are engaged in a curriculum that emphasizes leadership, wellness, fitness and civics to prepare them for postsecondary success including a pathway for military enlistment, as well as developing lifelong leadership and decision making skills.	JROTC I JROTC II JROTC III JROTC IV Advanced Leadership Training for Level II-IV Battalion Command and Staff Leadership Skills for Levels III and IV	JROTC Certificate of Training	Naval Aviator Naval Flight Officer Surface Warfare Officer Infantry Officer United States Navy



BIO - MEDICAL

CAREER AND TECHNICAL STUDENT ORGANIZATIONS



HOSA - Future Health Professionals

Kentucky HOSA is a student-led organization. HOSA's mission is to empower HOSA-Future Health Professionals to become leaders in the global health community, through education, collaboration, and experience.



WARREN COUNTY AREA TECHNOLOGY CENTER

Career Pathway	Description	Courses Offered	Transition Ready Measures	Careers
Automotive Engineering	Prepares students to apply technical knowledge & skills to repair, service, & maintain all types of automobiles	<p>YEAR 1</p> <p>Auto. Maintenance & Light Repair A Auto. Maintenance & Light Repair B Auto. Maintenance & Light Repair C Auto. Maintenance & Light Repair D</p> <p>YEAR 2</p> <p>Special Problems I Special Problems II Special Problems III Special Problems IV</p>	<p>ASE Student Certification: Maintenance and Light Repair Transportation EOP</p> <p>OSHA 10</p>	<p>Auto Technician Service Advisor Dispatcher Auto Sales Rep</p>



Career Pathway	Description	Courses Offered	Transition Ready Measures	Careers
Welding	Prepares students to assist lead welders in the fabrication of steel and metal structures	<p>YEAR 1</p> <p>Oxy-Fuel Systems Shielded Metal Arc Weld Blueprint Reading for Welding Gas Metal Arc Weld</p> <p>YEAR 2</p> <p>Gas Tungsten Arc Welding SMAW Groove Welds Gas Metal Arc Weld Groove Lab GTAW Groove Lab</p>	<p>AWS Qualification CertificationManufacturing EOP</p> <p>OSHA 10</p>	<p>Welder Ironworker Inspector Welding Engineer</p>



Career Pathway	Description	Courses Offered	Transition Ready Measures	Careers
Carpentry	Prepares students to apply technical knowledge & skills to layout, cut, fabricate, erect, install, & repair wooden structures & fixtures, using hand & power tools.	<p>YEAR 1</p> <p>Intro. To Construction Floor/Wall Framing Ceiling/Roof Framing Exterior & Interior Finish</p> <p>YEAR 2</p> <p>Construction Forms Site Layout & Foundations Cabinet Construction & Installation Internship</p>	<p>NCCER: Carpentry Construction EOP</p> <p>OSHA 10</p>	<p>Carpenter Construction Laborer Construction Manager Drywall Installer Flooring Installer</p>



Career Pathway	Description	Courses Offered	Transition Ready Measures	Careers
Engineering	This pathway provides Engineering courses to help students apply technical skills.CMM Engineers use blueprints and three-dimensional computer designs to create programs that produce precisely cut products.	<p>3D Printing Machine Tool A Engineering I Manufacturing Engineering I</p>	<p>Autodesk inventor</p> <p>REC: Foundation pre-engineering</p> <p>OSHA 10</p>	<p>Engineering Engineering Technician Manufacturing</p>





WARREN COUNTY AREA TECHNOLOGY CENTER

Career Pathway	Description	Courses Offered	Transition Ready Measures	Careers
Heavy Equipment	Prepares students for construction jobs, provides the necessary skills for any project that requires moving and transporting heavy materials or that demands any earthmoving	Intro to Construction Technology Heavy Highway Construction Equipment Heavy Equipment Operation Special Topics-Heavy Equipment	NCCER: Heavy Equipment OSHA 10	Heavy Equipment Operator Construction Manager General Contractor



Career Pathway	Description	Courses Offered	Transition Ready Measures	Careers
Industrial Maintenance	Prepares students to apply electrical theory & related knowledge to circuitry in industrial or commercial plants & laboratories	Industrial Maintenance Electrical Principles Industrial Maintenance Motor Controls Industrial Maintenance PLCs Robotics/Automation for Maintenance	Manufacturing EOP OSHA 10	Electrical Technician Electrical Supervisor Electrical Engineer



Career Pathway	Description	Courses Offered	Transition Ready Measures	Careers
Pre - Nursing	Prepares students for admission to a professional program in Nursing	Principles of Health Medical Terminology Emergency Procedures Medicaid Nurse Aide Body Structures and Functions Medicaid Nurse Aide Body Structures and Functions	State Reg. Nurse Assistant (SRNA) Allied Health EOP OSHA 10	Nurse Nurse Practitioner Nursing Asst. Physician's Assistant Doctor



Career Pathway	Description	Courses Offered	Transition Ready Measures	Careers
Pharmacy Tech Phlebotomy Tech	Prepares students for a career as pharmacy tech or phlebotomy tech after graduation	Principles of Health Medical Terminology Emergency Procedures Pharmacy Technician Body Structures and Functions Phelbotomy Technician Dual Credit: Medical Terminology	Phlebotomy or Pharmacy Technician OSHA 10	Pharmacy Technician Phlebotomist

