

# Patoka Valley CTE Cooperative

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## Patoka Valley Cooperative Program Information

### **Health Science 1 (HOSA) 5282**

Location: VUJ Campus

Class time: 8:00-9:45. 10:50 - A Lunch, 1:15-3:00

Credits per semester: 3

Description: extended laboratory experience at the student's choice of clinical sites designed to provide students the opportunity to shadow healthcare professionals. Students will learn in the classroom, including information on the health care system and employment opportunities at a variety of entry levels, an overview of the health care delivery systems, health care teams and legal and ethical considerations. It prepares students with the knowledge, skills and attitudes essential for providing basic care in extended care facilities, hospitals and home health agencies under the direction of licensed nurses. These knowledge and skills include recording patient medical histories and symptoms, providing medicine and treatments, consulting doctors, operating and monitoring medical equipment, witnessing first hand the jobs/roles of providers by allowing students to select rotations in seven different areas of their choosing. This course also provides students with the knowledge, attitudes, and skills needed to make the transition from school to advance in their future medical careers, including self analysis to aid in career selection, job seeking and job maintenance skills, personal management skills, and completion of the application process for admission into a post secondary program.

Dual Credit: IVY Tech may be subject to change to VU

Prerequisites/Requirements for application: (recommended) BioMed classes, A and P, AP Bio

Occupations/Job Placements: Any medical related career

### **Health Science (Pharmacy) - within HOSA 5282**

Location: VUJ Campus

Class time: 1:15 - 3:00

Credits per semester: 3

Description: 2 student max taken per year. Student that is confident in pursuing a career in Pharmacy.

Dual Credit: IVY Tech may be subject to change to VU

Prerequisites/Requirements for application: (recommended) BioMed classes, Strong Chem student.

Occupations/Job Placements: Pharmacy

### **Health Science 1 CNA- 5282**

Location: VUJ Campus

Class time: 8:00-9:45.

Credits per semester: 3 credits per semester

Description: The certified nurse aide (CNA) program at Jasper High School, a partnership with Memorial Hospital and Healthcare Center, is a fall semester class and clinical rotations. A minimum of 30 hours in the classroom and 75 hours in clinical setting must be done in the fall semester. After these requirements have been fulfilled with a passing grade, students will have the opportunity to set for the exam, becoming a certified nursing assistant, authorizing a student to work in this capacity in a healthcare facility. Becoming a CNA will provide great working experience for students desiring to pursue a career in healthcare and/or nursing.

\*After completion of the CNA program and successful achievement of the certification exam, students have the opportunity to enter a work-based learning option, in the spring semester.

Dual Credit: anticipated for credits Fall 2020

Prerequisites/Requirements for application: keen interest in healthcare, and strong interpersonal skills/ criminal background check, health physical, PPD, and influenza vaccine.

Occupations/ Job Placement: CNA, Nursing

### **Online Med Terms- 5274**

Location: Google Classroom

Class time: Varies depending on student schedule

Credits per semester: 1

Description: **MEDICAL TERMINOLOGY (ONLINE ONLY):** This course is offered online only for those with a strong desire to learn about the language of health care professionals. This course builds skills in pronunciation, spelling (with 100% accuracy), and defining new words encountered in verbal and/or written information. Medical terms and abbreviations, pathology, pharmacology, diagnosis and treatment options will be taught using a body systems approach. Students **must** have time management skills, a strong work ethic and strong study skills, be intrinsically motivated all while working in an independent learning environment. Time dedicated **DAILY** must be **1.5 hours** minimum to achieve success. Students will be held to a college course standard. Grades will consist of exams and research projects only.

Dual Credit: IVY Tech

Prerequisites/Requirements for application: must be a **HOSA student**

Occupations/ Job Placement: Any medical related career.

### **EMS/EMT - 5210**

Location: VUJC Classroom Building, Memorial Hospital

Class time: 8:00-9:45

Credits Per Semester: 3

Description: This course is designed for individuals desiring to perform emergency medical care. Students will learn to recognize the seriousness of the patient's condition, use the appropriate emergency care techniques and equipment to stabilize the patient, and transport to the hospital. Students meeting appropriate standards will be eligible for certified by the National Registry of EMTs and the State of Indiana as Emergency Medical Technicians. This class also provides an opportunity for a great variety of experiences into the healthcare world. There is classroom, skills lab, computer lab and a clinical component required.

Dual Credit: VU EMTB212

Prerequisites/Requirements for application: None

Occupations/Job Placements: Memorial Hospital Emergency Medical Services

### **IT Support 1 - 5230**

Location: VUJ CTIM building

Class time: 8:00-9:45

Credits per semester: 3

Description: Students will learn how to support and maintain many different technology devices and prepare students for a computer certification that will benefit them in multiple career choices. Technology is a part of our lives, and is embedded in almost every career path. This class will prepare students to be comfortable addressing technology issues that might arise in everyday use of technology. The students leave this course able to troubleshoot general technology issues and resolve many of those issues. Hands on activities, such as building computers, repairing printers, soldering, and using numerous testing tools, gives the students real experiences to carry them into future careers.

Dual Credit: VU CMET 140 (3 credits) and CMET 185(2 credits) - CompTIA A+ Certification may be attained; fee associated for the certification; CMET 195(1credit) if the A+ test is taken

Prerequisites/Requirements for application: None

Occupations/Job Placements: All careers relating to Computer Repair and Support

### **IT Support 2 - 5231**

Location: VUJ CTIM building

Class time: 8:00-9:45

Credits per semester: 3

Description: Students will be placed at a business in the Information Technology department utilizing skills developed in IT Support 1.

Dual Credit: none

Prerequisites/Requirements for application: IT Support 1

Occupations/Job Placements: All careers relating to Computer Repair and Support

### **Construction Trades 1- 5580**

Location: VUJ CTIM Building.

Class time: 8:00 - 9:45 EST

Credits per semester: 3

Description: Students will meet at VUJC 5 days per week for instruction to earn a VU dual credit. Students will complete labs, visit construction sites, while completing all aspects of the building process.

Dual Credit: VU CONST 120, 105, 105 LAB, 261, ARCH 102. 12 Total

Prerequisites/Requirements for application: None

Occupations/Job Placements: All careers relating to construction.

### **Construction Trades 2- 5578**

Location: VUJ CTIM Building. Build a new home

Class time: 1:15-3:00

Credits per semester: 3

Description: Students will meet at VUJC 1 time per week for instruction to earn a VU dual credit. Students will be at the new home build site 4 days per week. Students will complete all aspects of the building process. Students will complete an internship with a local contractor after completing a Habitat for Humanity house.

Dual Credit: VU CONST 100, 155, 155 LAB, 270, 270 LAB, 160, 160 LAB. 13 Total

Prerequisites/Requirements for application: Construction Trades 1

Occupations/Job Placements: All careers relating to construction.

### **Automation and Robotics 1-5610**

Location: VUJ CTIM Building. Internship site

Class time: 8:00 - 9:45 EST

Credits per semester: 3

Description: Students will attend VUJ 3 days per week and a paid internship 2 days per week. The classroom experience will focus on an introduction to manufacturing, Industrial Maintenance, Fluid Powers and Pneumatics, Industrial Automation, and Robotics.

Dual Credit: VU CIMT 201 Concepts of Fluid Powers, VU MFNG 130 Intro to Adv. Manuf., VU CIMT 220 Concepts of Industrial Automation

Prerequisites/Requirements for application: None

Occupations/Job Placements: All careers relating to manufacturing and automation.

### **Automation and Robotics 2 -5612**

Location: VUJ CTIM Building. Internship site

Class time: 1:15-3:00 EST

Credits per semester: 3

Description: Students will attend VUJ 3 days per week and a paid internship 2 days per week. The classroom experience will focus on the theory and application of basic electronic components used in AC, DC and digital electronic circuits. Topics will include circuit analysis, measurements, and troubleshooting. Students will also learn the operation and programming of a programmable logic controller (PLC). Laboratory experiences include creating ladder logic programs and using them to troubleshoot automation equipment.

Dual Credit: CIMT 110 Electronics in Automation, CIMT 110 Lab, CIMT 202 Concepts of PLC

Prerequisites/Requirements for application: ARA 1

Occupations/Job Placements: All careers relating to manufacturing and automation.

### **Aviation Operations - 5528 (11th Graders)**

#### **Aviation Flight - 5524 (12 Graders)**

Location: Huntingburg Airport

Class time: TBA. 8:00-9:30 or 1:30-3:00

Credits Per Semester: 3

Description: Students will be in class 2- 3 days per week earning VU Credit in Intro to Aviation and Air Transportation. This course will focus on providing a broad-based introduction to the aviation industry. Course activities include: familiarization with the Department of Aviation, technology in aviation, historic overview of the field of aviation, overview of the current aviation environment, careers and employment opportunities in aviation, including discussions relative to aircraft manufacturing, airline operations, general aviation, air freight, airport management, government service. In addition, this course will provide an introduction to areas of aviation safety, human factors, regulations, and certifications.

Dual Credit: VU AMNT 100 Intro to Aviation, VU AFLT 258 Air Transportation

Prerequisites/Requirements for application: 11 and 12 grade

Occupations/Job Placements: Pilot, Aviation Operations, Air Traffic Controllers, Aircraft Dispatch

### **Fire Science- 5820**

Location: Otwell Learning Center

Class time: 8:20-10:00

Credits Per Semester: 3

Description: Students will earn VU credits related to fire safety. The classroom will include coursework as well as labwork. The instructor will be a certified fire instructor which will allow students to complete the Fire Safety Exam. This program will partner with local fire departments to conduct training exercises.

Dual Credits: VU TBA

Prerequisites/Requirements for application: None

Occupations/Job Placements: Fireman

### **Welding 1- 5776**

Location: Pike Central High School

Class time: 8:20-10:45 M-F

Credits per semester: 3 (6 per year)

Description: Welding 1 is a one-year course for 11<sup>th</sup> grade students. The class meets three hours per day. Students gain experience and knowledge in the following processes using the A.W.S. Entry-level Welder Training Program:

1. Shielded Metal Arc Welding (S.M.A.W.)
2. Gas Metal Arc Welding (G.M.A.W. or M.I.G.)
3. Flux Core Arc Welding (F.C.A.W.)
4. Gas Tungsten Arc Welding (G.T.A.W. or T.I.G.)
5. Oxy-Acetylene Welding and Cutting (O.A.W. and O.F.C.-A)
6. Brazing
7. Air Carbon Arc Cutting
8. Plasma Arc Cutting
9. Blueprint Reading and Weld Symbols

Dual Credit: None

Prerequisites/Requirements for application: None

Occupations/Job Placements: Entry-level welder upon completion of high school or continue education at a post-secondary institution. Examples of current employers of former students follow: Jasper Engines; Toyota; Onyett Fabrication; Four Star Fabricators; Peabody Coal; Highway Machine; Sisson Steel; and Apprenticeship Programs with Boilermakers, Pipe Fitters, and Ironworkers to become journeyman union craftsmen.

### **Welding 2- 5778**

Location: Pike Central High School

Class time: 12:50-3:15

Credits Per Semester: 3 (6 per year)

Description: Welding 2 is a one-year course for 12<sup>th</sup> grade students. The class meets three hours per day. Students gain additional experience and knowledge in the following processes using the A.W.S. Entry-level Welder Training Program:

1. Shielded Metal Arc Welding (S.M.A.W.)
2. Gas Metal Arc Welding (G.M.A.W. or M.I.G.)

3. Flux Core Arc Welding (F.C.A.W.)
4. Gas Tungsten Arc Welding (G.T.A.W. or T.I.G.)
5. Oxy-Acetylene Welding and Cutting (O.A.W. and O.F.C.-A)
6. Brazing
7. Air Carbon Arc Cutting
8. Plasma Arc Cutting
9. Blueprint Reading and Weld Symbols

Dual Credit: 12 hours - Ivy Tech: WELD 100 Welding Processes, WELD 108 Shielded Metal Arc Welding, WELD 207 Gas Metal Arc Welding, INDT 114 Introductory Welding

Prerequisites/Requirements for application: Welding 1

Occupations/Job Placements: Entry-level welder upon completion of high school or continue education at a post-secondary institution. Examples of current employers of former students follow: Jasper Engines; Toyota; Onyett Fabrication; Four Star Fabricators; Peabody Coal; Highway Machine; Sisson Steel; and Apprenticeship Programs with Boilermakers, Pipe Fitters, and Ironworkers to become journeyman union craftsmen.

### **Precision Machining 1- 5782**

Location: Pike Central High School

Class time: 8:20-10:45

Credits Per Semester: 3

Description: Introduction to manual machining using manual mills, lathes, surface grinders, drill presses, and saws. Blueprint reading, metallurgy, shop math, and safety incorporated into curriculum. Students machine basic machinist tools.

Dual Credit: VU PMTD 110/110L Manufacturing Processes and PMTD 120 General Machines.

Prerequisites/Requirements for application: None

Occupations/Job Placements: Entry level machining position after high school, or continuing education at a post-secondary institution. Jasper Engines, Ridetech, Loughmiller Son-Flow Machine, Toyota, North American Lighting, R & L Machine

### **Precision Machining 2- 5784**

Location: Pike Central High School

Class time: 12:50-3:15

Credits Per Semester: 3

Description: Continuation of Precision Machining I, along with the introduction of basic CNC manual programming and machine set-up.

Dual Credit: Vincennes University PMTD 115 CNC Set-up & Operations, PMTD 116 Introduction to CNC Programming, and PMTD 105 Understanding Industrial Blueprints

Prerequisites/Requirements for application: Prec. Machining 1.

Occupations/Job Placements: Entry level machining or CNC position after high school or continue education at a post-secondary institution. Jasper Engines, Ridetech, Loughmiller, Son-Flow Machine, Toyota, Onyett Fabrication, Toyota, North American Lighting, R & L Machine

### **Criminal Justice 1 and 2- 5822/5824**

Location: Pike Central High School

Class time: 8:20 - 9:05 M-F

Credits Per Semester: 1

Description: Two year program of 4 classes divided by semester. Survey of Criminal Justice, Basic Police Procedures, Criminal Minds and Deviant Behavior and Ethics and Professionalism in Law Enforcement.

Dual Credit: V.U. : LAWE 100, 101, 145 and 150

Prerequisites/Requirements for application: none

Occupations/Job Placements: Law Enforcement, Corrections, Conservation Law Enforcement, Pre- Law. Pike County Sheriff's Office, Petersburg Police Department. The student may have the opportunity for work-based learning, which

may include job shadowing, internships, and other real life experiences that allow students to observe and learn from law enforcement professionals.

### **Automotive Technology 1 - 5510**

Location: Southridge High School

Class time: 8:10 - 10:35

Credits Per Semester: 3

Description: Students use classroom to prepare for ASE Student certification exam. Much of program is used in the lab setting. Auto 1 will focus on general automotive services and braking systems.

Dual Credit: Ivy Tech AUTI 100 Basic automotive service, AUTI 121 automotive brake systems, AUTI 111 electrical National Certification on Multi-Meters, Snap-on Scanners provided by NC3 testing centers

Prerequisites/Requirements for application: none

Occupations/Job Placements: Ruxer, Sternbergs, Uebelhor and Sons

### **Automotive Technology 2 - 5546**

Location: Southridge High School

Class time: 12:50 - 3:15

Credits Per Semester: 3

Description: Students use classroom to prepare for ASE Student certification exam. Much of program is used in the lab setting. Auto 2 will focus on steering and suspension, engine performance, and driveline service.

Dual Credit: Ivy Tech AUTI 122 Steering & Suspension, AUTI 131 Engine Performance, AUTI 145 Driveline Service

Prerequisites/Requirements for application: Automotive Tech 1

Occupations/Job Placements: Ruxer, Sternbergs, Uebelhor and Sons

### **Culinary Arts- 5440**

Location: NE Dubois

Class time: 8:00-9:45

Credits Per Semester: 3

Description: Students will learn ServSafe and have the potential to get the certification. They will be First Aid and CPR certified. Students will learn customer relations through catering and selling their creations from class. They will also learn cooking methods and skills needed to work in the culinary and hospitality field.

Dual Credit: Ivy Tech- HOSP 101

Prerequisites/Requirements for application: none

Occupations/Job Placements:

### **Ed. Professions I & II- 5408, 5404**

Location: Instructor from NE Dubois. Placements will be from the students home school corporation

Class time: Varies depending on student schedule

Credits Per Semester: 3

Description: This course prepares students for employment in education and related careers and provides the foundation for study in higher education that leads to teaching and other education-related careers. Students will participate in online- Google Classroom- videos, discussions, and projects. They will travel to their elementary or middle school placement for two periods a day, everyday of the week, for intensive laboratory or field experiences in one or more classroom settings, resumes, and career portfolios are required components. Education Professions II can be taken after completing Education Professions 1. Education Professions II continues to prepare students for employment in education and related careers and provides the foundation for study in higher education that leads to teaching and other education-related careers.

Dual Credit: none

Prerequisites/Requirements for application: Interview in March/April of the previous year.

Occupations/Job Placements: Teacher

### **Cooperative Education (ICE) -- Dubois County- 6162**

Location: Approved ICE Worksite

Class time: Typically periods 5,6,7

Credits Per Semester: 3

Description: ICE is a senior level course designed to provide a valuable work-based learning experience in pathways offered to students at their school. The course consists of on the job work and a classroom portion. The ICE instructor teaches a variety of career success skills for the classroom portion. Much of the classroom instruction is delivered on-line thus students are not required to be in class every day. Students are required to work in a paid job a minimum of 15 hours per week; the course will be three periods per day. Work hours are typically during the school day, however other arrangements may be made depending on circumstances. Students will be required to complete an application prior to the beginning of class. The purpose of the application is to ensure that the student is in good standing in other classes required for graduation. Also the student must not have a record of discipline issues at school. A student currently working may have that job approved by the instructor if the job holds the rigor of the intent of this course. The job should provide new and relevant experiences helping to prepare the student for related careers following high school. Personal transportation and a work permit are required.

Dual Credit: No

Prerequisites/Requirements for application:

- High School Senior
- 90% attendance rate (missed fewer than 18 days junior year)
- Not have a history if behavior concerns that would make an employer question the students character and or ability to be a productive employee. (Examples include cases of excessive insubordination, fighting, written referrals by school personnel, etc.)
- Have a reliable means of transportation.
- Have a strong work ethic, strong communication skills, and a desire to learn.
- Students should be on track for graduation.

Occupations/Job Placements: Varies

### **Work Based Learning (Internship) -- Dubois County- 5974**

Location: Internship Site

Class time: Periods 1,2 or 6,7

Credits Per Semester: 2

Description: The Work Based Learning Program is a course of work experience in which the student is provided an opportunity to experience a variety of job related activities that are associated within a specific career. Work Based Learning recognizes that classroom learning provides only part of the skills and knowledge students need to succeed in college or a career. By creating opportunities to learn in the workplace, students are provided work experiences that allow them to explore or ensure their college or career choice is the right one for them. As the student completes his or her job shadow, hands on, and work experiences they will be under the supervision of the internship coordinator. The internship coordinator will work closely with the professional or master craftsman to make sure that the school, the student, and internship provider is carrying out all responsibilities of the internship. Students will be required to complete an application prior to the beginning of class. The purpose of the application is to ensure that the student is in good standing in other classes required for graduation and that prior classes relate to the student's internship choice. Internships typically are not paid. Note that students pursuing experiences in the medical field should do so through the Health Occupations class, students in Professional Career Internship will not be placed in medical training stations.

Dual Credit: No

Prerequisites/Requirements for application:

- High School Senior
- 95% attendance rate (missed fewer than 9 days junior year)
- Have a cumulative GPA of 2.5 on a 4.0 scale. Jasper students need at least a 3.0 or higher with the weighted scale.
- Have a reliable means of transportation.
- Have a strong work ethic, strong communication skills, and a desire to learn.
- Students interested in taking Internship should have completed 1 advanced CTE Course in a pathway related to their requested internship discipline.

Occupations/Job Placements: Varies *\*Students interested in medical careers must take Health Science.*

### **Health Science 1- 5282**

Location: Wood Memorial

Class time: 12:47 - 2:21 CST

Credits Per Semester: 2

Description: Health Science Education is a rich content area that integrates academics with specific health science technology and education courses with a variety of problem-based and work-based learning opportunities. Work-based learning includes job shadowing and a partnership with Gibson General Hospital that allows students to observe and learn from health care professionals.

Dual Credit: Ivy Tech, HLHS 100, Introduction to Health Careers, 3 Credit Hours

Prerequisites/Requirements for application: None

Occupations/Job Placements: The student may have the opportunity for work-based learning, which may include job shadowing, internships, and other clinical experiences that allow students to observe and learn from healthcare professionals.

### **Health Science 1- 5282**

Location: Tell City High School

Class time: 9:45am - 10:30am

Credits Per Semester: 1

Description: Health Science Education I is a course designed to provide a foundation of skills development to specific health careers including; patient care, nursing care, dental care, animal care, medical laboratory, and public health. Students will also receive an introduction to healthcare systems, anatomy, physiology, and medical terminology. Laboratory experiences with industry applications are organized and planned around the activities associated with the student's career objectives. Job seeking and job maintenance skills, personal management skills, self-analysis to aid in career selection and completion of the application process for admission into a postsecondary program of their choice are also included in this course. Participation in HOSA encourages the development of leadership, communication and career related skills, and opportunities for community service.

Dual Credit: Ivy Tech, HLHS 100, Introduction to Health Careers, 3 Credit Hours

Prerequisites/Requirements for application: None

Occupations/Job Placement: The student may have the opportunity for work-based learning, which may include job shadowing, internships, and other clinical experiences that allow students to observe and learn from healthcare professionals.

### **Health Science 2: Nursing (Certified Nursing Assistant) - 5284**

Location: Tell City High School

Class time: 8:00am - 9:40am (changes to 7:45am - 9:25am second semester), 1:30pm - 3:05pm

Credits Per Semester: 2

Description: The certified nurse aide (CNA) program at Tell City High School has a partnership with Perry County Memorial Hospital and Oakwood Health Campus in Tell City. This is a two semester class with built-in clinical rotation. A minimum of 30 hours in the classroom and 75 hours in clinical setting must be done in this time. After these requirements have been fulfilled with a passing grade both semesters, students will have the opportunity to set for the exam, becoming a certified nursing assistant, authorizing a student to work in this capacity in a healthcare facility. Becoming a CNA will provide great working experience for students desiring to pursue a career in healthcare and/or nursing.

Dual Credit: Ivy Tech, HLHS 107, 3 Credit Hours and Health Science Education 2, 5 Credit Hours

Prerequisites/Requirements for application: Health Science 1, Biology 1, and (recommended) PLTW: PBS

Occupations/Job Placements: CNA Nursing. After completion of the CNA program and successful achievement of the certification exam, students have the opportunity to enter into the Interdisciplinary Cooperative Education (ICE) program, a work-based learning option in their Senior year. Alternatively, they can enter the Work-based Learning (WBL) program, which allows for an internship at a local healthcare facility.



**Medical Terminology- 5274**

Location: Tell City High School

Class time: TBD

Credits Per Semester: 1

Description: Medical Terminology prepares students with language skills necessary for effective, independent use of health and medical reference materials. It includes the study of health and medical abbreviations, symbols, and Greek and Latin word part meanings, all taught within the context of body systems. This course builds skills in pronunciation, spelling, and defining new words encountered in verbal and written information in the healthcare industry. Students have the opportunity to acquire essential skills for accurate and logical communication, and interpretation of medical records. Emphasis is on forming a foundation of a medical vocabulary including; appropriate and accurate meaning, spelling, and pronunciation of medical terms, and abbreviations, signs, and symbols.

Dual Credit: Ivy Tech, HLHS 101, Medical Terminology, 3 Credit Hours

Prerequisites/Requirements for application: (recommended) Health Science I and/or PLTW: PBS

Occupations/Job Placements: The student may have the opportunity for work-based learning, which may include job shadowing, internships, and other clinical experiences that allow students to observe and learn from healthcare professionals.

**Construction Trades 1- 5580**

Location: Tell City High School

Class time: 8:00 am-10:30 pm and 12:55 pm-3:05 pm

Credits Per Semester: 3

Description: Introduction to Construction is a course that offers hands-on activities and real world experiences related to the skills essential in residential, commercial and civil building construction. The student will also learn and apply knowledge of the care and safe use of hand and power tools as related to each trade. In addition, students are introduced to blueprint reading, applied math, basic tools and equipment, and safety demonstrating building construction techniques, including concrete and masonry, framing, electrical, plumbing, dry walling, HVAC, and painting. In this program, students apply these skills to build a new construction house from the ground up.

Dual Credit: Ivy Tech BCOT 100 Introduction to Construction Technology, 3 Credit Hours, BCOT 101 Introduction to Carpentry, 3 Credit Hours

Prerequisites/Requirements for application: None

Occupations/Job Placements: All careers related to construction

**Construction Trades 2- 5578**

Location: Tell City High School

Class time: 8:00 am-10:30 pm and 12:55 pm-3:05 pm

Credits Per Semester: 3

Description: Construction Trades II builds on the formation, installation, maintenance, and repair skills learned in Construction Trades I. Students will develop basic knowledge, skills, and awareness of interior trim and the installation of drywall, moldings, interior doors, kitchen cabinets, and baseboard moldings. Students will also develop exterior finishing competencies. The course includes instruction on the installation of cornices, windows, doors and various types of sidings currently used in industry. Studies will also focus on the design and construction of roof systems and the use of framing squares for traditional rafter and truss roofing.

Dual Credit: BCOT 102 Introduction to Carpentry, Part 2, 3 Credit Hours

Prerequisites/Requirements for application: Construction Trades I

Occupations/Job Placements: All careers related to construction

**Welding Technology 1 and 2 - 5776, 5778**

Location: Tell City Ivy Tech

Class time: Weekday 5:30 pm - 10:20 pm

Credits Per Semester: 1 (successive semesters)

Description: Welding Technology includes classroom and laboratory experiences that develop a variety of skills in oxy-fuel cutting and Shielded Metal Arc welding. OSHA standards and guidelines endorsed by the American Welding Society (AWS) are used. Instructional activities emphasize properties of metals, safety issues, blueprint reading,

electrical principles, welding symbols, and mechanical drawing through projects and exercises that teach students how to weld and be prepared for college and career success.

Dual Credits: 3 Credit Courses- WELD 108 Shielded Metal Arch Welding I, WELD 206 Shielded Metal Arch, WELD 208 Gas Tungsten Arch Welding Welding II, WELD 273 Adv. Gas Tungsten Arch Welding

Certification: American Welding Society

Prerequisites/Requirements for application: None

Occupations/Job Placements: Welder, Technician, Sales, Designer, Researcher or Engineer

### **Radio and TV- 5986**

Location: Tell City High School

Class time: 8:00 am-8:50 am, 8:55 am-9:40 am (may be taken as one or two periods)

Credits Per Semester: 1 credit per period

Description: Radio and Television I focuses on production, programming and equipment operation. Students will develop oral and written communication skills, acquire software and equipment operation abilities, and integrate teamwork skills. Instructional strategies may include a hands-on school-based enterprise, real and/or simulated occupational experiences, job shadowing, field trips, and internships.

Dual Credit: None

Prerequisites/Requirements for application: None

Occupations/Job Placements: television production, programming, promotion and sales

### **Culinary Arts 1-5440**

Location: Tell City High School

Class time: 8:00-9:40, 10:35-11:20, 11:25-12:10, 2:20-3:05

Credit Per Semester:

Description: Culinary Arts and Hospitality Management prepares students for occupations and higher education programs of study related to the entire spectrum of careers in the hospitality industry. This course builds a foundation that prepares students to enter the Advanced Culinary Arts or Advanced Hospitality courses. Major topics include: introduction to the hospitality industry; food safety and personal hygiene; sanitation and safety; regulations, procedures, and emergencies; basic culinary skills; culinary math; and food preparation techniques and applications. Instruction and laboratory experiences will allow students to apply principles of purchasing, storage, preparation, and service of food and food products; apply basic principles of sanitation and safety in order to maintain safe and healthy food service and hospitality environments; use and maintain related tools and equipment; and apply management principles in food service or hospitality operations. Intensive laboratory experiences with commercial applications are a required component of this course of study. Student laboratory experiences may be either school-based or "on-the-job" or a combination of the two. Work-based experiences in the food industry are strongly encouraged. A standards-based plan guides the students' laboratory experiences. Students are monitored in their laboratory experiences by the Culinary Arts teacher.

Dual Credit: Ivy Tech Hosp 101 and 102      Certification: Servsafe

Pre Req: None

Occupations/Job Placement: Any hospitality related field including restaurants, hotels, amusement parks, and cafeterias.

### **Criminal Justice I- 5822**

Location: Tell City High School

Class time: 8:55 am-9:40 am or 9:45 am-10:30 am

Credits Per Semester: 1 credit per semester

Description: Criminal Justice I provides an introduction to the three primary parts of the criminal justice system and investigative process. Activities include crime prevention efforts and the preparation of police reports. This course provides the opportunity for students to hear from speakers in the field, tour judicial facilities and practice skills performed by local law enforcement.

Dual Credit: Ivy Tech Intro to Criminology, Crim 101 3 Dual Credits

Prerequisites/Requirements for application: None

Occupations/Job Placements: related to law enforcement, homeland security, human services

**Auto Service Technology - 5510**

Location: Tell City High School

Class time: 8:00 am-10:30 am

Credit Per Semester: 3 credits

Description: Automotive Services Technology includes classroom and laboratory experiences that incorporate training in service and repair work on all types of automotive vehicles. Included in the course is training in the use of service/repair information and a variety of hand and power tools. Instruction and practice provides opportunities for students to diagnose malfunctions, disassemble units, perform parts inspections, and repair and replace parts. Course content addresses NATEF/ ASE standards leading to certification in one or more of the following areas: steering and suspension; brakes; engine performance; manual transmissions and differential; automatic transmissions; electrical systems; air conditioning; and, engine repair. Mathematical skills will be reinforced through precision measuring activities and cost estimation/calculation activities. Scientific principles taught and reinforced in this course include the study of viscosity, friction, thermal expansion, and compound solutions. Written and oral skills will also be emphasized to help students communicate with customers, colleagues, and supervisors.

Dual Credit: AUTI 100 Basic Automotive Service, AUTI 111 Electrical Systems I, AUTI 121 Braking Systems, AUTI 131 Engine Performance Systems I, AUTI 141 Engine Fundamentals & Repair

Certification: ASE, Snap On 504

Pre Req: None

Occupations/Job Placement: Automotive Service Technician, Mechanic, Automotive Body and Related Repairs, Diesel Engine Specialist