

# 2024-2025

## La Porte County Career & Technical Education

### Dual Credit/Certifications

**Staffing & Certification** - Dual credit programs are typically offered through partnerships between high schools and colleges. These partnerships require that both institutions have the necessary staffing and certification to offer the dual credit courses. It is important to check with your high school counselor or the college offering the dual credit program to get the most up-to-date information on course availability and eligibility requirements.

#### Automotive Services Technology Year I

Principles of Automotive Services 7213 Ivy Tech

AUTI 100	Basic Automotive Service	3 credits
AUTI 111	Electrical System I	3 credits (prereq./coreq. AUTI 100)

Brake Systems 7205 Ivy Tech

AUTI 121	Brake systems	3 credits (prereq./coreq. AUTI 111)
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Steering and Suspensions 7212 Ivy Tech

AUTI 122	Steering and Suspension	3 credits (prereq./coreq. AUTI 111)
AUTI 145	Driveline Services	3 credits (prereq./coreq. AUTI 100)

Certification: ASE, S/P2, FORD ACE Certifications

**Total Possible Credits Earned      15 credits**

#### Automotive Services Technology Year II

Automotive Services Capstone 7375 Ivy Tech

AUTI 131	Engine Performance Systems	3 credits (prereq. AUTI 111)
AUTI 141	Engine Repair and Fundamentals	3 credits (prereq./coreq. AUTI 100)

Certification: ASE, S/P2, FORD ACE Certifications

**Total Possible Credits Earned      6 credits**

**Total Possible Credits For Two Year Program      21 credits**

#### Construction Trades IVY Tech Year I

Principles of Construction Trades 7130 Ivy Tech

BCTI 100	Introduction to Construction	3 credits
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Construction Trades: General Carpentry 7123 Ivy Tech

BCTI 101	Intro to Carpentry, Part 1	3 credits (prereq./coreq. BCTI 100)
BCTI 102	Intro to Carpentry, Part 2	3 credits (prereq./coreq. BCTI 101)

Construction Trades: Framing and Finishing 7122 Ivy Tech

BCTI 103	Carpentry Framing & Finishing, Part 1	3 credits (prereq. BCTI 100)
BCTI 104	Carpentry Framing & Finishing, Part 2	3 credits (prereq./coreq. BCTI 103)

Certification: NCCER

**Total Possible Credits Earned      15 credits**

#### Construction Trades IVY Tech Year II

Construction Trades Capstone 7242 Ivy Tech

BCTI 130	Introduction to Electrical	4 credits
BCTI 201	Carpentry Forms, Part 1	3 credits (prereq. BCTI 100)
BCTI 202	Carpentry Forms, Part 2	3 credits (prereq./coreq. BCTI 201)
BCTI 280	CO-Op Internship	1-6 credits

Certification: NCCER

<b>Total Possible Credits Earned</b>	<b>16 credits</b>
<b>Total Possible Credits For Two Year Program</b>	<b>31 credits</b>

Criminal Justice and Law Year I

Dual Credits Only Offered 1st Year

Principles of Criminal Justice 7193 Vincennes University		
LAWE 100	Survey of Criminal Justice	3 credits
Law Enforcement Fundamentals 7191 Vincennes University		
LAWE 101	Basic Police Operations	3 credits
LAWE 150	Criminal Minds and Deviant Behavior	3 credits
Corrections and Cultural Awareness 7188 Vincennes University		
LAWE 145	Ethics and Professionalism in Criminal Justice	3 credits
Certification: End of Course Assessment		

**Total Possible Credits Earned                   12 credits**

Cosmetology Year I

Principles of Barbering and Cosmetology 7330 Vincennes University		
Barbering and Cosmetology Fundamentals 7331 Vincennes University		
COSM 100 (Year)	Cosmetology I	7 credits
Advanced Cosmetology 7332 Vincennes University		
COSM 150 (Year)	Cosmetology II	7 credits

**Total Possible Credits Earned                   14 credits**

Cosmetology Year II

Cosmetology II 5806 Vincennes University		
COSM 200	Cosmetology III	7 credits
COSM 250	Cosmetology IV	7 credits
Certification: Cosmetology License		

**Total Possible Credits Earned                   14 credits**

**Total Possible Credits For Two Year Program   28 credits**

Culinary Arts and Hospitality Year I

Principles of Culinary and Hospitality 7173 Ivy Tech	<i>Pre-req: college-ready in R &amp; W</i>	
HOSP 101	Principles of Culinary and Hospitality	3 credits
HOSP 102	Basic Food Theory and Skills	3 credits (prereq./coreq. HOSP 101)
Nutrition 7171 Ivy Tech		
HOSP 104	Nutrition	3 credits
Culinary Arts 7169 Ivy Tech		
HOSP 103	Soups, Stocks, and Sauces	3 credits (prereq. HOSP 101 & 102)
HOSP 105	Introduction to Baking	3 credits (prereq./coreq. HOSP 101)
Certification: Pro Start Level 1, ServSafe, Pro Start Certificate of Achievement		

**Total Possible Credits Earned                   15 credits**

Culinary Arts and Hospitality Year II

2 Capstone Paths Available

Culinary Capstone 7233 Ivy Tech		
HOSP 106	Pantry and Breakfast	3 credits (prereq. HOSP 102 & coreq. HOSP 105)
HOSP 207	Customer Service	3 credits (prereq. HOSP 101)

Certification: Pro Start Level 1, ServSafe, Pro Start Certificate of Achievement

**Total Possible Credits Earned** 6 credits  
**Total Possible Credits For 2 Year Program** 21 credits

Baking Capstone 7235

HOSP 111 Yeast Breads 3 credits (prereq. HOSP 105)  
HOSP 113 Baking Science 3 credits (prereq. HOSP 105)

Certification: Pro Start Level 1, ServSafe, Pro Start Certificate of Achievement

**Total Possible Credits Earned** 6 credits  
**Total Possible Credits For 2 Year Program** 21 credits

Education Careers Year I

Principles of Teaching 7161 Ivy Tech *Pre-req: college-ready in R & W*

EDUC 101 Introduction to teaching 3 credits

Child and Adolescent Development 7157 Ivy Tech

EDUC 121 Advanced Child Development 3 credits

Teaching and Learning 7162 Ivy Tech

EDUC 201 Technology In Education 2 credits (prereq. EDUC 101)

**Total Possible Credits Earned** 8 credits

Education Careers Year II

Education Professions Capstone 7267 Ivy Tech

EDUC 230 The Exceptional Child 3 credits (prereq. EDUC 101)

EDUC 233 Literacy Development Through Children's Lit. 3 credits (prereq. EDUC 101)

Assessment: Paraprofessional Certification

**Total Possible credits Earned** 6 credits  
**Total Possible Credits For 2 Year Program** 14 credits

Energy Academy Year I

Principles of Construction Trades 7130 Ivy Tech

BCTI 100 Introduction to Construction Technology 3 credits

Electrical Fundamentals 7124 Ivy Tech

BCTI 130 Intro to Electrical I 3 credits

Advanced Electrical 7119 Ivy Tech

BCTI 131 Electrical, Part I 3 credits (prereq. BCTI 130)

BCTI 132 Electrical, Part II 3 credits (prereq./coreq. BCTI 131)

Certification: NCCER Electrical I, OSHA 10

**Total Possible Credits Earned** 12 credits

Energy Academy Year II

Ivy Tech Course Name TBD

INDT 113 Industrial Electrical I 3 credits

SUST 100 Introduction to Renewable Energy Systems 3 credits

Certification: NCCER Electrical I, OSHA 10

**Total Possible Credits Earned** 6 credits  
**Total Possible Credits For 2 Year Program** 18 credits

Fire Science Year I

Principles of Firefighting 7195 IVY Tech

HSPS 102 Introduction to Public Safety 3 credits

HSPS 106	Fire Suppression	3 credits
Firefighting Fundamentals 7189	Ivy Tech	
HSPS 122	Hazmat Awareness and Operations	3 credits
HSPS 165	Firefighter I	3 credits (Prereq. HSPS 122)
Certification: Firefighter I Certification		
<b>Total Possible Credits Earned</b>		<b>12 credits</b>

EMS (Health Capstone EMS/Fire & Rescue Capstone) (Seniors Only)

Must Have Taken Fire Science or Health I

Emergency Medical Tech 7165	Ivy Tech	
PARM 102	Emergency Medical Tech	7.5 credits
Certification: CPR/First Aid/AED		
<b>Total Possible Credits Earned</b>		<b>7.5 credits</b>

Health Science Year I

Must take 2 years to complete Pathway

Principles of Healthcare 7168	Ivy Tech	<i>Pre-req: college-ready in R &amp; W</i>
HLHS 100	Intro. To Health Careers	3 credits
HLHS 104	CPR/Basic Life Support	0.5 credits
Medical Terminology 5274	Ivy Tech	
HLHS 101	Medical Terminology	3 credits
HLHS 102	Essentials Anatomy & Physiology	3 credits
Health Science Tech Skills Development		
Certification: CPR/First Aid/AED		
<b>Total Possible Credits Earned</b>		<b>9.5 credits</b>

Health Science Year II (CNA Capstone)

Healthcare Specialist 7166	Ivy Tech	
HLHS 107	CNA Preparation	5 credits
HLHS 113	Dementia Care	3 credits
Healthcare Specialist Capstone 7255	Ivy Tech	
HLHS 105	Medical Law and Ethics	3 credits
HLHS 122	Electronic Health Records	3 credits (prereq./coreq. HLHS 101)
HLHS 125	Behavioral Health	3 credits
Certification: CPR, Certified Nursing Assistant, Dementia Care		
<b>Total Possible Credits Earned</b>		<b>17 credits</b>
<b>Total Possible Credits For 2 Year Program</b>		<b>26.5 credits</b>

Smart Manufacturing Year I

Principles of Industry 4.0 & Digital Manufacturing	Ivy Tech	
SMDI 110	Introduction to Industrial Internet of Things	credits TBD
Robotics Design and Innovation	Ivy Tech	
SMDI 111	Technology in Smart Manufacturing & Digital Integration	credits TBD
Digital Manufacturing Systems	Ivy Tech	
SMDI 130	Electrical Systems in Manufacturing	credits TBD
INDT 205	Programmable Automation Controls I	credits TBD
<b>Total Possible Credits Earned</b>		<b>credits TBD</b>

Smart Manufacturing Year II (TBD)

Smart Manufacturing Capstone	Ivy Tech	
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## Courses to be determined

### Precision Machining Technology Year I

Principles of Precision Machining 7109 Ivy Tech		
MTTC 101	Introduction to Machining	3 credits
MTTC 106	Print Interpretation	3 credits
Precision Machining Fundamentals 7105 Ivy Tech		
MTTC 102	Turning Processes I	3 credits (prereq./coreq. MTTC 101)
MTTC 103	Turning Processes II	3 credits (prereq./coreq. MTTC 101)
Advanced Precision Machining 7107 Ivy Tech		
MTTC 105	Abrasive Processes I	3 credits (prereq./coreq. MTTC 101)
MTTC 110	Turning and Milling Processes	3 credits
	<b>Total Possible Credits Earned</b>	<b>18 credits</b>

### Precision Machining Technology Year II

Precision Machining Capstone 7219 Ivy Tech		
MTTC 107	CNC Setup and Operations I	3 credits (prereq. MTTC 101)
MTTC 208	CNC Mill Programming	3 credits
MTTC 209	CNC Lathe Programming	3 credits
	Certifications: CNC Mill Operator, CNC Lathe Operator, NIMS (required for DCs), Measurement, Materials, & Safety Level I, Job Planning, Benchwork, & Layout Level I	
	<b>Total Possible Credits Earned</b>	<b>9 credits</b>
	<b>Total Possible Credits For 2 Year Program</b>	<b>27 credits</b>

### Welding Technology Year I

Principles of Welding Technology 7110 Ivy Tech		
WELD 100	Welding Fundamentals	3 credits
Shielded Metal Arc Welding 7111 Ivy Tech		
WELD 108	Shielded Metal Arc Welding I	3 credits
WELD 206	Advanced Shielded Metal Arc Welding	3 credits (prereq/coreq. WELD 108)
Gas Welding Processes 7101 Ivy Tech		
WELD 207	Gas Metal Arc MIG Welding	3 credits
WELD 272	Advanced Gas Metal Arc (MIG) Welding	3 credits (prereq/coreq. WELD 207)
	<b>Total Possible Credits Earned</b>	<b>15 credits</b>

### Welding Technology Year II

Welding Technology Capstone 7226 Ivy Tech		
WELD 208	Gas Tungsten Arc (TIG) Welding	3 credits
WELD 273	Advanced Gas Tungsten Arc (TIG) Welding	3 credits (prereq/coreq. WELD 208)
	Certification: AWS	
	<b>Total Possible Credits Earned</b>	<b>6 credits</b>
	<b>Total Possible Credits For 2 Year Program</b>	<b>21 credits</b>