



## **CLASS OFFERINGS**

**Advanced Manufacturing Technology and Engineering**

**Animation/Film Production**

**Automotive Collision Repair**

**Automotive Maintenance/Detailing**

**Automotive Service Technology**

**Computer Repair**

**Cosmetology**

**Culinary Arts**

**Dental Careers**

**Digital Media Arts**

**Education Careers**

**EMS First Responder**

**Emergency Medical Technician**

**Graphic and Web Design**

**Healthcare Careers, CNA Prep**

**Health Careers Exploration**

**Law Enforcement**

**Medical Assisting**

**Music/Sound Production**

**Pharmacy Technology**

**Veterinary Assisting**

**Welding**

**Work Based Learning**



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## **Advanced Manufacturing Technology and Engineering**

**One or two years, 3 or 2 hours per day | Prerequisite: Algebra 1 or higher**

**Dual Credit: Ivy Tech (1st year, 6 credits) MPRO 100, MPRO 106**

**Certifications: APICS Logistics, APICS Operations, and MSSC Certified Logistics Associate(2nd year, 9 credits) MPRO 122, MPRO 102, MPRO 201**

**Certifications: MSSC Safety, MSSC Mfg. Processes and Production, MSSC Maintenance Awareness, MSSC Full Certified Production Technician**

Robotics, CNC Machining, 3D Printing, and more! Advanced Manufacturing Technology and Engineering is designed to expose students to the skills needed in the growing fields of manufacturing and production. This program will prepare students for employment with prestigious companies by focusing on the subjects of manufacturing processes and production, three dimensional modeling and analysis, robotic applications, quality and continuous improvement practices, maintenance awareness, and safety. Software Used: AutoCAD, Inventor, Aspire, CatalystEX, Repetier, WinCNC *Job Opportunities: Engineer, CNC Machinist, Drafting Technician, Material Handling Specialist*

## **Animation/Film Production**

**One or two years, 2 hours per day**

**Dual Credit: Vincennes (6 credits) MCOM 102, MDIA 140**

**Certification: Final Cut Pro**

Have you ever wondered how movies and animations are made? Then this 2-hour class is for you. You'll learn the basics of creating simple animations, the cinematography skills necessary to shoot films and the editing skills to put everything together into a complete project. This course will give you the skills necessary to produce your own films and animations, obtain an entry-level job or expand on your education in college.

## **Automotive Collision Repair Technology**

**One or two years, 3 or 2 hours per day**

**Dual Credit: Vincennes (14 credits) BODY100, BODY 100L, BODY 150, BODY 150L**

**SP2 Certificates: Collision Safety, Collision Pollution Prevention, & Shipping Hazardous materials**

Students study a wide range of processes, methods, and materials in keeping with the high-tech nature of today's automotive collision repair industry. State of the art equipment is used in this program. Students will also gain experience in custom painting techniques. We are a I-Car Alliance Training facility. *Job Opportunities: Auto/Truck Collision Repair/Paint Facilities*

## **Auto Maintenance/Detailing**

**One or two year, 2 or 3 hours per day**

**SP2 Certificates: Shipping Hazardous Materials, Mechanical Pollution Prevention & Mechanical Safety, Valvoline Motor Oil Basics Training & Skills Competency Guarantee**

Students will learn how to professionally clean an automobile and prepare for auto detailing jobs available in the area. This course covers basic detailing, including the fundamentals of engine detailing, interior and exterior cleaning, and waxing and buffing techniques. Students will learn the proper use of chemicals and tools, and how to recognize auto problems, and estimate cost and time requirements. Students will explore minor auto repair, including engine performance, tires, brakes, automotive electricity, and minor exterior modifications and repairs, including sound system design and installation, window tinting and other vehicular customization

## **Automotive Service Technology**

**One or two years, 3 hours per day**

**Dual Credit: Ivy Tech (1st year, 3 credits) AUTC100 (2nd year, 6 credits)**

**AUTC109, AUTC127**

**SP2 Certificates: Shipping Hazardous Materials, Mechanical Pollution Prevention & Mechanical Safety, Valvoline Motor Oil Basics Training, Skills Competency Guarantee, Automotive Service Excellence Student Certification**

Classroom and lab activities include instruction in the basics of automotive operation, service, and maintenance. The course is based on unit information starting at the lowest skill level and building to employment level. *Job Opportunities: Auto Dealerships, garages, etc.*

## **Computer Repair**

**One or two years, 2 or 3 hours per day**

**Dual Credit: Vincennes (6 credits) CMET 140, CMET 185**

**Certification: CompTIAA+, Strata Network +**

Students will study the set-up, testing, repair, and maintenance of computer hardware. Students will also study operating systems, application software, and how to build a computer. It is possible for the student to keep the computer made in class. *Job Opportunities: Computer Technician*

## **Cosmetology**

**Two years, 4 hours per day**

**Dual Credit: Vincennes (1st year, 14 credits) COSM 100\*, COSM 150 (2nd year, 16 credits) COSM 200, COSM 250**

**Certifications: State of Indiana License**

**Social Security Number required for State License Exam**

Students can qualify for the Indiana State examination required for completion of this 1500 hour course. Theory and practice of facial massage, makeup, hair dressing, styling, and hair color are some of the areas covered in this class.

## **Culinary Arts**

**One or two years, 3 hours per day**

**Dual Credit: Ivy Tech (1st year, 3 credits) HOSP 101\* (2nd year, 3 credits) HOSP 102**

**Certifications: ProStart National Certificate**

Students will spend the first year learning all the basics of cooking and the second year concentrating on international foods, baking and pastry, entrepreneurship, and hospitality. Students will have the opportunity to work in our restaurant. All students will have the opportunity to be Serv-Safe certified. Students can compete in various culinary competitions through our student CTSO.

## **Dental Careers**

**One or two years, 3 hours per day**

**Dual Credit: Ivy Tech (1st year, 4 credits) DENT 115 Certifications: DANB Infection Control, American Heart BLS**

**(2nd year, 5 credits) HLHS 101\*, DENT 124 Certifications: DANB Radiation Health & Safety, NELDA (National Entry Level Dental Assistant)**

Do you notice people's smiles? Do you want to be a part of a career that helps put smiles on people's faces? A career as a dental assistant will provide you with a stable, respected job that can be obtained after your high school graduation and make you smile. Students will study dental anatomy, dental terminology, nutrition, and oral diseases. Skills will be developed in sterilization, operative procedures, radiographs, and patient management. Students will gain leadership skills developed through HOSA participation. Upon successful completion of the two year program, students will be qualified to take the state certification exam in radiology. *Job Opportunities: Dental Assistant, Office Manager, Dental Lab*

## **Digital Media Arts**

**One or two years, 2 hours per day**

**Dual Credit: Vincennes (6 credits) MCOM 102, MDIA 140**

**Certifications: Final Cut Pro**

Media is an essential part of our world today, and we consume it in many forms—movies, music, television...even YouTube! Go behind the scenes in this course and learn all aspects of digital audio and video production. Apply what you learn by creating short films and music videos, having a voice as a DJ or sportscaster on our radio station (WJEL 89.3) and showcasing your work to others. You will use software that is currently used by radio, television, and film professionals. Our 17 audio/video recording bays, TV studio, radio station and state-of-the-art equipment will give you the advantage you need to be successful in college or start your career.

## Education Careers

**One or two years, 3 hours per day**

**Recommended Prerequisite** Child Development or Adv. Child Development

**Dual Credit:** Ivy Tech (1st year, 9 credits) ECED 101\*, EDED 100\*, ECED 103\*

**Certifications:** Early Childhood Education Certificate

(2nd year, 3 credits) ECED 105\* **Certifications:** CDA (if exam is passed)

**Social Security Number required for background check**

Develop a working knowledge of licensing regulations, nutrition, health, safety, and sanitation. Learn to plan, develop, teach, and supervise activities enhancing the pre-school age child's physical, emotional, social, and intellectual development. Obtain hands-on experience by volunteering in our on-site licensed child care center and participating in an internship at a local child care center or elementary school. In addition, second year students work towards CDA (Child Development Associate).

## EMS, First Responder

**One semester, 3 hours per day**

**Dual Credit:** Ivy Tech (3 credits) PSAF 120

Students will learn the skills to act in a time of emergency that could save someone's life. This semester course will teach skills such as airway management, splinting of fractured bones, actions to take in respiratory emergencies, Adult, Child & Infant CPR, and how to take blood pressures and vital signs. This course is introduction to EMT. Students may opt to continue for rest of year and get EMT certification. Upon successful completion of this class, students will be qualified to take the state certification exam.

## Emergency Medical Technician

**One year, 3 hours per day . Prerequisite:** Senior or 17 years old by Nov. 1

**Dual Credit:** Ivy Tech ( 7.5 credits) PARM 102

**Certifications:** Awareness, Community Emergency Response

**Vincennes (6 credits) EMTB 212**

Learn emergency first aid, analyze different types of emergency situations, transport patients, etc. Gain Leadership skills developed through HOSA participation. Upon successful completion of the EMS, First Responder, students will be qualified to take the state certification exam. *Job Opportunities:* EMT-B

## Graphic and Web Design

**One or two years, 2 or 3 hours per day**

**Dual Credit:** Ivy Tech (6 credits) VISC 102\*, VISC 115\*

**ATTENTION, this class is only for students who want to have fun while they learn and who are considering pursuing art as a career.** Graphic & Web Design is the place to start for a future in any type of graphic or web career. Many companies seek designers that not only possess graphic design skills but who can also create websites. Whether a beginner or experienced in computer design, students who enjoy drawing or creating computer art will find this class rewarding.

**No previous computer design or coding experience is necessary.** Throughout the year students will build a portfolio for college and work placement. Monthly college and industry guest speakers visit and share up to date information. Students will design advertising and promotional materials including logos, corporate identity packages, T-shirts, CD booklets, menus, cereal boxes, plus many other projects. Students learn layout, illustration, and computer design techniques that will enable them to use a variety of software and create their own Web pages.

Students who are serious about design, and are organized, independent works able to manage several different projects simultaneously will find this course beneficial. A strong emphasis will be placed on the development of design ideas, problem solving skills, client projects and presentation; along with memorization and note-taking skills. Every project you do will be skill based and help you build your portfolio and teach you industry standards. *Job Opportunities:* Graphic Designer, Advertising, Freelance Artist, Illustrator, Web Designer, Web Developer

## Health Care Careers, CNA Prep

**One year, 3 hours per day**

**Dual Credit:** Ivy Tech (8 credits) HLHS 100, HLHS 107

**Certifications:** Certified Nursing Assistant (CAN) BLS, CPR, AED

**Social Security Number required for background check and clinical experience**

This program prepares students for a nursing assistant position in health care facilities and also provides an exploration of the various careers in the health care industry. Students will gain leadership skills developed through HOSA participation. Students can earn a CNA certificate if qualifying test is passed.

*Job Opportunities:* Hospitals, nursing homes

## Health Career Exploration:

**1 year, 2 hours per day | Recommended Grade Level: Grades 10, 11**

**Dual Credit:** Ivy Tech (6 credits) HLHS 100 & 101

Learn skills related to a range of health career topics: patient nursing care, vital signs, dental care, animal care, medical laboratory, public health, an introduction to health care systems, anatomy, physiology, and medical terminology. Gain leadership skills developed through HOSA participation. Participate in lab experiences related to your career objectives. Job preparation and completion of the application process for admission into a post-secondary program of your choice are also included in this course.

## Law Enforcement

**One or two years, 3 hours per day**

**Dual Credit:** Vincennes (12 credits) LAWE 100, LAWE 150, LAWE 160

**Certifications:** CPR, AED, Hazard Materials, Basic First Aid, National Incident Mgt.

This class is designed to provide the knowledge and skills necessary to enter the criminal justice field. Students will study the basic fundamentals of the criminal justice system and how they apply in today's society. The program consists of hands-on activities and requires the ability to participate in physical fitness activities. *Job Opportunities:* Law Enforcement Officer, Crime Scene Investigations, Corrections & Parole

## Medical Assisting

**One year, 2 or 3 hours per day**

**Dual Credit:** Ivy Tech (3 credits) HLHS 100

**Certifications:** AHA BLS for Healthcare Providers

Explore health related disciplines and learn associated entry level skills for the medical office. Learn to assist in the performance of diagnostic procedures and physical examinations. Gain Leadership skills developed through HOSA participation. Successful completion will result in CPR certification. Students will experience classroom instruction and practical hands-on experience in an actual medical facility if they choose the 3 hour option. Personal transportation to clinical site is REQUIRED for the 3 hour option.

## Music/Sound Production

**One or two years, 2 hours per day**

**Dual Credit:** Vincennes (7 credits) MCOM 102, MDIA 120

**Certifications:** Avid Audio/Music Pro Tools

This class combines the skills of digital audio recording and mixing with a student's love for music. Students will have an opportunity to help create music and mixes with instruments and software currently used in the recording industry. Students will also learn techniques for engineering and mixing live music performances. Projects will help students acquire skills in music composition, sound editing, sound mixing, and movie soundtrack creation. The class will organize, market, and produce a live concert as a semester project. Students will also have an opportunity to perform on WJEL radio as a personality or musician.

## Pharmacy Technology

One year program, 3 hours per day

Dual Credit: Ivy Tech (3 credits) HIMT 110\*

Student must be 18, pass a Criminal Background Check, drug screening, and provide their own transportation to participate in clinical opportunities.

Thinking about a career in medicine? Successful completion of this 2 semester program will provide the necessary tools to become a Pharmacy Technician and assist licensed Pharmacists in providing medication to patients. Knowledge about medications and their uses is a great stepping stone to post-secondary schooling in all medical fields. Topics include: therapeutic uses of medications, drug classifications, pharmacy language and sig codes, dosage calculations, law and ethics, purchasing, inventory control, and record keeping. Hands-on labs include: data entry, reading and filling prescriptions in retail and inpatient settings, inventory practices, sterile procedures, and compounding. Students will gain leadership and employability skills through HOSA participation.

## Veterinary Assisting

One or two years, 3 hours per day | Prerequisite: Biology or Enrolled in Biology

High School Science credit possible—see your Counselor

Dual Credit: Ivy Tech (3 credits) HLHS 101

Students will be introduced to the science and art of providing professional support to veterinarians. Students will be instructed in basic anatomy and physiology, medical terminology, and veterinary technician assisting skills. Students will gain leadership skills developed through HOSA participation. Students must have their own transportation. Students will have the option to earn an Advanced Life Science: Animals credit. Job Opportunities: Veterinary Assistant, Zoos, etc.

## Welding

One or two years, 2 or 3 hours per day

Dual Credit: Ivy Tech (1st year, 3 credits) WELD 108 Certifications: American Welding Society, AWS SENSE (2nd year, 3 credits) WELD 207, WELD 208

This class is designed to develop skills in stick, mig, and tig welding. Students will also use plasma arc cutters and band/cutoff saws. Job Opportunities: Welding Shops, Manufacturing Plants

## Work-Based Learning (WBL), Multiple Pathways

Prerequisite: Juniors & seniors only.

Earn high school credits while you gain real-world work experience.

Students have the opportunity to apply the concepts, skills, and dispositions learned in CTE pathways coursework to real-world business and industry settings. Current career-related employment required. Reliable and valid transportation required.

## Dual Credit Classes

### College Credit for JEL Courses

Enrollment in some of our courses offers an opportunity for students to receive college credit as well as high school credit. This will save time and money because you won't have to take these classes in college. Dual credit is dependent upon successful completion of the course and typically require the student earn at least a "B" grade for each semester. Courses marked with \*, require students to pass Accuplacer, an entrance test.

*Check with program instructors for specific dual credit information.*

### Cost of dual credit classes:

Ivy Tech: No charge.

Vincennes University: Varies from no charge to \$25 per credit hour

## Career Technical Education (CTE) & Youth Organizations

Career and Technical Student Organizations, commonly referred to as CTSOs, are youth organizations designed to support students in career and technical education (CTE) programs. Career and technical education prepares high school graduates for the next step, whether it is postsecondary education or entry into the workforce.

Rigorous academic content tied to technical subject matter, as well as internships and other cooperative work experiences, are hallmarks of CTE programs. Through these co-curricular programs of study, students get a head start on their career preparation, whether their goal is to become a teacher, doctor, automotive technician, or computer programmer.

CTSOs are considered an integral part of CTE; they help students develop the technical and leadership skills that will enable them to succeed in their career paths.

The following youth organizations are a co-curricular part of every program at JELCC

