Advanced Manufacturing Technology & Engineering

Learn the skills and technology needed to launch a career in engineering, manufacturing, or logistics.

- Dual Credit: Ivy Tech (1st year, 6 credits) MPRO100, MPRO106
  Ivy Tech (2nd year, 9 credits) MPRO122, MPRO102, MPRO201
- Certifications: APICS Logistics, APICS Operations, MSSC Safety, MSSC Quality, Ivy Tech White Belt

Create computer generated designs with industry leading software using engineering principles.
Utilize 3D printer, laser engravers, and computer controlled machinery to produce professional products that meet customer expectations.
Apply technology to develop products and manage storage and distribution.
Job Opportunities: Engineer, CNC Machinist, Drafting Technician

NEW!!
Airport & Aviation Management
Location: Indianapolis Metropolitan Airport - personal transportation required

Are you interested in airplanes, the aviation field, or want to be a pilot someday?

- Dual Credit: Ivy Tech (17 credits) AVIT111, AVIT120, AVIT132, AVIT138, AVIT208
- Certification: Private Pilot Knowledge Exam

Participate in this aviation-interactive classroom at the Indianapolis Metropolitan Airport.
Learn about aircraft manufacturing, airline operations, aviation technology, air freight, airport management, government service, and weather services.
Jumpstart your college and career goals by earning dual credits and certifications.
Job Opportunities: Airline Pilots, Airport Management, Aviation Technology

Animation & Film Production

Develop the foundation of filmmaking and animation through hands-on production.

- Dual Credit: Vincennes (6 credits) MCOM102, BCST140*
- Certification: Adobe Certified Associate - Adobe Premiere

Learn the essential principles and processes of producing films and animations.
Apply cinematography, writing, and editing skills to create films and let your voice be heard.
Explore the principles of animation and the software used to create it to find your unique style.
Job Opportunities: Cinematographer, Video Editor, Producer, Screen Writer, Animator

Automotive Collision Repair & Refinishing

Prepare students for an entry level or beyond career in the automotive industry.

- Dual Credit: Vincennes (14 credits) BODY100, BODY100L, BODY150, BODY150L
- Certifications: ASE Student Certifications, SP2 Certificates: Collision Safety, Collision Pollution Prevention

Learn how to repair, paint, and refinish vehicles.
Develop hands-on skills and knowledge of the automotive industry while earning college credits.
Explore college and career opportunities in the automotive industry.
Job Opportunities: Auto/Truck Collision Repair, Paint Facilities

Automotive Maintenance & Detailing

Develop technical and professional skills to find gainful employment in the automotive industry and other related fields.

- Certifications: Training & Skills Competency Guarantee, Mechanical Pollution Prevention & Mechanical Safety, Valvoline Motor Oil Basics

Develop professional skills by practicing and following industry protocol.
Utilize acquired knowledge to detail and repair automobiles.
Create opportunities for students in internships and Work Based Learning.
Job Opportunities: Quick Lube Shops, Brake and Muffler Shops, Dealerships

Automotive Service Technology

Develop the knowledge and skills necessary to successfully diagnose and repair today's technically advanced vehicles.

- Dual Credit: Ivy Tech (1st year, 6 credits) AUTI100, AUTI111
  Ivy Tech (2nd year, 6 credits) AUTI131, AUTI141
- Certifications: Shipping Hazardous Materials, Mechanical Pollution Prevention & Mechanical Safety, Valvoline Motor Oil Basics & Training Skills Competency Guarantee, ASE Student Certification, WIN SoftSkills Certification

Learn proper procedures for diagnosing and repairing automobiles.
Perform basic repairs and maintenance on many different automotive systems.
Explore career paths in the automotive industry.
Job Opportunities: Auto Garages, Dealerships, Quick Lube Shops, Tire Shops

Cosmetology
Locations: JELCC, Freestyle (Lebanon)

Develop the skills needed to be an Indiana state licensed Cosmetologist.

- Dual Credit: Vincennes (1st year, 14 credits) COSM100*, COSM150
  Vincennes (2nd year, 16 credits) COSM200, COSM259
- Certifications: State of Indiana License

Learn basic fundamentals in hair design, nail technology, and skin care.
Apply techniques on mannequins and customers from our walk-in salon.
Develop leadership skills through participation in SkillsUSA.
Job Opportunities: Licensed Cosmetologist, Barbershop, Beauty Salon
Kit fee and uniform: approximately $600

Culinary Arts Careers

Develop foundations of Culinary and Hospitality careers for students.

- Dual Credit: Ivy Tech (1st year, 1 credit) HOSP101*
  Ivy Tech (2nd year, 3 credits) HOSP102*
- Certifications: Servsafe, ProStart National Certificate

Apply theory of Culinary Arts and Hospitality to real life careers.
Explore different career paths in the Culinary and Hospitality Industry.
Experience hands-on training in our student-run Light Café, which is open to the public.
Job Opportunities: Chef, Kitchen Manager, Restaurant Manager, Catering, Dietician

Dental Careers

Develop the foundation for a career in Dentistry.

- Dual Credit: Ivy Tech (9 credits) DENT115, HLHS101*, DENT124
- Certifications: DANB Infection Control, AHA BLS, DANB Radiation Health & Safety

Establish a thrilling and rewarding career in dentistry as a dental assistant and learn about the exciting job outlook for dental hygienists and dentists.
Develop the knowledge necessary to take the Dental Assisting National Board (DANB) Infection Control Exam and Radiation Health and Safety Exam.
Combine hands-on learning in the JEL Clinic and work based learning opportunities to reinforce job skills learned during the class.
Job Opportunities: Dental Assistant, Office Manager, Dental Lab

Digital Designs & Advertising

ATTENTION; Seeking creative students who want to experience hands-on learning. Learn how to combine your love of art and your future career goals.

- Dual Credit: Ivy Tech (6 credits) VISC102*, VISC115*

Design graphics for logos, t-shirts, advertising, and promotional items, participate in design competitions, and work with real clients.
Develop an exciting and creative portfolio to advance your college and career opportunities as you incorporate a variety of visual art techniques while learning state-of-the-art computer software.
Learn from many guest speakers both in the industry and in postsecondary education to help you find a career pathway to follow.
Job Opportunities: Graphic Designer, Advertising, Artist, Illustrator, Web Designer

Education Careers

Develop the foundation for employment in early childhood education and other child related careers.

- Dual Credit: Ivy Tech (1st year, 9 credits) ECED100*, ECED101*, ECED103*
  Ivy Tech (2nd year, 3 credits) ECED105*
- Certification: CDA (Child Development Associate)

Develop and teach activities enhancing the pre-school age child's physical, emotional, social, and intellectual development.
Acquire hands-on experience by participating in an internship at a local child care center or elementary school.
Explore career opportunities in education to achieve a clear direction for post secondary education.
Job Opportunities: Teaching Assistants, In-home Childcare, Elementary Teacher

EMR, First Responder
Fall Semester Only

Develop the foundation for any career in healthcare.

- Dual Credit: Ivy Tech (3 credits) HSPS120

Perform skills such as: airway management, splinting of fractured bones, actions to take during the respiratory emergency, CPR, and vital signs.
Gain a foundation of knowledge and become eligible to take the spring semester of the EMT course.
Develop leadership skills through participation in HOSA.
Job Opportunities: Hospitals, Health Clinics

Emergency Medical Technician (EMT)
Locations: JELCC, FHS, HSE

Develop the foundation for any career in healthcare.

- Dual Credit: Ivy Tech (13.5 credits) HSPS120, PARM102, HLHS101*
- Certifications: AHA Healthcare Provider CPR, EMR, and Nationally Registered EMT (Must be 17 years old by May 1 the school year enrolled in the class to be eligible for certification)

Apply life saving skills practiced in class on ambulance ride outs and ER rotations.
Perform skills such as: airway management, splinting of fractured bones, actions to take during the respiratory emergency, CPR, and vital signs.
Develop leadership skills through participation in HOSA.
Job Opportunities: EMT in the hospital or pre-hospital setting

Health Careers, CNA Prep
Locations: JELCC, FHS, HSE, Ivy Tech Noblesville - personal transportation required

Develop the foundation for any career in healthcare with an emphasis on nursing.

- Dual Credit: Ivy Tech (11 credits) HLHS100, HLHS107, HLHS113
- Certifications: Certified Nursing Assistant (CNA), AHA BLS CPR Certification for Healthcare Providers, AED

Explore various careers in the healthcare industry.
Provide hands-on nursing assistant skills to residents in a long-term care facility during clinical rotations.
Develop job readiness and leadership skills needed for a Healthcare professional through participation in clinicals and HOSA.
Job Opportunities: Hospitals, home health and assisted living facilities. Some nursing schools now require a CNA certification to be considered as a potential student.

Health Careers Exploration
Locations: JELCC, FHS, HSE

Develop a foundation of healthcare knowledge through an introduction to healthcare systems, careers, human anatomy and physiology, and medical terminology.

- Dual Credit: Ivy Tech (9 credits) HLHS100, HLHS101*, HLHS 113
- Certifications: AHA BLS CPR Certification for Healthcare Providers

Develop and apply job seeking and maintenance skills in the healthcare industry.
Explore healthcare careers and identify future healthcare interests.
Develop leadership skills through participation in HOSA.
Job Opportunities: Healthcare starter jobs

NEW!!
Information Technology: Cyber Security, Networking, & Coding
Locations: JELCC, Ivy Tech Noblesville - personal transportation required

Explore Information Technology choose a focus: Cyber Security, Networking, or Coding.

- Dual Credit: Ivy Tech (15 credits) INFM109*, ITSP135*, NETI105*, SDEV120*, NETI115*
- Certifications: CCENT, CLA, CCNA CyberOps, CompTIA Security

Utilize CISCO software and participate in hands-on activities.
Immerse yourself into projects related to authentic challenges and solutions found in current IT careers.
Jumpstart your college and career goals by earning dual credits and certifications.
Job Opportunities: Computer Networking, Cyber Security, Web Development, Coding

Law Enforcement

Explore various professions in Law Enforcement, Corrections, and Security.

- Dual Credit: Vincennes (12 credits) LAWE100, LAWE101, LAWE145, LAWE150
- Certifications: CPR, AED, Basic First Aid, National Incident Mgt.

Perform tactical skills acquired using a state of the art firearms simulator.
Apply skills learned for defensive tactics, forensic photography, fingerprinting, & more!
Learn basic protocols of crime scene investigation and evidence collection.
Job Opportunities: Law Enforcement Officer, Crime Scene Investigations, Corrections & Parole

Media Arts Production

NC News production - learn video and editing skills using Adobe software.

- Dual Credit: Vincennes (1st year, 6 credits) MCOM102, BCST140
  Vincennes (2nd year, 3 credits) BCST180
- Certifications: Adobe Certified Associate - Adobe Premiere

Perform the NC News Show by fulfilling TV studio duties, such as on-camera anchor personality.
Produce client video projects; learn video camera and editing software operations.
Learn time management to meet deadlines and needs of clients for video product and studio recording session needs.
Job Opportunities: Radio DJ, Radio Production, TV Camera Operator, Video Editor, News Producer, Videographer

Medical Assisting

Explore what it means to be a Medical Assistant and perform skills that can be applied to many healthcare careers.

- Dual Credit: Ivy Tech (6 credits) HLHS100, HLHS101*
- Certifications AHA BLS CPR Certification for Healthcare Providers, NCHSE (National Consortium for Health Science Education) Certification

Experience what it means to work in a physicians office and apply skills learned when volunteering at school clinics and/or shadowing opportunities.
Perform administrative and clinical skills, such as: performing vital signs, assisting with a physical exam, CPR/first aid, giving injections, drawing blood, surgical preparation and sterilization processes.
Develop leadership skills through participation in HOSA.
Job Opportunities: Medical Offices, Clinics, Pharmacies, Outpatient facilities

Music & Sound Production
Locations: JELCC, FHS

Develop the skills necessary for a career in audio and music production.

- Dual Credit: Vincennes (6 credits) MCOM102, BCST120
- Certifications: Avid Pro Tools

Learn how to properly record music and audio, while using industry-leading audio production software to mix projects.
Experience hand-on learning with audio production equipment and software.
Explore careers in the audio production field, and find out the steps needed to obtain them.
Job Opportunities: Audio Engineer, Music Producer, Sound Designer, Live Sound Technician, Performer

NEW!!
Pharmacy
Location: Ivy Tech Noblesville - personal transportation required

Develop the foundation for a career in Pharmacy.

- Dual Credit: Ivy Tech (6 credits) HLHS100, HLHS101*
- Certifications: CPT (Certified Pharmacy Technician), AHA BLS CPR Certification for Healthcare Providers

Experience hands-on learning in pharmacy setting.
Gain knowledge about medication and their uses, medical terminology, and communication skills related to the medical field.
Prepare for the Pharmacy Technician Certification that you will be eligible to take when you are 18 years old.
Job Opportunities: Pharmacy Technician, Pharmacist

Veterinary Careers

Prepare students for the science and field of Veterinary Medicine.

- Dual Credit: Ivy Tech (3 credits) HLHS101*

Explore the workings of the body of mammals by discovering the parts and how they work.
Develop the skills needed to work in a veterinary clinic as a veterinary assistant.
Utilize the knowledge you gain in medical terminology to speak the language of medicine within the veterinary world.
Job Opportunities: Veterinary Assistant, Zoos, etc.

Welding
Locations: JELCC, HSE

Develop basic skills in the welding field.

- Dual Credit: Ivy Tech (1st year, 6 credits) WELD100, WELD108
  Ivy Tech (2nd year, 6 credits) WELD207, WELD208
- Certifications: American Welding Society, MSSC Certificate

Utilize basic welding skills.
Perform basic welding and cutting operations.
Apply blue print reading skills.
Job Opportunities: Welding Shops, Manufacturing Plants

Work Based Learning
Prerequisites: Preparing for College and Careers, and 4 related CTE credits.

Experience your CTE Pathway through paid, on-the-job work experience.
Develop students' skill and knowledge in chosen career path and further their job readiness skills in a paid on-the-job experience.
Apply the concepts, skills, and dispositions learned in previous CTE pathway coursework in real world trade and industry settings while establishing a clear connection between school and work.
Build your resume and industry connections while improving your post graduation job opportunities.