

### MEDICAL ASSISTING

- Learn how human body systems relate to health maintenance practices
- Gain skills in vital signs, medical charting, records, and basic medical assessment
- Noted as a much faster than average career growth field by the US Bureau of Labor Statistics

#### Pathway Components

Dual Credit/ Team Based Challenges/CPR Certification/Career Exploration Activities

### NAIL TECHNOLOGY

- Learn both the theory and practice needed to become a state licensed Nail Technician
- Required subjects include: history of nail care, personal hygiene and public health; professional ethics; sterilization and disinfection; bacteriology; disorders of the nails; OSHA standards as relative to MSDS on chemicals, chemicals and their use; and technical applications of chemicals
- Predicted 33% growth between 2020-30 by the U.S. Bureau of Labor Statistics

#### Pathway Components

State Licensure/60 hours of Worked Based Learning Experience/Career Exploration Activities

### VETERINARY ASSISTANT I

- Ready the youth today to enter the workforce of tomorrow focusing on Agricultural and Veterinary fields
- Communicate effectively with pet owners and community members to provide proper care and treatment toward animals
- Deemed by the US Bureau of Labor Statistics to be growing faster than average at 14%.

#### Pathway Components

Dual Credit/ Team Based Challenges/Career Exploration Activities

### VETERINARY ASSISTANT II

- Learn to speak and understand the medical terminology that veterinary professionals use to communicate within the workplace
- Apply for and complete clinical experience outside of the school environment working on unfamiliar animals
- Deemed by the US Bureau of Labor Statistics to be growing faster than average at 14%

#### Pathway Components

Dual Credit/ Team Based Challenges/60 hours of clinical Experience/Career Exploration Activities

### WELDING I

- Learn about the career pathways available to welders along with valuable OSHA safety training, soft-skills development, continuing education, and the tools & technology used in the welding trades
- Get hands-on experience with basic arc welding processes, metal cutting and develop the skills needed to begin a career in welding
- By 2023, our nation's workforce will need over 375,000 welders to satisfy the demands of several industries

#### Pathway Components

Dual Credit/ OSHA Certification/Team Based Challenges/Career Exploration Activities

### WELDING II

- Learn about the specific skills needed to gain entry-level employment, trade apprenticeships, military careers and seek out opportunities in the diverse and in-demand positions in the welding industries
- Hone the hands-on welding skills needed to pursue Welder qualifications through the American Welding Society
- By 2023, our nation's workforce will need over 375,000 welders to satisfy demands of several industries. The US Bureau of Labor Statistics estimates the field will grow as fast as 8% annually

#### Pathway Components

Dual Credit/ OSHA Certification/Team Based Challenges/Career Exploration Activities

# Wilco

Area Career Center

500 Wilco Blvd.

Romeoville, IL 60446

Phone: 815.838-6941 | Fax: 815.838-1163

[www.wilco.k12.il.us](http://www.wilco.k12.il.us)

#### STUDENT NONDISCRIMINATION POLICY

the Board of Control of the Wilco Area is committed to providing equal educational opportunities for all students. The District will work to insure both the physical and psychological safety and well-being of all students. No employee, while representing the Center, shall engage in any act of discrimination against any student because of race, color, creed, sex, sexual orientation, gender identity, ethnic/national origin, religion, marital status, socio-economic status or disability.

For more Career Pathway Endorsements



For more Information on Dual Credit & Program Credentials



# Wilco

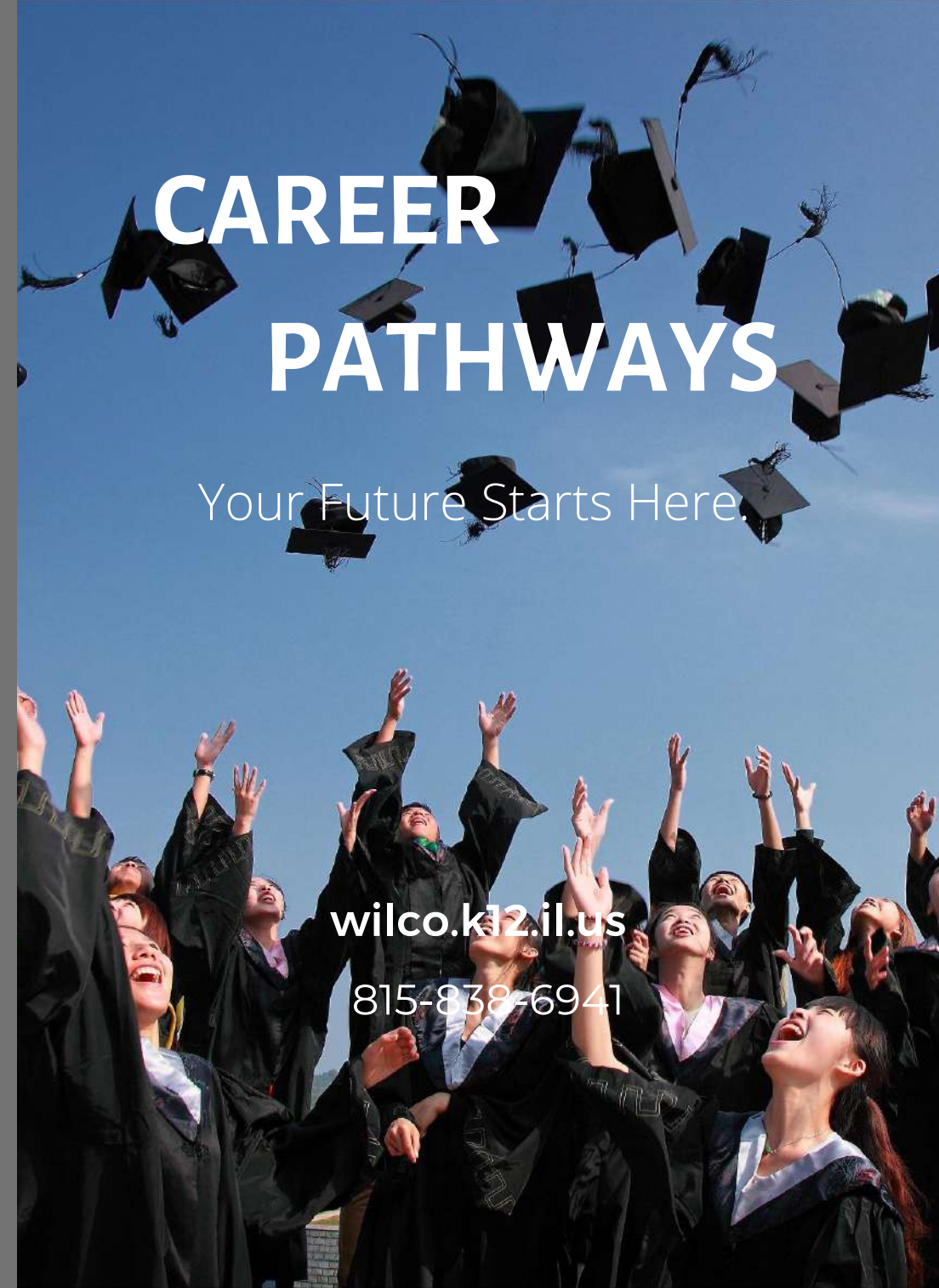
Area Career Center

# CAREER PATHWAYS

Your Future Starts Here

[wilco.k12.il.us](http://wilco.k12.il.us)

815-838-6941



## ACE

- Learn about the built environment and the career pathways in the field of architecture, engineering or construction management
- Explore each discipline and apply your knowledge to determine your interest for further study
- Predicted growth is slower than average for Architects, average for Engineers and 18% faster for Construction Management according to the US Bureau of Labor Statistics

**Pathway Components**  
**Dual Enrollment at JJC**

## AIM

- Learn the core education and technical hands-on skills needed to pursue careers in the advanced manufacturing sector
- Participate in four separate college courses building skills and awareness in industrial maintenance, industrial fluid power, basic wiring, circuit design and industrial controls
- Predicted 19% growth between 2020-30 by the US Bureau of Labor Statistics

**Pathway Components**  
**OSHA Certification/Dual Enrollment at JJC**

## AUTO SERVICE I

- Learn shop safety, vehicle maintenance procedures, and NATEF curriculum
- Perform basic functions in engine repair, automatic transmission and transaxle, manual drivetrain and axles, suspension and steering systems, and brakes
- Marked by the US Bureau and Labor Statistics has a field that will remain stable between 2020-2030

**Pathway Components**  
**OSHA Certification/Career Exploration Activities/60 hours of Work Based Learning**

## AUTO SERVICE II

- Increase knowledge of automotive technology, exploring more advanced tasks in engine repair, automatic transmission, suspension and steering systems, and brakes along with electrical, and HVAC systems
- Participate in school based shop repairs that stimulate an automotive repair environment
- Marked by the US Bureau and Labor Statistics has a field that will remain stable between 2020-2030

**Pathway Components**  
**Dual Credit/OSHA Certification/Career Exploration Activities**

## AVIATION MECHANICS

- A highly-technical program, preparing you for a career as an Aviation Maintenance Technician who works on cutting-edge aircraft systems
- Partners with Lewis University to provide students with a College experience while still in high school
- More than 600,000 new maintenance technicians will be required by 2031.-Aviation International News

**Pathway Components**  
**Dual Enrollment at Lewis University**

## BARBERING

- Learn both the theory and practice of barber science and art
- Required subjects include: anatomy; physiology; skin diseases; hygiene and sanitation; barber history; barber law; hair cutting and styling; shaving, shampooing, and permanent waving; massaging; bleaching, tinting, and coloring; and barber implements as they relate to the Barber
- Predicted much higher growth than average by the U.S. Bureau of Labor Statistics

**Pathway Components**  
**State Licensure/60 hours of Work Based Learning Experience/Career Exploration Activities**

## CONSTRUCTION

- Plan, manage, maintain and build a wide range of projects from concept to completion
- Construct projects in alignment with the *Carpenters International Training Fund*
- Expected to have a 2% growth which is slower than average by the US Bureau of Labor Statistics

**Pathway Components**  
**60 Hours of Work Based Learning Experience/Career Exploration Activities**

## BUSINESS LOGISTICS

- Identify roles, attributes of operations, technology, economic efficiencies of major modes of transportation and globalization in relationship to the supply chain system
- Assess threats, risk management and operations processes utilizing decision analytics Evaluate characteristics of customer-focused sustainable supply chain strategy
- Determined to have a 30% growth by the US Bureau of Labor Statistics from 2020-2030

**Pathway Components**  
**Dual Credit/Career Exploration Activities/Career Exploration Activities**

## BUSINESS MANAGEMENT

- Analyze and communicate effective methods in roles, professionally and personally, in the understanding of human relations in both group and individual overall message delivery
- Summarize operations management contributions in strategic objective and identify groundwork for quality, customer service and value creation
- Deemed to be a much faster than average growth field, 17%, by the US Bureau of Labor Statistics

**Pathway Components**  
**Dual Credit/Customer Service Credential/Career Exploration Activities**

## CERTIFIED NURSING ASSISTANT

- Experience the fulfillment of providing safe, quality patient care in a variety of healthcare environments
- Prepare to take the state Nursing Assistant exam through theory and clinical practice
- Determined to be a field that is growing as fast as average (8%) by the U.S. Bureau of Labor Statistics

**Pathway Components**  
**Team Based Challenges/Dual Credit/60 hours of Work Based Learning experience/State Licensure/Career Exploration Activities**

## CISCO

- Engage in a diverse education in computers and networking with education in the following areas: Cloud, Security, Wireless, Cyber Operations, Collaboration voice and video, Routing & Switching and advanced protocols
- Attend courses at Joliet Junior College North Campus
- The Bureau of Labor Statistics indicates that this field will be one of the fastest growing occupations during the coming decade

**Pathway Components**  
**Dual Enrollment at JJC**

## COMPUTER TECHNOLOGY

- Networking overview, sharing computer resources, using e-mail, using file servers, protocols, different networking software, how to build and manage a corporate network, knowledge of area networks such as wide, local, metropolitan, personal and campus
- Heavy emphasis on diagnosing and maintaining the PC. Work the BIOS/CMOS as well as what it takes to build a PC. Preparation for A+ certification and MOS exams
- Assessed to be growing as fast as average by the US Bureau of Labor Statistics

**Pathway Components**  
**Dual Credit**

## COSMETOLOGY

- Learn both the theory and practice of Cosmetology
- Required subjects include: tools and their use, shampoo, understanding chemicals and use, types of hair, sanitation, hygiene, skin diseases and conditions, anatomy and physiology, electricity, ethics, nail technology and esthetics
- Predicted much higher growth than average by the US Bureau of Labor Statistics

**Pathway Components**  
**State Licensure/ 60 hours of Work Based Learning experience/Career Exploration Activities**

## CRIMINAL and SOCIAL JUSTICE

- Analysis of the criminal justice system with emphasis on the system's primary components and the relationship of these components to their administration in the United States
- Study of the components, purposes and functions of criminal law
- Assessed to be growing as fast as average, 7% growth

**Pathway Components**  
**Dual Credit/Team Based Challenges/Career Exploration Activities**

## CULINARY ARTS

- Gain a board overview of the field of culinary arts from cooking methods, pastry and baking techniques, sanitation, management, product ID, purchasing, nutrition and cost controls
- Become an active participant in Wilco's Culinary Deli, preparing food and serving students at the Center
- Noted to be a much faster than average growth outlook from 2020-2030

**Pathway Components**  
**Dual Credit/Team Based Challenges/60 hours of Work Based Learning/Serv Safe Certification/Career Exploration Activities**

## EARLY CHILDHOOD EDUCATION I & II

- Nurture the cognitive, social/emotional, physical, and language development of children
- Explore the teaching process with our high school students, using manipulatives, stories, physical activities, math, science/social studies, and toys to support learning
- Demonstrate and apply child growth and development strategies through interactive experiences in preschool environments
- Determined to be an area that will experience faster than average growth, 18%.

**Pathway Components**  
**Dual Credit/Team Based Challenges/60 hours of Work Based Learning/Gateway Credential/Career Exploration Activities**

## EMERGENCY MEDICAL SERVICES

- Demonstrate knowledge of the body's anatomy & physiology and assess patients for illness and/or injury while in class and during ride time at area departments
- Formulate communication methods with patients and other professionals and prepare oral and written reports
- Assessed by the US Bureau of Labor Statistics to have faster than average growth, 11%

**Pathway Components**  
**Dual Credit/Team Based Challenges/60 hours of clinical experience/EMT-B Licensure/Career Exploration Activities**

## FIRE SCIENCE

- Engage in activities such as self-contained breathing apparatus (SCBA), extinguisher training, ropes and knots, and various rescue techniques
- Learn about public and private regulations affecting the fire science and basic chemistry of fire covering strategy and tactics of extinguishment
- Determined to be an average growth field (8%) by the U.S. Bureau of Labor Statistics.

**Pathway Components**  
**Dual Credit/Team Based Challenges/First Responder Credential/Career Exploration Activities**

## HEAVY EQUIPMENT TECHNOLOGY

- Learn to maintain and repair diesel engines and related systems
- Attend Local 150 Operators in Wilmington and study units of measurement, electron theory, wiring diagrams, schematics and symbols, basic principles of hydraulics, basic engine components, intake and exhaust systems, introduction of welding and powertrain functions
- Determined by the U.S. Bureau of Labor Statistics to have average growth (8%)

**Pathway Components**  
**CPR and Snap On Certifications/Career Exploration Activities**

## INTRO TO HEALTH PROFESSIONS

- Learn to speak and understand the use for medical terminology which is the language that healthcare professionals speak
- Develop awareness for the wide variety of healthcare professions which will assist in determining the health career path that is right for your future
- Noted as a much faster than average career growth field by the U.S. Bureau of Labor Statistics

**Pathway Components**  
**Dual Credit/CPR Certification/Team Based Challenges/Career Exploration Activities**

## LAW ENFORCEMENT AND PUBLIC SAFETY

- Learn the role of law enforcement in enforcing the law, investigating crimes and making arrests
- Engage in hands on activities which introduce students to the physical and mental demands of law enforcement
- Assessed to be growing as fast as average, 7% growth

**Pathway Components**  
**Dual Credit/ Team Based Challenges/Career Exploration Activities**