

J. Everett Light Career Center

Visit our website for more information: www.jelcc.com

Advanced Manufacturing Technology

One or two years, 3 hours a day
Prerequisite: Algebra 1 or higher

Robotics, machining, CNC Machining, 3D Printing and more. Advanced Manufacturing Technology is designed to prepare students for the modern manufacturing environment. This program will prepare students for employment with companies that have implemented team oriented design, production, quality, and maintenance systems within the manufacturing environment.

Animation/Film Production

One or two years, 2 hours per day

Do you love making and watching movies? Are you interested in learning to create basic animations? Then, this 2-hour class is for you. We will go behind the scenes of film and animation to learn how the professionals work. We will write, shoot, and edit short animations and films. The class uses the same software that the pros use to create those blockbuster films you love. Our facility has 15 audio/video edit bays and a fully equipped TV studio with a green screen. When you complete this course, you will be ready for an entry-level career in the Film/TV industry, or you can take your skills and expand on them in college.

Automotive Collision Repair Technology

One or two years, 3 hours per day

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 year, 2 or 3 hours per day

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.

Automotive Service Technology

One or two years, 3 hours per day

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.

Barbering

Two years, 4 hours per day (3 credits per semester)

Students can qualify for the Indiana State examination with the completion of this 1500 hour course. Theory and practice of hair styling, shaving, facial massage and coloring are some of the areas covered in this class. Students may need to provide their own transportation to the site.

Computer Repair

One or two years, 2 or 3 hours per day

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 (3 credits per semester)

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

Students will spend the first year learning all the basics of cooking and the second year concentrating on such areas as international foods, baking and pastry, entrepreneurship, and lodging management. Students will have the opportunity to work in our restaurant. All students will have the opportunity to be Serv-Safe certified.

Dental Assisting (Chairside/Lab)

One or two years, 3 hours per day

Do you notice people's smiles? Do you want to be a part of a career that helps put smiles on people? 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. 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

Media is everywhere! Movies, music, television, YouTube, and more! This class takes you inside all aspects of digital audio and digital video production. The student will acquire skills while making short films, music videos, DJing on WJEL 89.3, and producing other creative projects. Students will edit video, audio, and animations while working with current software used in radio, television, and film. Students will also be given opportunities to create music mixes, YouTube videos, and be involved in radio sportscasting or newscasting. Facilities are college-level and include 11 radio studios, 18 video edit bays, a fully equipped TV studio, and WJEL radio.

Early Childhood Education

One or two years, 3 hours per day

Recommended Prerequisite: Child Development or Advanced Child Development

Students will develop a working knowledge of licensing regulations, nutrition, health, safety, and sanitation. In addition, they will learn to plan, develop, teach, and supervise activities enhancing the pre-school age child's physical, emotional, social, and intellectual development. Students will obtain hands on experience by volunteering in our on-site licensed child care center and participating in a yearly internship at a local child care center or elementary school. Second year students will work towards the CDA (Child Development Associate). IVY Tech dual credit is offered.

EMS, First Responder

One semester, 3 hours per day

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 November 1.

Topics studied include: emergency first aid, analyzing different types of emergency situations, transporting patients, etc. Upon successful completion of this class, students will be qualified to take the state certification exam. *Job Opportunities:* EMT-B

Health Care Careers

One year, 3 hours per day

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 can earn a CNA certificate if qualifying test is passed. *Job Opportunities:* Hospitals, nursing homes

Introduction to Pharmacology

One year, 3 hours

Successful completion of introduction to pharmacology will provide students the necessary tools to pursue a career in pharmacy tech or post-secondary education in pharmacy. Principles of pharmacology and therapeutic uses of drugs will be introduced. Basic drug dosage calculation, drug classification terminology and examples of drugs from various classifications are covered. Emphasis is placed on the action and therapeutic use of various drug classifications.

Law Enforcement

One or two years, 3 hours per day

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

Manicuring Program (Nail Tech)

1 year, 4 hours per day (3 credits per semester), 450 Clock hours

Do you have a love for nails? Are you creative? Then, the nail tech program may be just what you're looking for! Students will take the state license exam as part of graduating from this 450 hour program. Theory and practice of manicures, pedicures, sculptured nails, and overlays are just some of the areas covered in this program. An Indiana State License may be obtained after graduation once the student reaches the age of 18.

Medical Assisting

One year, 2 or 3 hours per day

Students will explore health related disciplines and learn associated entry level skills. Students will learn to assist in the performance of diagnostic procedures and physical examinations. 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

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.

Veterinary Assisting

One or two years, 3 hours per day

Prerequisite: Biology or Enrolled in Biology

High School Science credit possible—see your Counselor

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 must have their own transportation. Students will have the option to earn an Advanced Life Science: Animals credit. *Job Opportunities:* Veterinary Assistant, Zoos, etc.

Visual Design and Advertising

One or two years, 2 or 3 hours

Students will learn how to produce a design from the conception to the finished, printed piece. A wide range of design projects will cover many skills and competencies that the industry requires, such as logos, business cards, CD booklets, calendar, self-portrait, and many of others. Every project will be critiqued and graded, giving students ideas and suggestions for improvement so that they have an opportunity to build on their skill set and produce a professional and diverse portfolio of work before the end of the year. This program is designed to help train students for a career in art. Students will learn the fundamentals of graphic design software like Illustrator, Photoshop and InDesign. Students will learn art & printing terminology, typography, principals of design, color theory, and communication skills. A strong emphasis will be placed on development of ideas, problem-solving skills, and client presentations. *Job Opportunities:* Graphic Designer, Advertising, Freelance Artist

Web Design

One or two years, 2 or 3 hours

This class will teach students not just how to code but how to design functional well-developed websites. The course will introduce students to many design aspects such as drawing; color theory, typography, and design principles along with many software programs that will enhance their design abilities. A wide range of design projects will cover many skills and competencies that the industry requires, such as logos, business cards, digital design, and web page building. Every project will be critiqued and graded, giving students ideas and suggestions for improvement so that they have an opportunity to build on their skill set and produce a professional and diverse portfolio of work before the end of the year. This program is designed to help train you for a career in web design, teaching you the fundamentals of graphic design software like Illustrator, Photoshop and InDesign along with HTML and CSS, utilizing Dreamweaver to build fully functional websites. A heavy emphasis will be placed on development of ideas, problem-solving skills, and client presentations. Students will have to have strong note taking, and memorization skills. *Job Opportunities:* Web Designer; Graphic Designer; Freelance Artist

Welding

One or two years, 2 or 3 hours per day

No prerequisite

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. Previous Career-Technical class credit highly recommended.

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

Dual Credit

Are you interested in earning college credit? Most JELCC programs provide an opportunity for students to earn dual credit.

Ask your counselor for details.