

INDIANA COLLEGE AND CAREER PATHWAY PLAN - STATE MODEL										
Cluster: Manufacturing		Pathway: Advanced Manufacturing								
Core 40 with Honors High School Graduation Plan*										
*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.										
Grade	English Lang Arts	Math	Science	Health/ PE Social Studies	CTE/ Career Pathway Courses for this Pathway		Other Elective Courses for this Pathway			
					Preparing for College & Careers	Computers in Design & Production or Intro to Engineering or Principles of Engineering	Digital citizenship, Personal Financial Responsibility	World Language	World Language	World Language
9	English 9	Algebra I	Biology	Health & Wellness/ PE	Preparing for College & Careers	Computers in Design & Production or Intro to Engineering or Principles of Engineering	Digital citizenship, Personal Financial Responsibility	World Language	World Language	World Language
10	English 10	Geometry	Chemistry	Geography/ History of the World or World History/ Civilization	Introduction to Advanced Manufacturing & Logistics	Computers in Design & Production or Intro to Engineering or Principles of Engineering		World Language	World Language	World Language
11	English 11	Algebra II	3rd Core 40 Science	US History	** Advanced Manufacturing			World Language	World Language	World Language
12	English 12	Math or Quantitative Reasoning		Government Economics	** Advanced Manufacturing			World Language	World Language	World Language

Brochure designed by Jon Munson, Visual Communications student, Ivy Tech Community College Kokomo



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**KNOWLEDGE. SKILLS. POWER.**  
INTEGRATED TECHNOLOGY EDUCATION PROGRAM



## PROGRAM INTRODUCTION

The Integrated Technology Education Program (ITEP) at Ivy Tech Community College will expand opportunities for high school students and adult learners to gain industry skills and valuable credentials.

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.



Photo courtesy of: Red Gold

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."

## EXPECTATIONS

### 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



## BUILD YOUR FUTURE IN AS LITTLE AS ONE YEAR

Technical Certificate:  
30 credit hours  
1 year | 2 semesters



Potential earnings:  
**\$30-35k**

Associate of Applied  
Science Degree:  
60 total credit hours



Potential earnings:  
**\$40-50k**

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



Potential earnings:  
**\$50k+**

### 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.

## ADMISSION STEPS

High school students should contact their high school guidance counselor for more information and proper dual-credit course enrollment. College-level students and returning adults should contact Ivy Tech's Office of Admissions.

**Kokomo | Tipton: [800] 459-0561**  
**Logansport: [866] 753-5102**  
**Rochester: [574] 223-3228**  
**Peru: [765] 473-7281**  
**Wabash: [260] 563-8828**

New students can apply to Ivy Tech online at [ivytech.edu/apply-now](http://ivytech.edu/apply-now). The application is free. If you have been an Ivy Tech student within the past two years, you do not need to re-apply.

## 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
- Machine Tool 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.

## 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.

## 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.



Photo courtesy of: Red Gold

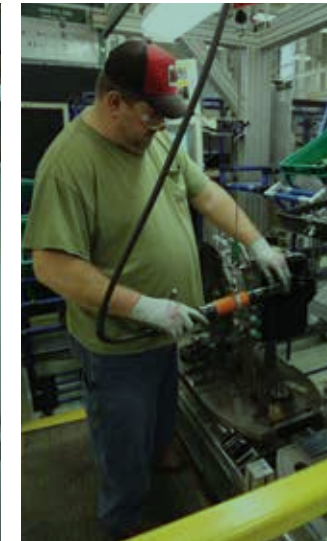


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## QUALITY INSTRUCTION

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**



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