



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.

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 aims to give students a thorough understanding of the skills and knowledge needed for a successful career in the built environment. This includes fields like architecture, building engineering, construction management, and more. We know this can be a challenging but fulfilling journey, and we are here to support you every step of the way. Our relevant and rigorous college courses provide a strong foundation in the key areas of the building industry. Each ACE class covers terminology, processes, skills, and industry-specific topics to give students a complete overview of the fundamentals of building and construction. The ACE program is perfect for students interested in the built environment and potential careers in construction. Earning 12 college credits, students will receive a Certificate of Completion in Basic Construction, a college credential from JJC. These credits can be applied toward further study at JJC or used as a foundation for additional education elsewhere.

Students are required to provide their own transportation to and from class at Joliet Junior College (JJC) Main Campus, M-Th 12:30 p.m.- 1:45/2:15 p.m., 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: Senior-only program. Documentation of a 95% attendance rate, a 2.5 GPA, and a record of good behavior. It is recommended that students have earned a 'C' or higher in all mathematics courses and have senior status.



Application

AET: APPLIED ENGINEERING TECHNOLOGY

Students in the AET program at Joliet Junior College Main Campus will have opportunities to focus on applying and implementing design theory. During the first semester, students will engage in classroom lessons and hands-on shop activities. The shop experience emphasizes exercises and procedures that demonstrate the basic processes 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 for setting up and operating machine tools and performing basic processes in the machine shop. In the second semester, students will gain knowledge and skills in numerical control and computer programming procedures. The course will also include hands-on experience programming, setting up, and operating an NC milling and drilling machine, as well as a CNC milling and drilling machine. Students will become familiar with Windows NT and the computer program "Notepad." Additionally, students will work to develop a high level of skill in visualizing, applying, and interpreting machining and welding symbols and specifications. The course also covers reading diagrams.

Students are required to provide 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)

Guidance Notes: Senior-only program. Documentation of a 95% attendance rate, a 2.5 GPA, and a record of good behavior. Solid math skills are needed.



Application

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 enroll in four distinct college courses designed to develop skills and awareness in heating, ventilation, and air conditioning; industrial maintenance; basic wiring and circuit design; and industrial fluid power. They will learn about OSHA safety programs, maintenance physics, hand and power tools, precision measurement, technical diagrams and assembly prints, fastening devices, lubrication, basic pump operation, and pipefitting procedures. The program covers the principles of hydraulics and pneumatics related to fluid theory and typical industrial circuits. Students will construct fluid power circuits used in industrial applications. The curriculum then introduces the fundamentals of electrical and electronic circuits, including how to calculate and measure voltage, current, resistance, and power, with a focus on safe meter use, print reading, and exposure to current electrical technologies in the industry. Topics include introductory residential wiring, operation of AC motors, industrial solid-state devices, variable frequency drives, industrial controls, and single-phase and three-phase power distribution. Students will also learn skills necessary to safely operate electronic test equipment on low- and high-voltage components, as well as an introduction to installation, service, troubleshooting, and repair of various electrical controls, circuits, and components.

Students are required to provide 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: Senior-only program. Documentation of a 95% attendance rate, a 2.5 GPA, and a record of good behavior. Solid math skills are needed.



Application

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 roles and/or prepare them for post-secondary programs. Students' knowledge of measurement, estimation, and algebra, along with a technology course, would be advantageous. First-year students will develop vehicle maintenance and repair skills, including brakes, steering, and suspension, and will also learn the basics of electrical systems and engine performance sensors. The curriculum follows the National Automotive Technicians Education Foundation (NATEF) format. This program aims to prepare students for the Automotive Service Excellence (ASE) certification exams. Students will need to purchase a Wilco work shirt, safety glasses, and nitrile gloves. The Ford ACE program is offered as part of the curriculum.

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 complete labs involving diagnosing electrical circuits, sensors, drivability issues, check engine lights, and emission-related problems. Upon finishing this two-year course, students may earn college credits towards Nashville Auto Diesel or Joliet Junior College. Students are encouraged to further their training through a suitable technical school, college, manufacturer's program, or university. The curriculum follows the National Automotive Technicians Education Foundation (NATEF) format. This program prepares students for the Automotive Service Excellence (ASE) certification. Students should bring safety glasses, work shirts, and nitrile gloves. Replacement items are available for an additional fee. The Mercedes-Benz Connect program is offered as part of the curriculum.

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 the 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 are required to provide 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).

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.



Application

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 Regulation, Division of Professional Regulation, and has met all state and federal regulations. This course provides students with curriculum in both theory and practice in areas related to barber science and art, including anatomy; physiology; skin diseases; hygiene and sanitation; barber history; barber law; hair cutting and styling; shaving, shampooing, and permanent waving; massaging; and barber tools as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act. The knowledge, skills, and activities gained through this course will include advanced theoretical and practical training, building toward the 1500 hours of study required for barbering and preparing students for the barber license exam.

Students are required to provide their own transportation

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

Estimated cost: \$4,350 to \$3,150 paid to Champions Barbering, depending on 13 months or 2 years.

Guidance Notes: *Students must meet with the Barbering school to sign a contract and complete all required paperwork prior to the course being added to their schedule.*



Application

BUSINESS/FINANCE ACADEMY

This dual enrollment course is offered through a partnership with Joliet Junior College and will take place at the main campus in Joliet, IL. Students are responsible for arranging their own transportation to and from the main campus. They must complete the first course with a grade of 'C' or higher to proceed to the second semester. Good attendance is crucial for college success.

ACCY 101 - The first college-level course in accounting emphasizes financial accounting. This course covers the accounting cycle, assets, liabilities, and stockholders' equity. Attention is given to providing the student with an understanding of accounting procedures and the ability to use accounting data effectively. Computer applications are included. This course is designed for students who plan to continue with additional courses in the field, as well as for those whose needs are limited to an introductory course.

ACCY 102 - Continuation of ACCY 101. The emphasis of this second accounting course is on managerial accounting. Included in this course are the fundamentals of job order and process-cost systems, cost-volume-profit analysis, budgeting, variance analysis, and other topics. Computer applications are included. Prerequisite(s): ACCY 101

ECON 103 - A study of economic forces underlying the economic system with special emphasis on an analytical approach to determining price, national product, saving, consumption, investment, employment, growth, and economic stability, banking system, and international economics.

ECON 104 - A study of economic relationships at the level of the individual consumer, firm, and industry. This course explores pricing and output in different market settings, regulation and antitrust policy, market failure, and wage determination. Prerequisite(s): ECON 103

Students are required to provide their own transportation to and from class at Joliet Junior College (JJC)

Main Campus, Joliet. A JJC registration application for the program is required.

Dual Credit: Joliet Junior College ACC101, ACC102, ECON103, and ECON104 (14 credit hours)

Guidance notes: *Senior-only program. Recommended for students with a strong interest in business and accounting. Documentation of a 95% attendance rate, a 3.0 GPA, and a record of good behavior.*



Application

BUSINESS LOGISTICS

This dual credit course is offered through a partnership with Joliet Junior College. It focuses on key topics such as supply chain and operations management, transportation and distribution, cargo security compliance, import/export basics, and professional business and communication skills needed for success in the field. The course includes four classes: Transportation and Physical Distribution (SCM100/3 credit hours), Introduction to Supply Chain Management (SCM110/3 credit hours), International Logistics (SCM150/3 credit hours), and Purchasing and Supply Management (SCM160/2 credit hours), totaling 11 credit hours. It is open to juniors and seniors; however, students must start the program during their junior year to earn the certificate, though they can take the Business Logistics or Business Management course in any order. Additionally, students may enroll in a qualifying course at their home school at the same time to fulfill the extra business course requirements for the certificate.

Dual credit: Joliet Junior College SCM100, SCM110, SCM150, SCM160 (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 receive the Customer Service Certificate of Completion from Joliet Junior College. The Customer Service Representative plays a crucial role in an organization as the first point of contact for customers and a direct link to the sales team. Customer Service Representatives provide information and expert advice related to products and services; they anticipate customer needs, process orders and returns, and handle complaints. The course consists of four classes: Principles of Business Communications (BUS111), Customer Service (BUS110), Human Relations (MGMT 102), and Operations Management (SCM 130). This certificate offers a strong foundation in business communication, human relations, and excellent customer service practices. Graduates earning this certificate are prepared to pursue entry-level positions in the customer service field.

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 (English), or ACCUPLACER 246-300.

CERTIFIED NURSING ASSISTANT

The Certified Nursing Assistant program is a junior/senior program designed to prepare students for employment as a Certified Nurse Assistant. The curriculum covers all standards and procedures found in the Illinois Department of Public Health Certified Nurse Aide Instruction Model. Students can take the State Nurse Aide Examination through this course after completing 40 hours of on-site clinical experience at a local nursing facility, which is included in the class structure if the student has a Social Security number. Students must have transportation to the clinical site, a physical, and a TB test before September 15th. Before starting the clinical experience, students must pass a Health Care Worker criminal background check. To remain eligible for Joliet Junior College credit and the Illinois Department of Public Health Certified Nurse Aide Exam, students must maintain an 80% average throughout the semester. After completing this course, students can pursue further education to prepare for various healthcare careers, such as Registered Nurse, Physical Therapist, Respiratory Therapist, Ultrasound Technician, and more. 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: The American Heart Association (AHA) Basic Life Support (BLS) 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 designed to prepare students for employment as Certified Nurse Assistants during their first semester. 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 second semester, focusing on sterile processing and healthcare ethics. The curriculum covers all standards and procedures outlined in the Illinois Department of Public Health Certified Nurse Aide Instruction Model. The State Nurse Aide Examination can be taken through this course after completing 40 hours of on-site clinical experience at a local nursing facility, and is included in the class structure if the student has a social security number. Students must have transportation to the clinical site, a physical exam, vaccination records, and a TB test completed before September 15th. Before starting the clinical experience, students must undergo a criminal background check for healthcare workers. Prior to beginning clinical at the hospital in the second semester, students will need a drug screening and proof of a flu shot. Students must maintain a minimum of 80% throughout the semester to remain eligible for Joliet Junior College credit, AMITA clinical, and the Illinois Department of Public Health Certified Nurse Aide Exam. Many medical-related college programs require clinical hours or CNA certification before admission. After completing this course, students can continue their education toward careers such as Registered Nurse, Physical Therapist, Respiratory Therapist, Ultrasound Technician, and more. Students are required to wear appropriate clothing at the clinical site.

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

Certifications may include: The American Heart Association (AHA) Basic Life Support (BLS) and IDPH State Certification.

Estimated cost: \$150 student fee, \$72 (\$12/JJC credit hour), and an 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 partnership with Joliet Junior College and will take place at the North campus in Romeoville, IL. Students need to arrange their own transportation to and from the North campus. They must complete the first course with a grade of 'C' or higher to proceed to the second semester. Good attendance is crucial for college success. Additionally, students should have a solid math background and computer skills.

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 to move to the Cloud, regardless of vendor or platform, can benefit from Introduction to Cloud Infrastructure.

Students are required to provide 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)

Guidance notes: Senior-only program. Recommended for students with strong technical aptitude; prior experience in networking or computer systems. Documentation of a 95% attendance rate, a 2.5 GPA, and a record of good behavior.



Application

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, spreadsheets, 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.

Fundamentals of Networking: This course discusses the basic concepts 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.

IT Technical Support: 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 knowledge, hands-on skills, and workplace skills related 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 emphasize carpentry: framing, roofing, finishing, and other aspects of construction, including career readiness skills such as teamwork, communication, work ethics, problem-solving, and adaptability. Additional units may cover plumbing, electricity, concrete, block laying, drywall, and painting. Careers like agricultural engineers, carpenters, plumbers, electricians, concrete and block layers, finishers, safety specialists, landscape designers, turf managers, and related fields will be explored.

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

COSMETOLOGY

This off-campus course is available to students attending a state-approved beauty school. The professional school provides the facility, instruction, and clinical training as required by the Illinois Department of Public Health. First-year students must register early in January through a separate application process, which can be found online at www.wilco.k12.il.us. Students can choose from three schools in Will/Grundy Counties: Professional Choice in Joliet, Franklin Institute in Morris, and The Nail Inn and School of Cosmetology in Lemont. Professional Choice is limited to seniors who must begin the program in July before their senior year.

Students must also meet with their selected cosmetology school to sign a contract and complete all required paperwork prior to beginning the program. Costs and schedules vary by location. Please contact Wilco or the cosmetology schools for more information.

Students are required to 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 paid to cosmetology school of choice.

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

Guidance Notes: Students must meet with their selected cosmetology school to sign a contract and complete all required paperwork prior to the course being added to their schedule. Clinical assignments, workbook assignments, and task sign-offs. Emphasis on chemical reactions and human anatomy.



Application

CULINARY ARTS I

Students have the chance to develop an interest and master essential hands-on culinary skills along with theoretical knowledge for a career in the Hospitality Industry. The Joliet Junior College Program, sponsored by the ACF, offers an accelerated curriculum for Culinary Arts I students (taught in the first year). Course 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 for securing employment and customer relations, and Career and Technical Ethics. Students will be actively involved in all aspects of a commercial kitchen operation. They will participate in at least 10 hours per semester of outside community service (not including field trips), as coordinated by the instructor. Additionally, students will have opportunities to apply their culinary and leadership skills through participation in the FCCLA student organization. Further opportunities are available for dual college credits, articulated college credits, and scholarships upon meeting coursework requirements. Foods I is recommended for students interested in participating in the class.

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

Certifications may include: National Restaurant Association's 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 exceptional customer service skills. Students will learn how to interact with customers, resolve conflicts, understand the importance of customer satisfaction and retention, actively participate as team members, and develop time management skills. Additionally, students will acquire the skills needed to become successful event managers. They will learn how to design, plan, market, and execute events. Field trips to various restaurants and event centers will be used to reinforce these concepts. Topics such as staffing, risk management, event evaluation, legal issues, and financial concerns will also be covered. 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. First-year students will complete training for the initial level of the Early Childhood Education (ECE) Credential. The curriculum offers basic knowledge and skills for those working with or intending to work with young children. Some topics covered include health, safety, nutrition, how children learn, observation and assessment, family and community relations, child development, and school-aged children. After successful teaching experiences, completing all modules, and meeting attendance requirements, 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 the time working with preschool children in the lab.

EARLY CHILDHOOD EDUCATION II

Second-year students continue teaching in the preschool lab and are regarded as "experienced teachers." Course content covers child development, including literacy and education issues. Their assignments involve working independently with a preschool child to create an "observation book," along with other projects required by Joliet Junior College. Second-year students may also spend time at childcare sites for observations, depending on their grades, while continuing 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 the 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 various career paths related to the fire service and healthcare fields. Students will learn to care for, handle, and extricate critically ill and injured individuals. Topics include airway management, patient assessment, vital signs, cardiopulmonary resuscitation, lifting and moving patients, documentation, communication, pharmacology, and cardiac emergencies. A strong emphasis will be placed on medical terminology. If IDPH approves the program, the EMT-Basic 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 classroom instruction. If approved by IDPH, students who successfully complete the course may take the EMT-Basic exam.

Dual credit: Proficiency credit JJC EMS200 & College of DuPage FIRE2271 (10 credit hours) with National Registered Emergency Medical Technician License.

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

Estimated cost: \$100 student participation. The student will need an additional \$104 for the National 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.

FIRE SCIENCE

Fire Science will follow the curriculum established by the Illinois Fire Marshal's Office, the Illinois Department of Health, and the Department of Transportation. Students will learn the fundamentals of firefighting through classroom instruction and guided activities, including fire service history, education and selection processes, the chemistry and physics of fire, building construction, personal protective equipment, operating self-contained breathing apparatus, identifying ropes and tying knots, using portable fire extinguishers, performing forcible entry, carrying and raising ladders, and auto extrication. Students will also learn search and rescue techniques, operate ventilation tools, and practice hose evolutions on a working fire engine, all in a safe environment. Additionally, students will gain knowledge about the Emergency Medical Services System, how to provide emergency prehospital patient care, and how to use related equipment.

Dual credit: JJC FSC101 and EMS 101(7 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 \$84.00(\$12/JJC credit hour).

Guidance Notes: Prerequisite- May require a JJC Placement test ENG 098 and ENG 020, ACT 19 (English), SAT EBRW 460, or ACCUPLACER of 222 Writeplacer 0-3. 50% of the time in the lab. Emphasis on physical fitness, reading comprehension, and basic math

HAIR BRAIDING

This off-campus course offers a unique chance for students to greatly improve their hairstyling skills through advanced hair braiding techniques at a state-approved beauty culture school. The professional school will supply the necessary facilities, classroom instruction, and hands-on (practical and technical) experience as outlined by the Illinois Department of Public Health. The program will include at least 300 clock hours or an equivalent of 10 credit hours of instruction. First-year students should complete the separate application process by early January. The application and more details are available online at www.wilco.k12.il.us. For more information, please contact Wilco or Fusion Hair and Braid Academy.

Students are required to provide their own transportation to the Fusion Hair and Braid Academy in Joliet

Certification may include: IDPH State Certification

Estimated cost: \$3,000 student fee and \$100 registration fee paid to Fusion Hair Braiding

Guidance Notes: *Students must meet with the Hair Braiding school to sign a contract and complete all required paperwork prior to the course being added to their schedule. 80% of the time in the lab & weekly assignments/quizzes*



Application

HEAVY EQUIPMENT TECHNOLOGY

The heavy equipment technology program is designed to prepare 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 placed on the fundamentals of 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 hydraulics principles, engine components, intake and exhaust systems, welding basics, and powertrain 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 are required to 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 the purchase of steel-toed boots and program shirt.

Guidance Notes: *Senior-only program. Documentation of a 95% attendance rate and a 2.5 GPA*

INTRODUCTION TO HEALTH PROFESSIONS

This course provides an overview of the healthcare industry, covering medical ethics and law, current trends, and career exploration. It includes an introduction to medical terminology, anatomy and physiology, vital sign measurement, mathematical conversions, standard precautions training, basic cardiac life support skills, and first aid. The purpose of the course is to help students make informed decisions about healthcare careers and learn fundamental skills across all areas of the healthcare field.

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 the local, state, and federal levels. This course will complement physical training, career exploration, and other police tactical 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 (6 credit hours) and College of DuPage CRIMJ1145(3 credit hours)

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

Guidance Notes: *Prerequisite- May require a JJC Placement test ENG 098 and ENG 020, SAT EBRW 460, ACT 19 (English), or ACCUPLACER of 222 Writeplacer 0-3*

MEDICAL ASSISTING

The Medical Assisting program is designed for seniors to prepare students for a career as part of a multidisciplinary healthcare team in an outpatient care setting. Students develop the skills needed to perform entry-level administrative and clinical procedures. They will learn patient care techniques, functional anatomy, physiology, medical terminology, and some diagnostic and specialty procedures. The role of an MA in the workplace focuses on patient care and administrative tasks, which differ from those of a CNA, who typically provides direct patient care and assists with medical needs. CNAs often serve patients requiring long-term care and assistance with basic hygiene. They handle bedside care for the elderly and can work in hospitals and nursing homes. MAs administer injections, medications, and record patients' health information. They often perform both office and medical tasks, such as gathering patient information during check-in and collecting insurance details. Students will be introduced to ethical behavior and professional practices expected in healthcare, covering topics like communication, teamwork, conflict resolution, all-hazard preparation, patient needs, 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 available to students enrolled in a state-approved nail technology school. Students will enhance their communication skills, time management, and attention to detail. The course will focus on all areas of nail care, nail issues, artificial nails, and nail products. Upon successfully finishing the course, students will be qualified to take the state certification exam.

Students are required to 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 the time in the lab & weekly assignments/quizzes

VETERINARY ASSISTANT I

Students learn animal science and animal care, including related medical terminology, fundamentals of companion animal species and breeds, behavior and training, animal anatomy and physiology, nutrition, and safety. This course enhances students' understanding of animal reproduction, ethics, welfare, health, veterinary medicine, veterinary office practices, and animal services to humans. Students develop basic skills and techniques for assisting veterinarians and technicians in handling large and small animals, grooming, feeding, and maintaining equipment and facilities. Career exploration focuses on roles like 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 FFA activities hosted by our chapter. Students are also encouraged to volunteer at local veterinary offices and 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 covered include roles in the veterinary hospital, medical records, anatomy and physiology, Fear Free handling, behavior, pet loss, grief and compassion fatigue, wildlife, zoo, and aquarium rehabilitation, as well as basic animal nursing care such as 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 for grooming, and a visit 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 are required to provide their own transportation to the clinical site.

Dual credit: Joliet Junior College VTA101, AGRI299 (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 that focuses on safety, soft skills, job readiness, ongoing education, and career planning. Topics include welding terms and symbols, blueprints, procedures, organizations, and the technology used in the welding industry. As an American Welding Society (AWS) Educational Institution, this program aims to prepare students for the expectations and demands of becoming an AWS Entry-Level Welder.

Students will also receive practical 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)

Certification may include: OSHA-10 General Industry

Estimated cost: \$90.00 for required tools and safety clothing, \$72.00(\$12/JJC credit hour), and \$10.00 OSHA Certification

Guidance Notes: 70% of the time in the lab & weekly assignments/quizzes

WELDING II

Welding II is designed for students seriously considering a career in Welding and related industries. This intermediate course emphasizes safety, project-based learning, career planning, basic shop drawing and blueprint reading, measurements, advanced techniques in Shielded Metal Arc Welding, fundamental use of Gas Metal Arc Welding, Oxy/Fuel Cutting, and the operation of shop equipment used for welding and testing according to industry standards. Students in WLD-II will work with less direct supervision and are expected to perform tasks similar to those 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, \$36.00(\$12/JJC credit hour), and \$10.00 OSHA Certification

Guidance Notes: 70% of the 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.