



The Wilco Area Career Center ensures that all individuals have equal opportunities and that all students receive equal educational opportunities, regardless of race, color, religion, creed, national origin, gender, age, ancestry, physical or mental handicap or disability, or other characteristics protected by law.

At Wilco, we understand that each student has unique needs and commitments. That's why our programs are designed to offer career-based courses with a flexible scheduling option. Students can choose from three sessions, with courses conveniently scheduled at their home school. Adaptability ensures that students can find a schedule that suits their needs, making it easier to balance education with other responsibilities. Please note that some programs or levels may not be available each session.

Early Bird 6:25 a.m. - 7:45 a.m.
Session 1 7:40 a.m. - 9:50 a.m.
Session 2 9:40 a.m. - 11:50 a.m.
Session 3 12:26 p.m. - 2:10 p.m.

ACE: ARCHITECTURE, CONSTRUCTION MANAGEMENT, AND ENGINEERING

The ACE program is designed to provide students with a comprehensive understanding of the skills and knowledge necessary for a successful career in the built environment. This includes architecture, building engineering, construction management, and other related fields. We understand that this can be a challenging but rewarding journey, and we are here to support you every step of the way. Our relevant and challenging college courses provide a solid foundation in the fundamental coursework of the building industry. Each ACE program class covers the terminology, processes, skills, and industry-specific content to give the student a full snapshot of the fundamentals of the building and construction industry. The ACE program is ideal for students interested in the built environment and considering career pathways in the construction field. With 12 hours of college credit to be earned, the student will receive a Certificate of Completion in Basic Construction, a college credential from JJC. These credits can be used towards further study in related programs at JJC or as a foundation for further study elsewhere.

Students will need their own transportation to and from class at Joliet Junior College (JJC) Main Campus, M-Th 12:30p 1:45/2:15p and schedule to follow JJC calendar including holidays, spring break, etc. A JJC registration application for the program is required.

Dual credit: Joliet Junior College ACH100, CM100, EGR105, AEC106, AEC229, OPS111, AND SET100 (12 credit hours).

Certifications may include: OSHA 10-hour Construction Safety (1 credit hour)

Guidance Note: It is recommended that students have earned a 'C' or higher in all mathematics courses and have achieved senior status.

AET: APPLIED ENGINEERING TECHNOLOGY

Students in the AET program, located at **Joliet Junior College Main Campus**, will have the opportunity to focus on applying and implementing design theory. The students will participate in classroom and hands-on shop experiences during the first semester. Hands-on experience in the shop emphasizes exercises and processes that embody the basic process and operations of using hand tools, layout tools, and machine tools such as vertical saws, drill presses, engine lathes, vertical milling machines, and surface grinders. In the classroom, emphasis is placed on theory-related information that is essential to set up and operate machine tools and perform basic processes and operations in the machine shop.

During the second semester, students will acquire knowledge and skills in numerical control and computer programming procedures. The course will also include "hands-on" experience programming, stirring, and operating an NC milling and drilling machine and a CNC milling and drilling machine. Students will become familiar with Windows NT and the computer program "Notepad." In addition, students will work to develop a high degree of skill in visualizing and application, interpretation of machining, and welding symbols and specifications. This course also covers the reading of diagrams.

Students will need their own transportation to and from class at Joliet Junior College Main Campus following Wilco's 3rd block daily schedule. A JJC registration application for the program is required.

Dual credit: Joliet Junior College MFG101, MFG 111, and MFG 115. (11 credit hours)

AIM: ADVANCED INTEGRATED MAINTENANCE

This senior-only program is offered in partnership with **Joliet Junior College Main Campus** on Houbolt Rd, Joliet, IL. Students will participate in four separate college courses, building skills and awareness in heating, ventilation, and air conditioning, industrial maintenance, basic wiring/circuit design, and industrial fluid power. Students will learn about OSHA safety programs, maintenance physics, hand and power tools, precision measuring, technical diagrams and assembly prints, fastening devices, lubrication, basic pump operation, and basic pipefitting procedures. Students will study the principles of hydraulics and pneumatics as applied to the basic theory of fluids and typical industrial circuits. Students will build fluid power circuits that apply to industrial applications. Next, the fundamentals of electrical and electronic circuits, including the calculation and measurement of voltage, current, resistance, and power, will be instructed, emphasizing safe meter usage, print reading, and exposure to various electrical technologies currently used in the industry. Topics include introductory residential wiring, operation of AC motors, industrial solid-state devices, variable frequency drives, industrial controls, and single-phase/three-phase power distribution, along with skills necessary to safely use electronic test equipment on low- and high-voltage components; the course will introduce students to the installation, service, troubleshooting, and repairs on various types of electrical controls, circuits, and components.

Students will need their own transportation to and from class. A JJC registration application for the program is required.

Dual credit: Joliet Junior College IMT101, IMT121, EEAS111, and EEAS101 (14 credit hours).

Guidance Notes: Solid math skills are needed, as well as a record of good attendance and behavior.

AUTO SERVICE (MECHANICS) I

The two-year auto service program, taught by ASE-certified instructors, is designed to train students for entry-level automotive technician positions and/or preparation for post-secondary programs. Students' knowledge of measurement, estimation, and algebra, along with a technology course would be beneficial. First-year students will develop vehicle maintenance and repair skills, including brakes, steering, and suspension, and will also learn the basics of electrical and engine performance (sensors). The curriculum follows the National Automotive Technicians Education Foundation (NATEF) format. This program will prepare students for the Automotive Service Excellence (ASE) certification exams. Students will be required to purchase a Wilco work shirt, safety glasses, and nitrile gloves. Ford ACE program is offered as part of the program.

Estimated cost: \$50.00 and \$36(\$12/JJC credit hour).

Dual credit: Joliet Junior College AS101(3 credit hours)

Certifications may include: OSHA 10-hour General Industry

Exceptions: Lockport Students cannot register for this program.

Guidance Notes: 70% of the time in the lab, assignment, and test for each area/chapter.

AUTO SERVICE (MECHANICS) II

Second-year students will continue their electrical and engine performance training after successfully completing Auto Service 1. Students will be completing labs involving diagnosing electrical circuits, sensors, drivability problems, check engine lights and emission-related problems. Upon completing this two-year course, students may earn college credit towards Nashville- Auto Diesel or Joliet Junior College. Students are encouraged to continue their training through an appropriate technical school, college, or manufacturer's program, or university. The curriculum follows the National Automotive Technicians Education Foundation (NATEF) format. This program will prepare students for the Automotive Service Excellence (ASE) certification. Students are expected to have their safety glasses, work shirt, and nitrile gloves. Replacement for these items will be available at an additional fee. **Mercedes Benz Connect program is offered as part of the program.**

Students may need their own transportation to and from Wilco Area Career Center for the Early Bird session.

Dual credit may include: Joliet Junior College AS106(3 credit hours).

Estimated cost: \$50.00 Student fee and \$36.00-\$48.00(\$12/JJC credit hour).

Certifications may include: OSHA 10-hour General Industry

Exceptions: Lockport Students cannot register for this program.

Guidance Notes: 70% of time in lab, assignment and test for each area/chapter.

AVIATION MECHANICS

This senior-only course is offered in partnership with Lewis University. Fall Semester students will take AVMT-10600 Aviation Fundamentals (4 credit hours), where they will learn about aerodynamics, aircraft design, stability, control, Federal Aviation Administration regulations and publications, weight and balance, and ground handling of aircraft. The course has 90 contact hours (60 lecture/30 lab) and meets the requirements of 14 CFR 147.

Spring Semester students will take AVMT -11000 Aircraft Structures 1 (4 credit hours), which will focus on riveting and sheet metal repair, including aluminum, forming and layout, and oxyacetylene welding operations. Corrosion and corrosion control are also studied. The course has 180 contact hours (60 lecture/120 lab).

Students will need their own transportation to and from Lewis University. A Lewis registration application for the program is required.

Dual credit: Lewis University AVMT-10600 and AVMT-11000 (8 credit hours).

Estimated cost: \$96.00(\$12/JJC credit hour).

Guidance Notes: Students selected for enrollment in college-level courses must have appropriate academic qualifications, which include a minimum 3.0 GPA, Algebra I and II with a grade of C or higher; Physics with a grade of C or higher; and a high level of motivation, and adequate time to devote to studying a college-level course.

BARBERING

This is a 13-month program for seniors or a 2-year program for juniors in Barbering. The barbering program is offered at Champions Beauty and Barber University in Plainfield, IL, an approved and licensed school by the Illinois Department of Financial and Professional Regulations, Division of Professional Regulation, and has met all state and federal regulations. This course offers students curriculum in both theory and practice in the following areas as they relate to the practice of barber science and art: anatomy; physiology; skin diseases; hygiene and sanitation; barber history; barber law; hair cutting and styling; shaving, shampooing, and permanent waving; massaging; and barber implements as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act. Knowledge, skills, and activities completed in this course will also include advanced theoretical and practical skill development building to the 1500 hours of study needed in barbering and to prepare students for the barbering license exam.

Students must have their own transportation and pay additional tuition to Champions Beauty and Barber University; Certifications may include: Program completion allows students to sit for the Illinois Department of Public Health Barbering license.

Estimated cost: \$4,350 to \$3,1500, depending on 13 months or 2 years.

BUSINESS LOGISTICS

This dual credit course is offered in partnership with Joliet Junior College. Specifically, this program emphasizes the essentials of supply chain and operations management, the transportation and distribution process, cargo security compliance, import/export fundamentals, and the professional business and communication skills required to excel in the field. The course includes a sequence of four classes: Transportation and Physical Distribution (SCM100/3 credit hours), Introduction to Supply Chain Management (SCM110/ 3 credit hours), Introduction to Import/Export (SCM120/ 3 credit hours), and Transportation and Cargo Security (SCM140/ 2 credit hours) for a total of 11 credit hours. It is open to juniors or seniors; however, to complete the certificate, students must begin the program during their junior year but can take the Business Logistics or Business Management course in either order. Furthermore, students may concurrently enroll in a qualifying course at their home school to meet the additional business course requirements needed to complete a certificate.

Dual credit: Joliet Junior College SCM100, SCM110, SCM120, SCM140 (11 credit hours)

Certifications may include: Global Chain Management Certification

Estimated cost: \$132.00(\$12/JJC credit hour).

BUSINESS MANAGEMENT

Students who complete this course will earn the Customer Service Certificate of Completion from Joliet Junior College. The Customer Service Representative is a vital member of an organization as an initial point of contact for customers and a direct link to the sales force. Customer Service Representatives provide information and specialized advice relating to products and services offered; they anticipate customer needs, process orders and returns, and resolve complaints. The course includes a sequence of four classes: Principles of Business Communications (BUS111), Customer Service (BUS110), Human Relations (MGMT 102), and Operations Management (SCM 130). This certificate provides a solid foundation in business communication, human relations, and principles of excellence in customer service. Students graduating with this certificate are prepared to enter the customer service field in entry-level positions.

Dual credit: Joliet Junior College BUS111, BUS110, MGMT 102, and SCM 130 (12 credit hours).

Certifications may include: Customer Service Certificate of Completion

Estimated cost: \$144.00(\$12/JJC credit hour).

Guidance notes: Prerequisite(s)- May require a JJC Placement test ENG 101, SAT EBRW 480, ACT 19, or ACCUPLACER 246-300.

CERTIFIED NURSING ASSISTANT

The Certified Nursing Assistant program is a **junior/senior** program structured to prepare the student for employment as a Certified Nurse Assistant. The curriculum includes all standards and procedures contained in the Illinois Department of Public Health Certified Nurse Aide Instruction Model. The State Nurse Aide Examination can be taken through this course, with the completion of 40 hours of on-site clinical experience at a local nursing facility, and included in the class structure if the student has a social security number. Students must have transportation to the clinical site, a physical, and TB test before September 15th. Before beginning the clinical experience, students must undergo a Health Care Worker criminal background check. Students must maintain an 80% throughout the semester to remain eligible for Joliet Junior College credit and the Illinois Department of Public Health Certified Nurse Aide Exam. Many medical-related college programs require clinical hours or, specifically, CNA certification before being admitted to the program. Upon completion of this course, students may choose to continue their education in preparation for any of a number of careers in the healthcare field, i.e., Registered Nurse, Physical Therapist, Respiratory Therapist, Ultrasound Technician, etc. Students are required to wear appropriate clothing at the clinical site.

Dual Credit: Joliet Junior College credit for NA101 (6 credit hours) and College of DuPage SURGT1000 (3 credit hours)

Certifications may include: American Heart Association Health Association BLS Provider and IDPH State Certification.

Estimated cost: \$110 student fee, \$72.00(\$12/JJC credit hour), and an additional \$85 for the State CNA exam in the Spring.

Guidance Notes: 30% of time in the lab. Daily assignments and weekly tests. Emphasis on human anatomy.

CERTIFIED NURSING ASSISTANT (Accelerated)

The Accelerated Certified Nursing Assistant program is a **senior-only** program structured to prepare the student for employment as a Certified Nurse Assistant during the first semester. The students will transition to a work-based learning experience at AMITA St. Joseph Hospital along with additional lab skills and theory at Wilco during the 2nd semester on sterile processing and healthcare ethics. The curriculum includes all standards and procedures contained in the Illinois Department of Public Health Certified Nurse Aide Instruction Model. The State Nurse Aide Examination can be taken through this course, with the completion of 40 hours of on-site clinical experience at a local nursing facility, and included in the class structure if the student has a social security number. Students must have transportation to the clinical site, a physical, vaccination record, and TB test before September 15th. Before beginning the clinical experience, students must undergo a Health Care Worker criminal background check. Before beginning clinical at the hospital in the second semester, students will need a drug screening and proof of flu shot. Students must maintain an 80% throughout the semester to remain eligible for Joliet Junior College credit, AMITA clinical, and Illinois Department of Public Health Certified Nurse Aide Exam. Many medical-related college programs require clinical hours or, specifically, CNA certification before being admitted to the program. Upon completing this course, students may choose to continue their education in preparation for many careers in the healthcare field i.e.; Registered Nurse, Physical Therapist, Respiratory Therapist, Ultrasound Technician, etc. Students are required to wear appropriate clothing at the clinical site.

Dual Credit: Joliet Junior College credit NA101 (5.5 credit hours) and College of DuPage SURGT1000, CSPD1111 (6 credit hrs)

Certifications may include: American Heart Association Health Association BLS Provider and IDPH State Certification.

Estimated cost: \$150 student fee, \$66 (\$12/JJC credit hour), and additional \$85 for the State CNA exam in December

Guidance Notes: 30% of time in the lab. Daily assignments and weekly tests. Emphasis on human anatomy.

CCC: CYBER SECURITY, CISCO, AND CLOUD

The Cisco program is offered in conjunction with Joliet Junior College and will be held at the North campus in Romeoville, IL. Students will need their own transportation to and from the North campus. Students must complete the first course with a 'C' or higher to continue into the second semester of the course. Good attendance is essential for college success. Students also need a strong math background and computer aptitude.

CNT 101 - Network Fundamentals (3 credit hours)

Study of the devices and protocols used to connect computers and support devices into a network. Topics include the OSI model (layers 1 & 2), IP and MAC addresses, TCP, ARP, and RARP. The functions of hubs, switches, and routers are compared and contrasted. Media design, structured cabling, and network management are also covered. This course is the first of four that prepares students for the Cisco Certified Network Associate. This course is the first step in taking the CCNA certification exam offered by Cisco.

CNT 102 - Router Protocols and Concepts (3 credit hours)

This course is the second of four classes approved by Cisco Systems Inc., which prepares students for the Cisco Certified Network Associate (CCNA) exam. It concentrates on router configuration and establishing remote networks and connections. Topics include the basics of configuring a router through the command line interface, TCP/IP concepts used in routing, and an introduction to both routing mechanisms, distance vector, and link state. Prerequisite(s): CNT 101

CNT 220 - Cisco Certified Network Associate (CCNA) Security (3 credit hours)

this course is approved by Cisco Systems Inc. and prepares students for the Cisco Certified Network Associate (CCNA) Security exam. The US National Security Agency (NSA) and the Committee on National Security Systems (CNSS) recognize that the Cisco CCNA Security certification courseware meets the CNSS 4011 training standard. This course provides training to develop a security infrastructure, recognize threats and vulnerabilities to networks, and mitigate security threats.

CIS 125 - Cloud Essentials (3 credit hours)

This introduction to cloud course covers material pertaining to both CompTIA Cloud Essentials and Introduction to Cloud Infrastructure Technologies (LinuxFoundationX - LFS151. x). The Cloud Essentials course is relevant to business analysts, business process owners, technical support staff, managed service provider personnel, new data center staff, and sales/marketing staff in cloud product or service environments. Cloud Infrastructure Technologies is a vendor-neutral curriculum designed for business owners and technical professionals who want to bolster their knowledge of the fundamentals of Cloud Computing. Introduction to Cloud Infrastructure Technologies will help you understand the basics of Cloud Computing terminology, tools, and technologies associated with today's top Cloud platforms. Anyone looking at moving to the Cloud, regardless of vendor or platform, can benefit from Introduction to Cloud Infrastructure.

Students will need their own transportation to and from class at Joliet Junior College (JJC) North Campus, Romeoville. A JJC registration application for the program is required.

Dual Credit: Joliet Junior College CNT101, CNT 102, CNT220, CIS 125 (12 credit hours)

Estimated cost: \$144.00(\$12/JJC credit hour).

COMPUTER TECHNOLOGY

This one-year course comprises the following components that may allow the student to receive college credits from Joliet Junior College:

Computing Information Systems Fundamentals: A first course for business or computer information systems majors planning to transfer to a four-year institution. A complete introductory study of information systems, computer programming, and application software is presented. Course topics include the elements of a business computer system, system analysis and design, computer-to-mainframe systems, and program design and implementation. Also included will be an introduction to the Internet and its uses, as well as computer application software. This course also introduces basic concepts regarding word processing, spreadsheet, PowerPoint, and database management systems. At the end of the course, you will achieve reasonable proficiency in the above areas. Syllabus (subject to change). The class meets in a PC-equipped classroom.

Data Communications and Networking: This course discusses the basic concept of Local Area Networking. Topics include networking overview, sharing computer resources, using email, using file servers, protocols, different networking software, how to manage your network, and an introduction to Wide Area Network.

A+ Guide to Managing and Maintaining Your PC: This course investigates the hardware components of the personal computer. Heavy emphasis is placed on diagnosing and maintaining the PC. Students will learn to install and replace the major hardware components of the system. The students will learn to work on BIOS/CMOS and learn what it takes to build a PC. This is the first course in preparation for taking the CompTIA A+ certification exam.

Dual credit: Joliet Junior College CIS122, CIS145, CYBIT120 (10 credit hours).

Certifications may include: A+ Certification

Estimated cost: \$120.00(\$12/JJC credit hour).

Guidance Notes: Weekly assignments, projects, and quizzes. Heavy reading and lecture format.

CONSTRUCTION

Students will focus on the knowledge, hands-on skills, and workplace skills applicable to construction. Major units of instruction include personal safety, hand tools, power tools, blueprint reading, surveying, construction, landscaping, turf management, and business. Construction skills will focus on carpentry: framing, roofing, finishing, and other components of Construction, including career readiness skills of teamwork, communication, work ethics, problem-solving, and adaptability. Supplemental units may be provided in plumbing, electricity, concrete, block laying, drywall and painting. Careers such as agricultural engineers, carpenters, plumbers, electricians, concrete and block layers, finishers, safety specialists, landscape design, turf management, and other related occupations will be examined.

Guidance Note: Recommended that students have earned a 'C' or higher in Geometry.

COSMETOLOGY

This off-campus course is open to students to attend a state-approved school of beauty culture. The professional school will provide the facility, instruction, and clinical training as prescribed by the Illinois Department of Public Health. Registration needs to be done by first-year students in early January through a separate application process that can be found online at www.wilco.k12.il.us. Students may select from four schools in Will/Grundy Counties: Professional Choice in Joliet, Franklin Institute in Morris, Champions Beauty and Barber University in Plainfield, and The Nail Inn and School of Cosmetology in Lemont. Professional Choice limits participation to seniors who must start the program in July before their senior year. Cost and attendance times and dates vary per location. Please contact Wilco or the cosmetology school for more information.

Students provide their own transportation and complete all necessary paperwork prior to the due date (Varies by cosmetology school).

Estimated cost (Varies by cosmetology school): ranging from \$1,800 to \$7,500

Certifications: Program completion allows students to sit for the Illinois Department of Public Health Cosmetology license.

Guidance Notes: Clinical assignments, workbook assignments, and task signoffs. Emphasis on chemical reactions and human anatomy.

CULINARY ARTS I

Students have the opportunity to build interest and master essential hands-on culinary techniques and theoretical academics for a career in the Hospitality Industry. The Joliet Junior College Program is sponsored by the ACF and is an accelerated curriculum which is followed for Culinary Arts I students (taught in the first year of the program). Coursework topics include, but are not limited to: Foodservice History, Sanitation & Safety, Equipment Usage, Basic & Technological Aspects in Food Service Preparation, Nutrition, Classical Cooking, Ordering, Purchasing, Receiving & Inventory Controls, Workplace Math & Accounting; Introduction to Lodging & Tourism; Workplace Skills in securing employment and in Customer Relations; and Career and Technical Ethics. Students will be directly involved in all aspects of a commercial kitchen operation. Students will participate in at least 10 hours per semester of outside community service (not including field trips), as offered by the instructor. Students will also have an opportunity to use their culinary and leadership skills through participation in the FCCLA student organization. Additional opportunities are made available for dual college credits, articulated college credits, and scholarship availability with completed coursework requirements. Foods I is recommended for participation in the class.

Dual credit: Joliet Junior College CA105 CA106 (5 credit hours).

Certifications may include: National Restaurant Associations' certifications, ServSafe Food Protection Manager Certification, ServSafe Allergen Certification

Estimated cost: \$75.00 student fee and \$60.00(\$12/JJC credit hour).

Guidance Notes: 60% of time in the lab. Weekly assignments and quizzes. Emphasis on mathematics at the Algebra level.

CULINARY ARTS II: Hospitality Careers and Event Planning

This course is designed to help students develop outstanding customer service skills. Students will learn how to interact with customers, resolve conflicts, understand the importance of customer satisfaction/retention, actively participate as a member of a team, and develop time management skills. In addition, students will develop the skills needed to become successful event managers. Students will learn how to design, plan, market, and stage an event. Field trips to various restaurants and event centers will be utilized to reinforce concepts. Staffing, risk management, event evaluation, legal, and financial concerns will also be addressed. Students must have successfully completed Culinary Arts I at Wilco or Foods I and II at their home school to participate.

Dual credit: Joliet Junior College BUS 110 and HOSP148 (6 credit hours).

Estimated cost: \$35.00 student fee and \$72.00(\$12/JJC credit hour).

Guidance Notes: 60% of time in the lab. Weekly assignments and quizzes. Emphasis on mathematics at the Algebra level.

EARLY CHILDHOOD EDUCATION I

Students will participate in assistant teaching by working directly with children ages 3, 4, and 5 in the Wilco Preschool Lab. The first-year students will complete training for the first level of Early Childhood Education (ECE) Credential. The curriculum provides basic knowledge and skills for those working with or seeking to work with young children. Some of the topics presented: health, safety and nutrition, how children learn, observation and assessment, family and community relations, child development, and school-aged children. After successful teaching experiences, completion of all modules, and meeting attendance requirements, the students may earn their credentials.

Dual credit: Joliet Junior College CDEV201 and CDEV137 (6 credit hours).

Certifications may include: American Heart Association CPR, Gateways to Opportunity Early Childhood Education Level 1, Shaken Baby, and Mandated Reporter

Estimated cost: \$40.00 student fee and \$72.00(\$12/JJC credit hour).

Guidance Notes: Weekly assignments, projects, and quizzes. 60% of time working with preschool children in the lab.

EARLY CHILDHOOD EDUCATION II

Second-year students continue to teach in the preschool lab but are considered "experienced teachers." Course content includes child development, including literacy and education issues. Their assignments include working individually with a preschool child to create an "observation book" along with other required projects as outlined by Joliet Junior College. Second-year students have an opportunity to spend time within childcare sites for observations, if their grades allow, and continue work on the Joliet Junior College coursework.

Dual credit: Joliet Junior College CDEV101 and CDEV216 (6 credit hours).

Certifications may include: Gateways to Opportunity Early Childhood Education Level 2

Estimated cost: \$20.00 and \$72.00(\$12/JJC credit hour).

Guidance Notes: Weekly assignments, projects, and quizzes. 60 % of time working with preschool children in the lab.

EMERGENCY MEDICAL SERVICES

Students who enroll in the emergency medical technician program must have successfully completed the first year of **Fire Science or Introduction to Health Professions**. This program is approved by the Illinois Department of Public Health. The year will focus on preparing students for multiple career areas related to the fire service/health care field. Students will focus on caring for, handling, and extricating the critically ill and injured. Topics include airway management, patient assessment, vital signs, cardiopulmonary resuscitation, lifting and moving patients, documentation, communication, pharmacology, and cardiac emergencies. A heavy emphasis will be put on medical terminology. If IDPH approves the program, the EMT-B program requires students to spend sixteen hours off-campus in a hospital emergency room and twenty-four hours of ambulance ride-time in addition to the classroom. If the program is approved by IDPH, students who successfully complete the course may take the EMT-Basic exam.

Dual credit: College of DuPage FIRE2271 (10 credit hours).

Certifications may include: American Heart Association HealthCare BLS Provider and National EMT-B License

Estimated cost: \$100 student participation., the student will need additional \$20 for the State Exam.

Guidance Notes: Prerequisite- successful completion of Fire Science or Introduction to Health Professions with an 80%/B or better or completed three years of science with a 'B' or better. May require a JJC Placement test ENG 101, ACT 20, SAT EBRW 950, or ACCUPLACER 246-300. 30% of time in the lab. Heavy emphasis on medical terminology and human anatomy.

FIRE SCIENCE

Fire Science will follow the curriculum set forth by the State of Illinois Fire Marshall's Office, the Illinois Department of Health, and the Department of Transportation. Students will learn through classroom and guided activities the essentials of firefighting, which will include fire service history, education and the selection process, chemistry and physics of fire, building construction, personal protective equipment, operating self-contained breathing apparatus identifying ropes and tying knots, use of portable fire extinguishers, performing forcible entry, carrying and raising ladders, and auto extrication. Students will learn how to employ search and rescue techniques, use ventilation tools and practice hose evolutions on an operating engine, all in a safe environment. Students will also learn about the Emergency Medical Services System, how to provide emergency prehospital patient care and use related equipment.

Dual credit: JJC FSC101 and EMS 101(6 credit hours).

Certifications may include: State of Illinois IDPH Emergency Medical Responder, American Heart Association BLS Provider CPR, FEMA IS100c (Introduction to the Incident Command System), FEMA IS 700b (Introduction to the National Incident Management System) and Stop the Bleed.

Expected cost: \$75.00 student fee and \$72.00(\$12/JJC credit hour).

Guidance Notes: Prerequisite- May require a JJC Placement test ENG 098 and ENG 020, ACT 18, SAT EBRW 460, or ACCUPLACER of 222 Writeplacer 1-3. 50% of time in the lab. Emphasis on physical fitness, reading comprehension, and basic math.

HAIR BRAIDING

This off-campus course presents a unique opportunity for students to significantly enhance their hairstyling skills through advanced hair braiding techniques at a state-approved school of beauty culture. The professional school will provide the necessary facilities, classroom instruction, and hands-on (practical and technical) experience outlined by the Illinois Department of Public Health. The program will consist of a minimum of 300 clock hours or a 10-credit hour equivalency of instruction. First-year students should complete the separate application process by early January. The application and additional details can be found online at www.wilco.k12.il.us. Please contact Wilco or Fusion Hair and Braid Academy for more information.

Students provide their own transportation to the Fusion Hair and Braid Academy in Joliet and complete the application process.

Certification may include: IDPH State Certification

Estimated cost: \$3,000 student fee and \$100 registration fee

Guidance Notes: 80% of time in the lab. Weekly assignments and quizzes.

HEAVY EQUIPMENT TECHNOLOGY

The heavy equipment technology program is designed to train students for careers as heavy equipment mechanics and is a senior-only program. Heavy equipment includes cranes, bulldozers, front-end loaders, rollers, backhoes, and hoists. Emphasis will be on the fundamentals related to diesel engines and fuel systems used in heavy equipment. The program will introduce students to 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 power train functions. This off-campus class is available through an application process only. Students must be willing to participate in drug testing and meet attendance, behavior, and grade requirements.

The class will be located at ASIP-Local 150 in Wilmington.

Students must provide their own transportation daily to the Wilmington site, apply through Wilco, and be interviewed.

Certifications may include: OSHA 10-hour Certification, American Heart Association HealthCare Provider CPR, Snap-On Torque Certification

Estimated cost: \$ 45.00 for purchase of steel-toed boots and program shirt.

INTRODUCTION TO HEALTH PROFESSIONS

This course is an overview of the healthcare industry, including medical ethics and law, trends in healthcare, and exploration of career options. It includes an introduction to medical terminology, anatomy and physiology, vital sign measurement, math for conversions, standard precautions training, basic cardiac life support skills, and first aid. The goal of the course is to assist students in making an informed choice about healthcare occupations and learning basic skills related to all facets of the healthcare industry.

Dual credit: College of DuPage HLTHS1100 HLTHS1110 (5 credit hours).

Certification may include: American Heart Association BLS Provider Certification.

LAW ENFORCEMENT AND PUBLIC SAFETY

LENF 101 Introduction to American Policing: This course will highlight the introduction of modern policing and the study of law enforcement officers and policing strategies. This course will provide students with the history of law enforcement, an in-depth analysis of the American Constitution, and a career orientation emphasizing the realities of a career in law enforcement at local, state, and federal levels. This course will complement physical training, career exploration, and other police tactic training. Placement into ENG 098 is required for Joliet Junior College dual credit.

LENF 103 Criminal Law: Course Description: This course provides an in-depth exploration of the components, purposes, and functions of criminal law. It covers the essential elements required to establish a crime, including criminal intent (*mens rea*), and examines the various sources of criminal law. Students will study key topics such as attempts, conspiracy, criminal responsibility, and the range of defenses available in criminal cases. Additional focus will be placed on the laws governing arrest, search, and seizure, and the distinctions between criminal and civil law. Through the examination of real-world cases, students will gain practical insight into the application of criminal law in contemporary legal systems.

CRIMJ 1145 Introduction to Homeland Security: An overview of the evolution of the Department of Homeland Security (DHS) in the U.S. and an analysis of the major policies, practices, concepts, and challenges confronting the field. Modern threats from domestic, international, and transnational terrorism will be addressed along with issues stemming from other forms of geopolitical conflict and natural disasters. The roles of various agencies under the authority of the DHS as well as other government entities, private organizations, and individual citizens in responding to the modern threat landscape will be examined.

Dual credit: Joliet Junior College LENF101, LENF103, and College of DuPage CRIMJ1145(6 credit hours).

Estimate cost: \$36.00 (JJC \$12/credit hour)

Guidance Notes: Prerequisite- May require a JJC Placement test ENG 098 and ENG 020, SAT EBRW 460, ACT 18, or ACCUPLACER of 222 Writeplacer 1-3.

MEDICAL ASSISTING

Medical Assisting program is designed for **seniors** to prepare students for a career as a member of a multidisciplinary healthcare team within an outpatient care setting. Students develop the skills necessary to perform entry-level administrative and clinical procedures. Students will learn patient care techniques, functional anatomy, and physiology, as well as medical terminology, along with some diagnostic and specialty procedures. The position of an MA in the workplace focuses on the medical care of the patient, as well as the administrative work which differs from a CNA as a CNA tends to take the role of caregiver to patients as well as help patients with medical needs. CNAs often serve patients who need long-term care and in need of help with basic hygiene maintenance. A CNA will also tend to all bedside care of the elderly and can work in hospitals and nursing homes. MAs will administer injections, medications, and take the patient's health information. MAs will often perform office tasks as well as medical ones. They may gather patients' information as they check in to be seen, and collect all insurance information from the patients. Students will be introduced to ethical behavior and professional practice expected in healthcare. Topics will include communication, teamwork, conflict resolution, all-hazard preparation, needs of the patient, death, and dying.

Dual credit: Joliet Junior College MA102 (4 credit hours) and College of DuPage SURGT1000 (3 credit hours).

Certification may include: American Heart Association BLS Provider Certification

Estimated cost: \$48.00(\$12/JJC credit hour).

NAIL TECHNOLOGY

This off-campus course is open to students attending a state-approved nail technology school. Students will develop good communication skills, time management, and an eye for detail. Emphasis will be placed on all aspects of nail care, nail problems, artificial nails, and nail products. Upon successful completion of the course, the students will be eligible to sit for state certification.

Students provide their own transportation to Lemont or Joliet locations and complete the application process.

Certification may include: IDPH State Certification

Estimated cost: \$800 student fee

Guidance Notes: 80% of time in the lab. Weekly assignments and quizzes.

VETERINARY ASSISTANT I

Students learn animal science and the care of animals and related medical terminology, including the fundamentals of companion animal species and breeds, behavior and training, animal anatomy and physiology, nutrition, and safety. This course will develop students' understanding of animal reproduction, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Students develop basic skills and techniques for assisting the veterinarian/technician in the following areas: handling large and small animals, grooming animals/caring for coats, feeding animals, and maintaining equipment and facilities. Career exploration will focus on veterinarians, veterinary lab technicians, office lab assistants, small animal production, research lab assistants, and animal nutrition lab technicians. Since FFA is an integral part of this course, students are required to maintain a Supervised Agricultural Experience (SAE) and participate in the FFA activities hosted by our chapter. Students will be encouraged to volunteer at local veterinary offices and/or animal shelters.

Dual credit: Joliet Junior College AGRI119, VET 100(5 credit hours).

Estimated cost: \$30 student fee and \$60.00(\$12/JJC credit hour).

VETERINARY ASSISTANT II

This course introduces students to veterinary medicine with a focus on small animals, exotic species, and large animals. The topics taught will include roles in the veterinary hospital, medical records, anatomy & physiology, Fear Free handling, behavior, pet loss, grief & compassion fatigue, wildlife/zoo/aquarium rehabilitation, basic animal nursing care including grooming, obtaining vitals; physical exams, parasitology, and treatments for common diseases. There will be hands-on animal labs where students can perform basic nursing care on canines and felines, a class field trip to a local animal shelter to perform grooming, and a trip to JJC's agricultural center to learn about large animal medicine.

During the second semester, students will complete a 100-hour clinical practicum at a small animal general practice. Students will need to meet skill and academic requirements to be eligible for outside placement. Students will also learn to build resumes and perform mock interviews with Wilco staff.

Students must have their own transportation to the clinical site.

Dual credit: Joliet Junior College VTA101, VTA103 (5 credit hours).

Estimated Cost: \$60.00(\$12/JJC credit hour)

Guidance Notes: To be eligible for the externship/clinical experience, students must maintain an 80% or higher grade

WELDING I

Welding I is an introductory orientation course emphasizing safety, soft skills, job readiness, ongoing education, and career planning. Topics will cover welding terms & symbols, blueprints, procedures, organizations as well as the technology used in the Welding Industry. As an American Welding Society (AWS) Educational Institution, this program is intended to prepare students for the expectations & demands of becoming an AWS Entry Level Welder.

Students will also receive hands-on training on the fundamentals of the Arc Welding Process. This includes exposure to Shielded Metal Arc Welding (SMAW) and gas Metal Arc Welding (GMAW). Additional training will cover Plasma Arc and Oxygen-Fuel Cutting processes (PAC & OFC), as well as the use of shop equipment, tools, and techniques involved with welding mild steel.

Dual credit: Joliet Junior College: WLDG 101, WLDG 110 (6 credit hours).

Estimated cost: \$90.00 for required tools and safety clothing and \$72.00(\$12/JJC credit hour).

Guidance Notes: 70% of time in the lab. Weekly assignments and quizzes.

WELDING II

Welding II is intended for students seriously considering a career in Welding & related Industries. This is an intermediate course that emphasizes safety, Project-based learning, career planning, basic shop drawing/blueprint reading, measurements, advanced applications of the Shielded Metal Arc Welding process, fundamental use of the Gas Metal Arc Welding process, Oxy/Fuel Cutting, and the use of shop equipment involved with welding and testing to Industry Specifications. Students in WLD-II will operate under reduced direct supervision and will be expected to perform tasks in a manner typical of apprentices and entry-level welders.

Dual credit: Joliet Junior College: WLDG 120 (3 credit hours).

Certification may include: OSHA-10 General Industry (Industrial Credentials)

Estimated cost: \$90.00 for required tools and safety clothing and \$36.00(\$12/JJC credit hour).

Guidance Notes: 70% of time in the lab.

**For more information on dual credit agreements with Joliet Junior College, please visit
Joliet Junior College Academics Registration for Dual Credit by scanning the QR Code.**



Please note that agreements may change from the time of publication based on program and instructor requirements. Students are responsible for applying and completing all course registration requirements, i.e., Accuplacer testing and submitting ACT/SAT scores.