





| Advanced Manufacturing                                |   |                                       |                                   |   |
|---|---|---------------------------------------|-----------------------------------|---|
| Pathway Area  | Principles Course   | Concentrator A                        | Concentrator B                    |   |
| Precision Machining<br>Vincennes University<br>Year 1 | 7109 Principles of Precision Machining  | 7105 Precision Machining Fundamentals | 7107 Advanced Precision Machining | Courses in pathway are offered at the<br>Vincennes University Education<br>Training Center, located on Mt. Zion<br>Road in Lebanon. |
|   | 11, 12<br>Courses taken concurrently<br>Student must provide own transportation | DC                                    |                                   |   |
| Precision Machining<br>Vincennes University<br>Year 2 | 7219 Precision Machining Capstone   |                                       |                                   |   |
|   | 12<br>Student must provide own transportation                                   | DC                                    |                                   |   |




| Agriculture, Food and Natural Resources |                                |  |  |                                      |
|---|--------------------------------|--|--|--------------------------------------|
| Pathway Area                            | Principles Course              | Concentrator A                         | Concentrator B                           | Pathway Capstone                     |
| Ag Mechanical and<br>Engineering        | 7117 Principles of Agriculture | 5088 Ag Power, Structures & Technology | 7112 Ag Structures, Fabrication & Design | 7228 Ag Mechanization and Technology |
|   | 9, 10, 11, 12<br>DC            | 10, 11, 12<br>DC                       | 10, 11, 12<br>DC                         | 12                                   |
| Agriscience- Animals                    | 7117 Principles of Agriculture | 5008 Animal Science                    | 5070 Advanced Life Science: Animals      | 7262 Agricultural Research           |
|   | 9, 10, 11, 12<br>DC            | 9, 10, 11, 12<br>DC                    | 11, 12<br>DC                             | 12                                   |
| Agriscience-Foods                       | 7117 Principles of Agriculture | 5008 Animal Science                    | 5072 Advanced Life Science: Foods        | 7262 Agricultural Research           |
|   | 9, 10, 11, 12<br>DC            | 9, 10, 11, 12<br>DC                    | 11, 12<br>DC                             | 12                                   |
| Horticulture                            | 7117 Principles of Agriculture | 5132 Horticultural Science             | 7114 Greenhouse and Soilless Production  | 7232 Horticulture Capstone           |
|   | 9, 10, 11, 12<br>DC            | 9, 10, 11, 12<br>DC                    | 10, 11, 12<br>DC                         | 12                                   |
| Precision Agriculture                   | 7117 Principles of Agriculture | 7116 Precision Agriculture             | 7113 Crop Management                     | 7236 Precision Agriculture Capstone  |
|   | 9, 10, 11, 12<br>DC            | 10, 11, 12                             | 10, 11, 12                               | 12                                   |




| Architecture and Construction                     |   |   |  |   |
|---|---|---|--|---|
| Pathway Area                                      | Principles Course   | Concentrator A                            | Concentrator B                           |   |
| Construction Trades<br>ABC Prep Academy<br>Year 1 | 7130 Principles of Construction Trades  | 7123 CT: General Carpentry                | 7122 CT: Framing & Finishing             | Courses in pathway are offered at the<br>ABC Prep Academy site, located on<br>Indianapolis Avenue in Lebanon. |
|   | 11, 12<br>Courses taken concurrently<br>Student must provide own transportation | DC  |  |   |
| Construction Trades<br>ABC Prep Academy<br>Year 2 | 7242 Construction Trades Capstone   | 7133 Principles of Plumbing & Pipefitting | 7129 Plumbing & Pipefitting Fundamentals |   |
|   | 12<br>Courses taken concurrently<br>Student must provide own transportation     | DC  |  |   |


| Business Management and Administration, Finance and Marketing |  |                              |                             |                                      |
|---|--|------------------------------|-----------------------------|--------------------------------------|
| Pathway Area  | Principles Course                      | Concentrator A               | Concentrator B              | Pathway Capstone                     |
| Accounting  | 4562 Principles of Business Management | 4524 Accounting Fundamentals | 4522 Advanced Accounting    | 7252 Accounting Capstone             |
|   | 9, 10, 11, 12<br>DC                    | 10, 11, 12<br>DC             | 11, 12                      | 12                                   |
| Finance and Investment  | 4562 Principles of Business Management | 4524 Accounting Fundamentals | 5258 Finance and Investment | 7265 Finance and Investment Capstone |
|   | 9, 10, 11, 12<br>DC                    | 10, 11, 12                   | 11, 12                      | 12                                   |
| Marketing and Sales   | 4562 Principles of Business Management | 5914 Marketing Fundamentals  | 5918 Strategic Marketing    | 7201 Business Management Capstone    |
|   | 9, 10, 11, 12<br>DC                    | 10, 11, 12<br>DC             | 10, 11, 12                  | 12                                   |

| Education & Training |                             |  |  |                                     |
|----------------------|-----------------------------|--|--|-------------------------------------|
| Pathway Area         | Principles Course           | Concentrator A   | Concentrator B   | Pathway Capstone                    |
| Education Careers    | 7161 Principles of Teaching | 7157 Child and Adolescent Development  | 7162 Teaching and Learning   | 7267 Education Professions Capstone |
|                      | 9, 10, 11, 12               | 10, 11, 12  | 10, 11, 12  | 12<br><i>COMING SOON!</i>           |

| Health Sciences |   |  |  |   |
|-----------------|---|--|--|---|
| Pathway Area    | Principles Course   | Concentrator A   | Concentrator B   | Work-Based Learning                     |
| Pre-Nursing     | 7168 Principles of Healthcare   | 5274 Medical Terminology   | <i>Course Option Not Available for CTE Concentrator</i><br><i>Local Suggestion is course</i><br><b>5276 Anatomy &amp; Physiology</b> | 5974 Capstone Work-Based Learning       |
|                 | 9, 10, 11, 12  | 10, 11, 12  |  | 12<br>Double-block, off-site experience |

| Hospitality and Tourism |   |  |  |                        |
|-------------------------|---|--|--|------------------------|
| Pathway Area            | Principles Course   | Concentrator A   | Concentrator B   | Pathway Capstone       |
| Culinary Arts           | 7173 Principles of Culinary and Hospitality   | 7171 Nutrition   | 7169 Culinary Arts   | 7233 Culinary Capstone |
|                         | 9, 10, 11, 12  | 10, 11, 12  | 11, 12  | 12                     |

| STEM          |  |   |   |                                       |
|---------------|--|---|---|---------------------------------------|
| Pathway Area  | Principles Course  | Concentrator A  | Concentrator B  | Pathway Capstone                      |
| Biotechnology | 7340 Principles of Biotechnology   | 7341 Biotech Manufacturing  | 7342 Biotech Regulatory Affairs   | 7344 Biotechnology Capstone           |
|               | 9, 10, 11, 12  | 10, 11, 12  | 10, 11, 12  | 12<br><i>COMING SOON!</i>             |
| Engineering   | 4802 Introduction to Engineering Design  | 5644 Principles of Engineering  | 5650 Civil Engineering and Architecture   | 5698 Engineering Design & Development |
|               | 9, 10, 11, 12  | 10, 11, 12  | 11, 12  | 12                                    |

| Other CTE Courses |  |                          |   |
|-------------------|--|--------------------------|---|
|                   | Course   | Recommended Grade Levels | Additional Information                        |
| Electives         | 5276 Anatomy and Physiology  | 11, 12                   | Fulfills science course req. for all diplomas |
|                   | 5974 Capstone Work-Based Learning: Cadet Teaching  | 12                       | Student must provide own transportation       |
|                   | 5974 Capstone Work-Based Learning  | 12                       | Student must provide own transportation       |
|                   | 5966 Entrepreneurship & New Ventures  | 11, 12                   |   |
|                   | 4540 Personal Financial Responsibility   | 11, 12                   | 1 semester course offering                    |



\*Icon indicates if a course is offered for dual credit

Revised: 11/29/23