



## Credential of Value Certificates & Technical Certificate Options

Opportunity to receive a credential of value through Ivy Tech while attending FCHS.

Students must complete all required courses in each specific certificate sequence of interest.

<p><b>DUAL CREDIT &amp; DUAL ENROLLMENT OPTIONS</b> Complete coursework at FCHS, online, or at Ivy Tech Campus in Batesville</p> <p><b>ANIMAL AGRIBUSINESS</b></p> <ul style="list-style-type: none"><li><input type="checkbox"/> AGRI 102 – Agri- Business Management</li><li><input type="checkbox"/> AGRI 103 – Animal Science</li><li><input type="checkbox"/> AGRI 107 – Advanced Animal Science</li></ul> <p><b>BUSINESS ADMINISTRATION</b></p> <ul style="list-style-type: none"><li><input type="checkbox"/> BUSN 101 – Introduction to Business:</li><li><input type="checkbox"/> BUSN 105 – Principles of Management:</li><li><input type="checkbox"/> MRKT 101 – Marketing Fundamentals</li><li><input type="checkbox"/> ACCT 101 – Financial Accounting</li><li><input type="checkbox"/> ENGL 111 – English Composition</li><li><input type="checkbox"/> IVYT 106 – Student Success Elective</li></ul> <p><b>Certified Nursing Assistant (CNA)</b></p> <ul style="list-style-type: none"><li><input type="checkbox"/> HLHS 107 – CNA Preparation</li><li><input type="checkbox"/> APHY 101 &amp; 102 – Anatomy &amp; Physiology</li></ul> <p><b>Certified Clinical Medical Assistant(CCMA)</b></p> <ul style="list-style-type: none"><li><input type="checkbox"/> MEAS 225 – CCMA Workforce Development</li><li><input type="checkbox"/> APHY 101 &amp; 102 – Anatomy &amp; Physiology</li></ul>	<p><b>DUAL ENROLLMENT OPTIONS</b> Complete coursework at FCHS &amp; at Ivy Tech Campus in Batesville</p> <p><b>SOFTWARE APPLICATION DEVELOPER</b></p> <ul style="list-style-type: none"><li><input type="checkbox"/> DBMS 110 – Intro to Data Analytics</li><li><input type="checkbox"/> SDEV 120 – Computing Logic</li><li><input type="checkbox"/> SDEV 140 – Intro to Software Develop.</li><li><input type="checkbox"/> SDEV 153 – Website Development</li><li><input type="checkbox"/> SDEV 148 –Intro to Game Develop.</li><li><input type="checkbox"/> SDEV 240 – Software Develop. w/ C Sharp</li><li><input type="checkbox"/> SDEV 248 – Adv. Simulation &amp; Game Design</li><li><input type="checkbox"/> SDEV 255 – Web Application Develop.</li></ul> <p>–For a Technical Certificate, you must also take the following:</p> <ul style="list-style-type: none"><li><input type="checkbox"/> INFM 109 – Informatics Fundamentals</li><li><input type="checkbox"/> COMM 101 – Speech Communication</li><li><input type="checkbox"/> ENG 111 OR MAT 1XX</li><li><input type="checkbox"/> IVYT 106 – Student Success</li></ul> <p><b>COMPUTER-AIDED DESIGN</b></p> <ul style="list-style-type: none"><li><input type="checkbox"/> DESN 101 – Intro to Design Tech</li><li><input type="checkbox"/> DESN 104 – Mechanical Graphics</li><li><input type="checkbox"/> DESN 105 – Architectural Design I</li><li><input type="checkbox"/> DESN 113 – 2D Computer-Aided Design</li><li><input type="checkbox"/> DESN 220 – 3D Computer-Aided Design</li><li><input type="checkbox"/> EECT 112 – Digital Fundamentals</li></ul> <p><b>MECHANICAL DESIGN</b></p> <ul style="list-style-type: none"><li><input type="checkbox"/> DESN 101 – Introduction to Design Tech</li><li><input type="checkbox"/> DESN 104 – Mechanical Graphics</li><li><input type="checkbox"/> DESN 113 – 2D Computer-Aided Design</li></ul> <p>–For a Technical Certificate, you must also take the following:</p> <ul style="list-style-type: none"><li><input type="checkbox"/> MAT 1XX –any Ivy Tech Math</li><li><input type="checkbox"/> ENG 111 OR COMM 101</li><li><input type="checkbox"/> IVYT 106 – Student Success</li></ul>	<p><b>WHITEWATER CAREER CENTER</b> Complete coursework at FCHS &amp; at WCC in Connersville.</p> <p><b>MACHINE TOOL TECHNOLOGY</b></p> <p>–Two year program at Career Center</p> <ul style="list-style-type: none"><li><input type="checkbox"/> MTCC 101 – Intro to Machining</li><li><input type="checkbox"/> MTCC 102 –Turning Processes</li><li><input type="checkbox"/> MTTC 103 – Milling Processes</li><li><input type="checkbox"/> MTTC 105– Abrasive Processes</li><li><input type="checkbox"/> MTTC 106 – Print Interpretation</li><li><input type="checkbox"/> MTTC 107 – CNC Setup and Operations</li><li><input type="checkbox"/> MTTC 208 –CNC Mill Programming</li></ul> <p>–For a Technical Certificate, you must also take the following:</p> <ul style="list-style-type: none"><li><input type="checkbox"/> MTTC 209 – CNC Lathe Programming</li><li><input type="checkbox"/> MTTC 110 – Turning and Milling Processes</li><li><input type="checkbox"/> MAT 1XX – any Ivy Tech Math</li><li><input type="checkbox"/> IVYT 106 – Student Success</li></ul> <p><b>STRUCTURAL WELDING CERTIFICATE</b></p> <p>– Two year program at Career Center</p> <ul style="list-style-type: none"><li><input type="checkbox"/> WELD 100 – Welding Fundamentals</li><li><input type="checkbox"/> WELD 108 – Shielded Metal Arc Welding I</li><li><input type="checkbox"/> WELD 206 – Advanced Shielded Metal Arc Welding</li><li><input type="checkbox"/> WELD 207 – Gas Metal Arc (MIG) Welding</li><li><input type="checkbox"/> WELD 208 – Gas Tungsten Arc (TIG) Welding</li><li><input type="checkbox"/> WELD 272 – Advanced Gas Metal Arc Welding</li><li><input type="checkbox"/> WELD 273 – Advanced Gas Tungsten Arc Welding</li></ul> <p>–For a Technical Certificate, you must also take the following:</p> <ul style="list-style-type: none"><li><input type="checkbox"/> MAT 1XX –any Ivy Tech Math</li><li><input type="checkbox"/> BUSN 101 – Introduction to Business</li><li><input type="checkbox"/> DESN 101 – Introduction to Design Technology</li><li><input type="checkbox"/> DESN 113 – 2D Computer-Aided Design</li><li><input type="checkbox"/> IVYT 106 – Student Success</li></ul>
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\*\*Courses are subject to change based on availability\*\*

Courses in **BLACK** are offered at FCHS

Courses in **GREEN** are only offered at Ivy Tech.

Courses in **RED** are offered at Whitewater Career Center

# IVY TECH COMMUNITY COLLEGE COURSES

## INDIANA COLLEGE CORE (ICC) CHECKLIST

{POSSIBILITY OF EARNING A HIGH SCHOOL DIPLOMA AND EARNING A TECHNICAL CERTIFICATE FROM IVY TECH}

STUDENT NAME \_\_\_\_\_ GRADUATION YEAR \_\_\_\_\_

DEGREE/MAJOR INTERESTS \_\_\_\_\_ ICC ONLY      ASSOCIATE'S DEGREE

### **TOTAL TRANSFER GENERAL EDUCATION CORE:      30 MINIMUM CREDITS**

NEED AT LEAST 1 COURSE FROM EACH SECTION BELOW WITH ADDITIONAL COURSES

#### **WRITTEN COMMUNICATION      3-6 CREDITS**

ENGLISH 111 ENGLISH COMPOSITION (3 CREDITS)	COMPLETED	IN-PROGRESS
ENGLISH 215 RHETORIC AND ARGUMENT (3 CREDITS)	COMPLETED	IN-PROGRESS

#### **SPEAKING AND LISTENING      3-6 CREDITS**

(IU)COMM 101 FUNDAMENTALS OF PUBLIC SPEAKING(3 CREDITS)	COMPLETED	IN-PROGRESS
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#### **QUANTITATIVE REASONING      3-12 CREDITS**

MATH 123 QUANTITATIVE REASONING (3 CREDITS)	COMPLETED	IN-PROGRESS
MATH 135 FINITE MATH (3 CREDITS)	COMPLETED	IN-PROGRESS
MATH 136 PRE-CALC/COLLEGE ALGEBRA (3 CREDITS)	COMPLETED	IN-PROGRESS
MATH 137 TRIG WITH ANALYTIC GEOMETRY (3 CREDITS)	COMPLETED	IN-PROGRESS
MATH 211 CALCULUS I (4 CREDITS)	COMPLETED	IN-PROGRESS

#### **SCIENTIFIC WAYS OF KNOWING      3-12 CREDITS**

BIOL 101 INTRODUCTORY BIOLOGY (3 CREDITS)	COMPLETED	IN-PROGRESS
BIOL 105 BIOLOGY I (5 CREDITS)	COMPLETED	IN-PROGRESS
BIOL 107 BIOLOGY I (5 CREDITS)	COMPLETED	IN-PROGRESS
CHEM 101 INTRODUCTORY CHEMISTRY I (3 CREDITS)	COMPLETED	IN-PROGRESS
CHEM 105 GENERAL CHEMISTRY I (5 CREDITS)	COMPLETED	IN-PROGRESS

#### **SOCIAL & BEHAVIORAL WAYS OF KNOWING      3-12 CREDITS**

HIST 101 SURVEY OF AMERICAN HISTORY I (3 CREDITS)	COMPLETED	IN-PROGRESS
HIST 102 SURVEY OF AMERICAN HISTORY II (3 CREDITS)	COMPLETED	IN-PROGRESS
POLS 101 INTRO. TO AMERICAN GOVT & POLITICS(3 CREDITS)	COMPLETED	IN-PROGRESS
ECON 101 ECONOMICS FUNDAMENTALS (3 CREDITS)	COMPLETED	IN-PROGRESS

#### **HUMANISTIC & ARTISTIC WAYS OF KNOWING      3-12 CREDITS**

ENG 202 CREATIVE WRITING (3 CREDITS)	COMPLETED	IN-PROGRESS
ENG 206 INTRO TO LITERATURE (3 CREDITS)	COMPLETED	IN-PROGRESS
SPAN 101 SPANISH LEVEL I (4 CREDITS)	COMPLETED	IN-PROGRESS
SPAN 102 SPANISH LEVEL II (4 CREDITS)	COMPLETED	IN-PROGRESS
SPAN 201 SPANISH LEVEL III (3 CREDITS)	COMPLETED	IN-PROGRESS
SPAN 202 SPANISH LEVEL IV (3 CREDITS)	COMPLETED	IN-PROGRESS
HUMA 118 MUSIC APPRECIATION (3 CREDITS)	COMPLETED	IN-PROGRESS

**TOTAL CREDITS:** \_\_\_\_\_

FCHS Pathways Summary for 2026-2027		Ivy Tech Courses listed in GREEN		Courses highlighted in ORANGE count towards STEM course requirements	
Career Cluster	FCHS Program (Pathway Name)	Year 1 Course Codes & Titles	Year 2 Course Codes & Titles	Year 3 Course Codes & Titles	Year 4 Course Codes & Titles
		Principles	Concentrator A	Concentrator B	Capstone
Agriculture	Agri-Science: Animals	7117 Principles of Agriculture AGRI 100 & AGRI 102	5008 Animal Science AGRI 103	5074 Advanced Life Science, Animals (L) AGRI 107	7262 Agricultural Research Capstone
Arts, Entertainment, & Design	Interior Design	7132 Principles of Interior Design	7127 Interior Design Fundamentals	7128 Materials, Finishes, & Design	7248 Interior Design Capstone
Advanced Manufacturing	Engineering	4802 Introduction to Engineering Design DESN 101 & DESN 113	5644 Principles of Engineering DESN 104	5650 Civil Engineering and Architecture DESN 105	5698 Engineering Design & Development
Business Management	Business Management	4562 Principles of Business Management BUSN 101	5914 Marketing Fundamentals MKTG 101	4524 Accounting Fundamentals	7256 Business Administration Capstone
Civic Arts (Locally Created Pathway)	Art	4562 Principles of Business Management BUSN 101 OR 7161 Principles of Teaching EDUC 101	Introduction to Art (4000 Introduction to 2D & 4002 Introduction to 3D)	Advanced Art Applications (4004 Advanced 2D & 4006 Advanced 3D)	Complete all aspects of the portfolio requirements
Civic Arts (Locally Created Pathway)	Music	4562 Principles of Business Management BUSN 101 OR 7161 Principles of Teaching EDUC 101 AND enrolled in Band or Choir	Music Ensemble ( Band or Choir) AND ONE of the following: Music History (HUMA 118), Music Technology, Electronic Music, Piano, or Guitar)	Advanced Band or Advanced Choir	Complete all aspects of the portfolio requirements
Digital Technology	Software Development	7183 Principles of Computing SDEV 120	7185 Website & Database Development SDEV 153	7184 Software Development	7253 Software Development Capstone
Education and Training	Education Careers	7161 Principles of Teaching EDUC 101	7157 Child and Adolescent Development EDUC 121	7162 Teaching and Learning EDUC 201	7267 Education Professions Capstone EDUC 230 & EDUC 235
General Postsecondary Credentials	Indiana College Core/Associate's Degree	Pursue at least 30 designated dual credit courses maintaining a C or better over the course of your high school career	Complete at least 75 hours of work-based learning experiences	Demonstrate skill development in communication, collaboration, and work ethic	
Whitewater Career Center	Obtain a Credential of Value from one of the programs provided at the Whitewater Career Center (WCC)				
Supply Chain & Transportation	Automotive Collision Technology (Automotive Collision Repair)	7215 Principles of Collision Repair	7204 Automotive Body Repair	7206 Plastic Body Repair and Painting Fundamentals	7380 Collision Repair Capstone
Supply Chain & Transportation	Automotive Technology (Automotive Services)	7213 Principles of Automotive Services AUTI 100 & AUTI 111	7205 Brake Systems AUTI 121	7212 Steering & Suspensions AUTI 122 & AUTI 145	7375 Automotive Service Capstone AUTI 131 & AUTI 141
Construction	Construction Technology (Construction Trades - Carpentry)	7130 Principles of Construction Trades BCTI 100	7123 Construction Trades: General Carpentry BCTI 101 & BCTI 102	7122 Construction Trades: Framing and Finishing	7242 Construction Trades Capstone BCTI 130
Health & Human Services	Cosmetology (Cosmetology & Barbering)	7330 Principles of Barbering and Cosmetology	7331 Barbering and Cosmetology Fundamentals	7332 Advanced Cosmetology	7334 Barbering & Cosmetology Capstone
Public Service & Safety	Criminal Justice	7193 Principles of Criminal Justice	7191 Law Enforcement Fundamentals	7188 Corrections and Cultural Awareness	7231 Criminal Justice Capstone
Hospitality, Events, & Tourism	Culinary Arts (Culinary Arts)	7173 Principles of Culinary and Hospitality HOSP 101 & HOSP 102	7171 Nutrition HOSP 104	7169 Culinary Arts HOSP 105	7233 Culinary Capstone
Supply Chain & Transportation	Diesel Technology (Diesel Services)	7216 Principles of Diesel Technology	7210 Diesel Steering and Brakes	7211 Diesel Transmission	7221 Diesel Services Capstone
Construction	Electricity (Construction Trades - Electrical)	7130 Principles of Construction Trades	7124 Construction Trades: Electrical Fundamentals	7119 Construction Trades: Advanced Electrical	7263 Construction Trades: Electrical Capstone
Health & Human Services	Exercise Science (Exercise Science/Physical Therapy)	7320 Principles of Exercise Science	7321 Kinesiology	7322 Human Performance	7323 Physical Therapy Capstone
Arts, Entertainment, & Design	Graphic Design (Digital Design)	7140 Principles of Digital Design VISC 101	7141 Digital Design Graphics VISC 102 & VISC 115	5550 Graphic Design & Layout VISC 113 & VISC 114	7246 Digital Design Capstone
Health & Human Services	Health Science (Pre-Nursing/Healthcare Specialist)	7168 Principles of Healthcare HLHS 100	5274 Healthcare Fundamentals HLHS 101 & HLHS 102	7156 Technical Skills Development	7166 Healthcare Specialist: CNA (1 cr) HLHS 107 & HLHS 113 7255 Healthcare Specialist Capstone (2 cr)
Advanced Manufacturing	Precision Machine Technology (Precision Machining)	7109 Principles of Precision Machining MTTC 101 & MTTC 106	7105 Precision Machining Fundamentals MTTC 102 & MTTC 103	7107 Advanced Precision Machining MTTC 105 & MTTC 110	7219 Precision Machining Capstone MTTC 107, MTTC 208, & MTTC 209
Advanced Manufacturing	Welding Technology (Welding Technology)	7110 Principles of Welding Technology WELD 100	7111 Shielded Metal Arc Welding WELD 108 & WELD 206	7101 Gas Welding Processes WELD 207 & WELD 272	7226 Welding Technology Capstone WELD 208 & WELD 273

Graduation Credit Tracking Sheet													
		GRADE											
SUBJECT	NAME OF COURSE	S1	S2	NOTE	SUBJECT	NAME OF COURSE	S1	S2	NOTE	DIPLOMA TYPE			
English 8 Credits	English 9: 2 credits				Math 6 Credits	Algebra 1: 2 credits							
	English 10: 2 credits					Geometry: 2 credits							
	English 11: 2 credits					Algebra 2: 2 credits							
	English 12: 2 credits					Math Elective:							
TOTALS					TOTALS					PATHWAY			
SUBJECT	NAME OF COURSE	S1	S2	NOTE	SUBJECT	NAME OF COURSE	S1	S2	NOTE	GPA:			
Science 6 Credits	Biology: 2 credits				Social Studies 6 Credits	US History: 2 credits							
	Chemistry/ICP: 2 credits					Economics: 1 credit							
	Science: 2 credits					Gov: 1 credit							
						World Hx/ Geo: 2 credits							
TOTALS					TOTALS					SAT ERW:			
SUBJECT	NAME OF COURSE	CREDITS		NOTE	SUBJECT	NAME OF COURSE	CREDITS		NOTE	SAT MATH:			
Physical Education 3 Credits	P.E.: 2 credit				Art Credit 2 credits								
	Health: 1 credit												
TOTALS					TOTALS								
SUBJECT	NAME OF COURSE	CREDITS		NOTE	SUBJECT	NAME OF COURSE	S1	S2	NOTE				
Other Electives					World Language 6-8 Credits	World Lang Year 1: 2 credits							
						World Lang Year 2: 2 credits							
						World Lang Year 3: 2 credits							
						World Lang Year 4: 2 credits							
TOTALS					TOTALS								
						English							
						Math							
						Science							
						Social Studies							
						PE							
						Art							
						World Language							
						Electives							
						TOTAL							

## Academic Honors (minimum 47 credits)

For the Core 40 with Academic Honors designation, students must:

Complete all requirements for Core 40.
Earn 2 additional Core 40 math credits.
Earn 6-8 Core 40 world language credits (6 credits in one language or 4 credits each in two languages)
Earn 2 Core 40 fine arts credits.
Earn a grade of a "C" or better in courses that will count toward the diploma.
Have a grade point average of a "B" or better.
Complete <b>ONE</b> of the following:
A. Earn 4 credits in 2 or more AP courses and take corresponding AP exams
B. Earn 6 verifiable transcribed college credits in dual credit courses from the approved dual credit list.
C. Earn two of the following:
1. A minimum of 3 verifiable transcribed college credits from the approved dual credit list,
2. 2 credits in AP courses and corresponding AP exams,
3. 2 credits in IB standard level courses and corresponding IB exams.
D. Earn a composite score of 1250 or higher on the SAT and a minimum of 560 on math and 590 on the evidence based reading and writing section
E. Earn an ACT composite score of 26 or higher and complete written section
F. Earn 4 credits in IB courses and take corresponding IB exams.

## Technical Honors (minimum 47 credits)

For the Core 40 with Technical Honors designation, students must:

Complete all requirements for Core 40.
Earn 6 credits in the college and career preparation courses in a state-approved College & Career Pathway and one of the following:
1. Pathway designated industry-based certification or credential, or
2. Pathway dual credits from the approved dual credit list resulting in 6 transcribed college credits
Earn a grade of a "C" or better in courses that will count toward the diploma.
Have a grade point average of a "B" or better.
Complete <b>ONE</b> of the following:
A. Any one of the options (A - F) of the Core 40 with Academic Honors
B. Earn the following minimum scores on WorkKeys: Workplace Documents, Level 6; Applied Math, Level 6; and Graphic Literacy, Lev
C. Earn the following minimum score(s) on Accuplacer: Writing 80, Reading 90, Math 75.
D. Earn the following minimum score(s) on Compass: Algebra 66 , Writing 70, Reading 80.