### Indiana College and Career Pathway Plan - State Model

**Cluster: Manufacturing**

**Pathway: Advanced Manufacturing**

*This is a SAMPLE plan for schools to use in planning. Course sequences and grade level in which courses are offered may vary according to school policies and resources.*

Students should enroll in Indiana Career Explorer, complete interest inventories, and investigate careers in clusters & pathways prior to or during the time they create their individual Pathway Plans.

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<thead>
<tr>
<th>Grade</th>
<th>Subject</th>
<th>CTE/ Career Pathway Courses</th>
<th>Other Elective Courses</th>
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<td>English</td>
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**State Specified Pathway Assessment:** Dual credit assessment from Ivy Tech or Vincennes University or MSSC Assessment (all 4 exams)

**Industry Recognized Certification:** MSSC

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### Integrated Technology Education Program (ITEP) at Ivy Tech Community College

ITEP is a career pathway program in industrial technology developed in partnership with area high schools and career centers, as well as local industry. Ivy Tech's Kokomo Region received $3.27 million under the federal Youth CareerConnect program to fund ITEP. It was one of 24 grants totaling $107 million awarded to programs throughout the nation as part of an effort by the United States Departments of Labor and Education to integrate education and career skills initiatives to build America's workforce.

**Program Introduction**

ITEP@IVY TECH

**High School**

Sophomores and juniors take advanced manufacturing courses during the fall and spring semesters.

Seniors take classes and are eligible for half-day internships at partner companies where they gain hands-on experience from industry leaders.

**Future**

Students can immediately enter the advanced manufacturing workforce.

Income potential increases for students who complete an associate degree or bachelor’s degree.

**Industry Partners**

- FCA
- Carter
- Red Gold
- Dilling Group
- Patriot Porcelain
- Kellam

This federal initiative is designed “to encourage America’s school districts, institutions of higher education, the workforce investment systems and their partners to integrate rigorous educational standards with work experiences and skills in ways that enhance instruction and deliver real-world learning opportunities for students.”
BUILD YOUR FUTURE IN AS LITTLE AS ONE YEAR

Technical Certificate: 30 credit hours
1 year | 2 semesters

Associate of Applied Science Degree: 60 total credit hours

Advanced Automation & Robotics Associate of Applied Science Degree: 75 total credit hours

Potential earnings:

Industrial Automation $30-35k
Industrial Electrical $40-50k
Industrial Mechanical $50k+
Logistics/Supply Chain Technology Program Process Operations Quality Assurance Welding Technology

WE’LL MEET YOU WHERE YOU ARE...
- a high school student through a dual-credit program
- an unemployed or underemployed individual seeking to add technical skills in industry
- an industry employee, a current Ivy Tech student, or a WorkOne referral

Prior certifications or college credit can move you ahead.

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DEGREE PROGRAMS

Ivy Tech’s ITEP offers career pathways that feature technical certificates in eight industrial technology fields.

- Industrial Automation
- Industrial Electrical
- Industrial Mechanical
- Logistics/Supply Chain Technology
- Process Operations
- Quality Assurance
- Welding Technology

Also available are a 60-credit-hour Associate of Applied Science degree in Industrial Technology and a 75-credit hour Associate of Applied Science degree in Advanced Automation and Robotics Technology.

INTERNSHIP OPPORTUNITIES

The ITEP pathways feature internship and work-based learning opportunities with area industry partners. Students will gain real-world experience and have an opportunity to make a lasting impression on a potential employer.

EMBEDDED CERTIFICATIONS

Nationally recognized certifications are embedded throughout the curriculum, creating a stronger path to employment.

FUNDING RESOURCES

HIGH SCHOOL STUDENTS

Under the federal Youth CareerConnect grant, high school students may participate in ITEP at no cost to them or their families, as long as the grant is active (through April 2018). Grant funding covers the tuition for college-level courses as well as the cost of pursuing the nationally recognized certifications that are part of the program and that employers look for when hiring new employees.

RETURNING & NEW ADULT STUDENTS

Financial aid is available for students in ITEP who qualify. WorkOne also may have additional funding resources for students who meet the requirements.

QUALITY INSTRUCTION

Ivy Tech offers students a robust technical experience from the classroom to the lab. Instructors in the College’s technology program have years of industry work experience. They understand what it takes to be successful in industry and business. Ivy Tech’s approach to instruction offers students access to hands-on training featuring new equipment aligned with the latest emerging technologies in industry.

FOR MORE INFORMATION

Ivy Tech Community College School of Technology 765-252-5496

This brochure was funded by the U.S. Department of Labor Youth CareerConnect Grant program.