



East Central High School

Industry Focused Certificate and Technical Certificate Options

Opportunity to receive an industry focused Certificate Degree through Ivy Tech Community College while attending high school.

Short Term Certificates (CT) and Technical Certificate (TC) = Must complete all required courses in sequence

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

AGRIBUSINESS MANAGEMENT (9 CREDITS, CT)

- AGRI 102 – Agricultural Business and Farm Management: 3
- AGRI 106 – Agriculture Mechanization: 3
- AGRI 115 – Natural Resources Management: 3**

ANIMAL AGRIBUSINESS (9 CREDITS, CT)

- AGRI 102 – Agricultural Business and Farm Management: 3
- AGRI 103 – Animal Science: 3
- AGRI 107 – Advanced Animal Science: 3**

HORTICULTURE/LANDSCAPE MANAGEMENT (9 CREDITS, CT)

- AGRI 102 – Agricultural Business and Farm Management: 3
- AGRI 116 – Survey of Horticulture: 3
- AGRI 164 – Landscape Design I: 3

LANDSCAPE TECHNICIAN (18 CREDITS, CT)

- AGRI 116 – Survey of Horticulture: 3
- AGRI 117 – Soil Science: 3
- AGRI 164 – Landscape Design I: 3
- AGRI 165 – Turf Science: 3
- AGRI 261 – Herbaceous Landscape Plants: 3**
- AGRI 262 – Woody Landscape Plants: 3**

COMPUTER-AIDED DESIGN (18 CREDITS, CT)

- DESN 101 – Introduction to Design Technology: 3
- DESN 104 – Mechanical Graphics: 3
- DESN 105 – Architectural Design I: 3
- DESN 113 – 2D Computer-Aided Design: 3
- DESN 220 – 3D Computer-Aided Design: 3
- EECT 112 – Digital Fundamentals: 3

MECHANICAL DESIGN (18 CREDITS, CT)

- DESN 101 – Introduction to Design Technology: 3
- DESN 104 – Mechanical Graphics: 3
- DESN 113 – 2D Computer-Aided Design: 3
- DESN 195 – Manufacturing Principles & Design: 3
- DESN 220 – 3D Computer-Aided Design: 3

Choose one of the following:

- DESN 223, DESN 227, DESN 271, or DESN 272**

CULINARIAN (16 CREDITS, CT)

- HOSP 101 – Sanitation and Safety: 2
- HOSP 102 – Basic Food Theory and Skills: 3
- HOSP 103 – Soups, Stocks, and Sauces: 3
- HOSP 104 – Nutrition: 3
- HOSP 105 – Introduction to Baking: 3
- HOSP 108 – Human Relations Management: 3**

PASTRY CULINARIAN (16 CREDITS, CT)

- HOSP 101 – Sanitation and Safety: 2
- HOSP 104 – Nutrition: 3
- HOSP 105 – Introduction to Baking: 3
- HOSP 108 – Human Relations Management: 3**
- HOSP 208 – Cakes, Icings, and Fillings: 3**
- HOSP 213 – Classical Pastries: 3**

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

BUSINESS ADMINISTRATION (16 CREDITS, CT)

- BUSN 101 – Introduction to Business: 3
 - BUSN 105 – Principles of Management: 3
 - ACCT 101 – Financial Accounting: 3
 - ENGL 111 – English Composition: 3
 - IVYT 1XX – Student Success Elective: 1**
 - _____ – Business Administration Statewide Elective: 3
- Dual credit options include any of the following: ACCT 106, ACCT 122, BOAT 216, CINS 101, MKTG 101, or MKTG 102*

PROFESSIONAL BOOKKEEPING AND PAYROLL (18 CREDITS, CT)

- ACCT 101 – Financial Accounting: 3
- ACCT 102 – Managerial Accounting: 3**
- ACCT 106 – Payroll Accounting: 3
- ACCT 205 – Income Tax: 3**
- BOAT 218 – Microsoft Excel: 3**
- ACCT 122 – Accounting Systems Applications: 3

SOFTWARE APPLICATION DEVELOPER (18 CREDITS, CT)

- DBMS 110 – Introduction to Data Analytics: 3
- SDEV 120 – Computing Logic: 3
- SDEV 140 – Introduction to Software Development: 3
- SDEV 153 – Website Development: 3

Choose one of the following:

- SDEV 200, SDEV 220, SDEV 230, SDEV 240, SDEV 255, SDEV 260, or SDEV 264**

Choose one of the following:

- SDEV 148, SDEV 245, SDEV 248, SDEV 257, SDEV 264, SDEV 266, SDEV 181, CPIN 280, or CSCI 201**

ELEMENTARY EDUCATION (30 CREDITS, TC)

- ENGL 111 – English Composition: 3
- COMM 101 – Fundamentals of Public Speaking: 3
- MATH 123 or Higher: 3 or 4
- BIOL 101 – Introductory Biology: 3
- HIST 101 – Survey of American History I: 3
- POLS 101 – Introduction to American Government and Politics: 3
- EDUC 101 – Introduction to Teaching: 3
- EDUC 121 – Child and Adolescent Development: 3
- EDUC 230 – The Exceptional Child: 3
- EDUC 235 – Science of Reading I: 3

**Courses listed are offered through ECHS. Other courses from each category may be taken at ITCC with prior approval to meet the CT or TC requirements.



East Central High School

Indiana College Core + Associate of General Studies

Opportunity to receive an Indiana College Core (Technical Certificate) or Associate Degree through Ivy Tech Community College while attending high school.

Indiana College Core (ICC) = Must earn at least 30 credits	Associate of General Studies (AGS) = Must earn at least 60 credits
<p>Must complete at least one course from each category.</p> <p>SPEAKING AND LISTENING (3 – 6 CREDITS)</p> <ul style="list-style-type: none"> <input type="checkbox"/> COMM 101 – Fundamentals of Public Speaking: 3 <p>WRITTEN COMMUNICATION (3 – 6 CREDITS)</p> <ul style="list-style-type: none"> <input type="checkbox"/> ENGL 111 – English Composition: 3 <p>QUANTITATIVE REASONING (3 – 15 CREDITS)</p> <ul style="list-style-type: none"> <input type="checkbox"/> MATH 135 – Finite Math: 3 <input type="checkbox"/> MATH 136 – College Algebra: 3 <input type="checkbox"/> MATH 137 – Trigonometry with Analytic Geometry: 3 <input type="checkbox"/> MATH 200 – Statistics (AP): 3 <input type="checkbox"/> MATH 211 – Calculus I: 4 <input type="checkbox"/> MATH 212 – Calculus II: 4 <p>SCIENTIFIC WAYS OF KNOWING (3 – 15 CREDITS)</p> <ul style="list-style-type: none"> <input type="checkbox"/> BIOL 101 – Introductory Biology: 3 <input type="checkbox"/> BIOL 105 – Biology I, Molecular and Cellular Processes: 5 <input type="checkbox"/> BIOL 107 – Biology II, Diversity of Life: 5 <input type="checkbox"/> CHEM 101 – Introductory Chemistry I: 3 <input type="checkbox"/> CHEM 105 – General Chemistry I: 5 <input type="checkbox"/> CHEM 106 – General Chemistry II: 5 <input type="checkbox"/> _____ – Other ICC Class via ITCC Dual Enrollment <p>SOCIAL AND BEHAVIORAL WAYS OF KNOWING (3 – 15 CREDITS)</p> <ul style="list-style-type: none"> <input type="checkbox"/> ECON 202 – Principles of Microeconomics (AP): 3 <input type="checkbox"/> HIST 101 – Survey of American History I: 3 <input type="checkbox"/> HIST 102 – Survey of American History II: 3 <input type="checkbox"/> HIST 112 – World Civilization II (AP): 3 <input type="checkbox"/> POLS 101 – Introduction to American Government and Politics: 3 <input type="checkbox"/> _____ – Other ICC Class via ITCC Dual Enrollment <input type="checkbox"/> _____ – Other ICC Class via ITCC Dual Enrollment <p>HUMANISTIC AND ARTISTIC WAYS OF KNOWING (3 – 15 CREDITS)</p> <ul style="list-style-type: none"> <input type="checkbox"/> ENGL 206 – Introduction to Literature (AP): 3 <input type="checkbox"/> FREN 101 – French Level I: 4 <input type="checkbox"/> FREN 102 – French Level II: 4 <input type="checkbox"/> FREN 201 – French Level III: 3 <input type="checkbox"/> FREN 202 – French Level IV: 3 <input type="checkbox"/> SPAN 101 – Spanish Level I: 4 <input type="checkbox"/> SPAN 102 – Spanish Level II: 4 <input type="checkbox"/> _____ – Other ICC Class via ITCC Dual Enrollment <input type="checkbox"/> _____ – Other ICC Class via ITCC Dual Enrollment 	<p>Must complete all required courses towards an AGS Degree.</p> <p>INDIANA COLLEGE CORE (30 CREDITS)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Successfully Completed the Indiana College Core: 30 <p>OTHER INSTITUTIONAL REQUIREMENTS (2 CREDITS)</p> <ul style="list-style-type: none"> <input type="checkbox"/> IVYT 1XX – Student Success Elective: 1 <input type="checkbox"/> GENS 279 – General Studies Capstone Course: 1 ^ <p>PROFESSIONAL – TECHNICAL CORE (6 CREDITS)</p> <ul style="list-style-type: none"> <input type="checkbox"/> ENGL 215 – Rhetoric and Argument: 3 <p><i>Choose one of the following:</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> COMM 102 – Introduction to Interpersonal Communication: 3 <input type="checkbox"/> PHIL 102 – Introduction to Ethics: 3 <input type="checkbox"/> POLS 101 – Introduction to American Government and Politics: 3 <i>(can be used if not part of ICC)</i> <p>STATEWIDE ELECTIVES (22 CREDITS)</p> <ul style="list-style-type: none"> <input type="checkbox"/> XXXX XXX – Student Electives 100-Level or higher: 22 *& <input type="checkbox"/> ACCT 101 – Financial Accounting: 3 <input type="checkbox"/> ACCT 106 – Payroll Accounting: 3 <input type="checkbox"/> ACCT 122 – Accounting Systems Applications: 3 <input type="checkbox"/> AGRI 100 – Introduction to Agriculture: 3 <input type="checkbox"/> AGRI 102 – Agricultural Business and Farm Management: 3 <input type="checkbox"/> AGRI 103 – Animal Science: 3 <input type="checkbox"/> AGRI 106 – Agriculture Mechanization: 3 <input type="checkbox"/> AGRI 116 – Survey of Horticulture: 3 <input type="checkbox"/> AGRI 117 – Soil Science: 3 <input type="checkbox"/> AGRI 164 – Landscape Design I: 3 <input type="checkbox"/> AGRI 165 – Turf Science: 3 <input type="checkbox"/> APHY 101 – Anatomy and Physiology I: 3 <input type="checkbox"/> BOAT 216 – Business Communications: 3 <input type="checkbox"/> BUSN 101 – Introduction to Business: 3 <input type="checkbox"/> BUSN 105 – Principles of Management: 3 <input type="checkbox"/> CINS 101 – Introduction to Microcomputer: 3 <input type="checkbox"/> DESN 101 – Introduction to Design Technology: 3 <input type="checkbox"/> DESN 104 – Mechanical Graphics: 3 <input type="checkbox"/> DESN 105 – Architectural Design I: 3 <input type="checkbox"/> DESN 113 – 2D Computer-Aided Design: 3 <input type="checkbox"/> DESN 220 – 3D Computer-Aided Design: 3 <input type="checkbox"/> EDUC 101 – Introduction to Teaching: 3 <input type="checkbox"/> EDUC 121 – Child and Adolescent Development: 3 <input type="checkbox"/> EDUC 201 – Technology in Education: 3 <input type="checkbox"/> EDUC 230 – The Exceptional Child: 3 <input type="checkbox"/> EDUC 235 – Science of Reading I: 3 <input type="checkbox"/> EECT 112 – Digital Fundamentals: 3 <input type="checkbox"/> HOSP 101 – Sanitation and Safety: 2 <input type="checkbox"/> HOSP 102 – Basic Food Theory and Skills: 3 <input type="checkbox"/> HOSP 103 – Soups, Stocks, and Sauces: 3 <input type="checkbox"/> HOSP 104 – Nutrition: 3 <input type="checkbox"/> HOSP 105 – Introduction to Baking: 3 <input type="checkbox"/> HOSP 106 – Pantry and Breakfast: 3 <input type="checkbox"/> MKTG 101 – Principles of Marketing: 3 <input type="checkbox"/> MKTG 102 – Principles of Selling: 3 <input type="checkbox"/> SDEV 120 – Computing Logic: 3 <input type="checkbox"/> SDEV 140 – Introduction to Software Development: 3 <input type="checkbox"/> SDEV 153 – Website Development: 3 <input type="checkbox"/> _____ – Any additional course 100-Level or higher <input type="checkbox"/> _____ – Any additional course 100-Level or higher <input type="checkbox"/> _____ – Any additional course 100-Level or higher
<p>**Courses listed are offered through ECHS. Other courses from each category may be taken at ITCC with prior approval to meet the ICC or AGS requirements.</p>	
<p>SYMBOL KEY ^ Capstone Course *& Elective is defined as a course chosen by the student</p>	

