*Note: All programs require the completion of at least two courses in a state-recognized CTE program with the exception of Barber/Master Hair Care and Cosmetology, which require three.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Agriculture, Food, and Natural Resources** | | | | | |
| **CIP Code** | **Program** | **Course Code** | **Course Name**  **First Selection**  **(Select One)** | **Course Code** | **Course Name**  **Second Selection**  **(Select One)** |
| 010205 | Agricultural Mechanics and Technology | 5660 5692 | Agricultural Mechanics and Technology  Biosystems Mechanics and Engineering | 5610  5611  5621 | Agricultural Power Mechanics  Agricultural Structural Mechanics  Equipment Operations and Maintenance |
| 140301 | Biosystems Engineering Technology | 5691 | Agricultural and Biosystems Science | 5692 | Biosystems Mechanics and Engineering |
| 030101 | Environmental and Natural Resources Management | 5626 | Environmental and Natural Resources Management | 5627  5642  5674 | Soil and Water Conservation  Forestry  Wildlife Management |
| 010601 | Horticulture | 5650 | Introduction to Horticulture | 5634  5667  5670  5672  5654  5655 | Floriculture  Golf Course Technology  Landscape Technology  Nursery, Greenhouse, and Garden Center Technology  Turf and Lawn Management  Sports Turf Management |
| 011101 | Plant and Animal Systems | 5624  5691 | Agricultural Science and Technology  Agricultural and Biosystems Science | 5614  5663  5679  5657  5646  5647  5612  5613  5627  5603 | Agricultural Crop Production and Management  Aquaculture  Equine Science  Food Processing  Cattle Production  Farm Animal Production  Small Animal Care  Introduction to Veterinary Science  Soil and Water Conservation  Animal Science |
| Do you agree with course selections:  Yes  No | | | Comments: | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Agriculture and Construction** | | | | | |
| **CIP Code** | **Program** | **Course Code** | **Course Name**  **First Selection**  **(Select One)** | **Course Code** | **Course Name**  **Second Selection**  **(Select One)** |
| 460000 | Building Construction Cluster | 6060 | Building Construction Cluster 1 | 6061 | Building Construction Cluster 2 |
| 480703 | Cabinetmaking | 6080 | Cabinetmaking 1 | 6081 | Cabinetmaking 2 |
| 460201 | Carpentry | 6091 | Carpentry 1 | 6092 | Carpentry 2 |
| 460301 | Electricity | 6287 | Electricity 1 | 6288 | Electricity 2 |
| 470201 | HVAC Technology | 6003 | HVAC Technology 1 | 6004 | HVAC Technology 2 |
| 460101 | Masonry | 6250 | Masonry 1 | 6251 | Masonry 2 |
| 460503 | Plumbing | 6280 | Plumbing 1 | 6281 | Plumbing 2 |
|  |  |  |  |  |  |
| Do you agree with course selections:  Yes  No | | | Comments: | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Arts, Audio-Video Technology, and Communication** | | | | | |
| **CIP Code** | **Program** | **Course Code** | **Course Name**  **First Selection**  **(Select One)** | **Course Code** | **Course Name**  **Second Selection**  **(Select One)** |
| 151301 | Architecture/Mechanical Design | 6170  6172 | Architecture Design 1  Mechanical Design 1 | 6171  6173 | Architecture Design 2  Mechanical Design 2 |
| 500402 | Digital Art and Design | 6120 | Digital Art and Design 1 | 6121 | Digital Art and Design 2 |
| 500407 | Fashion Design and Apparel Construction | 5710 | Fashion Design and Apparel Construction 1 | 5711 | Fashion Design and Apparel Construction 1 |
| 100301 | Graphic Communications | 6200 | Graphic Communications 1 | 6288 | Graphic Communications 2 |
| 500408 | Interior Design | 5455 | Interior Design 1 | 5456 | Interior Design 2 |
| 100299 | Media Technology | 6124 | Media Technology 1 | 6125 | Media Technology 2 |
|  |  |  |  |  |  |
| Do you agree with course selections:  Yes  No | | | Comments: | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Business Management and Administration** | | | | | |
| **CIP Code** | **Program** | **Course Code** | **Course Name**  **First Selection**  **(Select One)** | **Course Code** | **Course Name**  **Second Selection**  **(Select One)** |
| 520401 | Administrative Services | 5122 | Administrative Support Technology | 5020 | Integrated Business Applications 1 |
| 521206 | Business Information Management | 5340 | Image Editing | 5176 | Digital Publication Design |
| 520201 | General Management | 5001 | Accounting 1 | 5400 | Entrepreneurship |
| 521001 | Human Resources Management | 5093 | Fundamentals of Human Resources | 5044 | Business Law |
| 520204 | Operations Management | 5150 | Virtual Enterprise 1 | 5151 | Virtual Enterprise 2 |
|  |  |  |  |  |  |
| Do you agree with course selections:  Yes  No | | | Comments: | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Education and Training** | | | | | |
| **CIP Code** | **Program** | **Course Code** | **Course Name**  **First Selection**  **(Select One)** | **Course Code** | **Course Name**  **Second Selection**  **(Select One)** |
| 131210 | Early Childhood Education | 5700 | Early Childhood Education 1 | 5701 | Early Childhood Education 2 |
| 130101 | Introduction to Teaching | 5703 | Introduction to Teaching 1 | 5704 | Introduction to Teaching 2 |
|  |  |  |  |  |  |
| Do you agree with course selections:  Yes  No | | | Comments: | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Finance** | | | | | |
| **CIP Code** | **Program** | **Course Code** | **Course Name**  **First Selection**  **(Select One)** | **Course Code** | **Course Name**  **Second Selection**  **(Select One)** |
| 520801 | Academy of Finance\*\*  A program with a list of prescribed courses. |  | N/A |  | N/A |
| 520301 | Accounting | 5001 | Accounting 1 | 5005 | Accounting 2 |
| 520803 | Banking Services | 5273 | Business Finance | 5271 | Banking Services |
| 520804 | Business Finance | 5273 | Business Finance | 5001 | Accounting 1 |
| 521701 | Insurance | 5273 | Business Finance | 5275 | Insurance and Risk Managment |
|  |  |  |  |  |  |
| Do you agree with course selections:  Yes  No | | | Comments: | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Government and Public Administration (under development)** | | | | | |
| **CIP Code** | **Program** | **Course Code** | **Course Name**  **First Selection**  **(Select One)** | **Course Code** | **Course Name**  **Second Selection**  **(Select One)** |
| TBD | Governance |  | TBD |  | TBD |
| TBD | Government Management and Administration |  | TBD |  | TBD |
|  |  |  |  |  |  |
| Do you agree with course selections:  Yes  No | | | Comments: | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Health Science** | | | | | |
| **CIP Code** | **Program** | **Course Code** | **Course Name**  **First Selection**  **(Select One)** | **Course Code** | **Course Name**  **Second Selection**  **(Select One)** |
| 260102 | Biomedical Sciences (Project Lead the Way) | 5580 | PLTW-Principles of Biomedical Science | 5581 | PLTW-Human Body Systems |
| 510999 | Emergency Medical Services | 5531 | Emergency Medical Services 1 | 5532 | Emergency Medical Services 2 |
| 510706 | Health Informatics  (Phasing out) | 5505 | Health Informatics 1 – Data and Use | 5506 | Health Informatics 2 – Transforming Data into Information |
| 510000 | Health Science | 5550 | Health Science 1 | 5551 | Health Science 2 |
| 511600 | Practical Nursing | 5550  5531  5555  5580 | Health Science 1  Emergency Medical Services 1  Sports Medicine 1  PLTW-Principles of Biomedical Sciences | 5551  5532  5556  5581 | Health Science 2  Emergency Medical Services 1  Sports Medicine 2  PLTW-Human Body Systems |
| 310505 | Sports Medicine | 5555 | Sports Medicine 1 | 5556 | Sports Medicine 2 |
|  |  |  |  |  |  |
| Do you agree with course selections:  Yes  No | | | Comments: | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Hospitality and Tourism** | | | | | |
| **CIP Code** | **Program** | **Course Code** | **Course Name**  **First Selection**  **(Select One)** | **Course Code** | **Course Name**  **Second Selection**  **(Select One)** |
| 520905 | Culinary Arts Management | 5720 | Culinary Arts Management 1 | 5721  5723 | Culinary Arts Management 2  Baking and Pastry |
| 520904 | Hospitality and Tourism Management | 5478 | Introduction to Hospitality and Tourism Management | 5473  5475  5474 | Lodging Management  Event and Entertainment Management  Travel and Tourism Management |
|  |  |  |  |  |  |
| Do you agree with course selections:  Yes  No | | | Comments: | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Human Services/Family and Consumer Sciences** | | | | | |
| **CIP Code** | **Program** | **Course Code** | **Course Name**  **First Selection**  **(Select One)** | **Course Code** | **Course Name**  **Second Selection**  **(Select One)** |
| 120402 | Barber/Master Hair Care | 6158 | Barber/Master Hair Care 1 | 6159  6160 | Barber/Master Hair Care 2  Barber/Master Hair Care 3 (see note) |
| 120401 | Cosmetology | 6150 | Cosmetology 1 | 6151  6152 | Cosmetology 2  Cosmetology 3 (see note) |
| 120409 | Esthetics | 6162 | Esthetics 1 | 6163 | Esthetics 2 |
| 120410 | Nail Technology | 6154 | Nail Technology 1 | 6155 | Nail Technology 2 |
| 190101 | Family and Consumer Sciences | 5820 | Family Life Education 1 | 5821 | Family Life Education 2 |
|  | Note: Any two of these courses would qualify for concentrator status. The combination can be levels one and two of one course or level one of two different courses that prepares a student to earn an industry or postsecondary recognized credential. | 5800  5808  5804  5812  5824  5830  5834  5816  5759 | Child Development 1  Family and Consumer Sciences 1  Fashion, Fabric, and Design 1  Financial Fitness 1  Food and Nutrition 1  Housing and Interiors 1  Human Development: Responsible Life  Choices  Parenting Education 1  Sports Nutrition 1 | 5801  5809  5805  5813  5825  2831  5835  5817  5760 | Child Development 2  Family and Consumer Sciences 2  Fashion, Fabric, and Design 2  Financial Fitness 2  Food and Nutrition 2  Housing and Interiors 2  Human Development: Responsible Life  Choices  Parenting Education 2  Sports Nutrition 2 |
|  |  |  |  |  |  |
| Do you agree with course selections:  Yes  No | | | Comments: | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Information Technology** | | | | | |
| **CIP Code** | **Program** | **Course Code** | **Course Name**  **First Selection**  **(Select One)** | **Course Code** | **Course Name**  **Second Selection**  **(Select One)** |
| 151202 | Information Support and Services | 5320 | Computer Repair and Service | 5321 | Advanced Computer Repair and Service |
| 110901 | Networking Systems | 5310 | Networking Fundamentals | 5311 | Advanced Networking |
| 110201 | Programming and Software Development | 5050  5056  5052  5054  5324 | Computer Programming 1  Computer Programming with C++1  Computer Programming with Java 1  Computer Programming with Visual Basic 1  Database Design and Programming with SQL | 5051  5057  5053  5055  5326 | Computer Programming 2  Computer Programming with C++2  Computer Programming with Java 2  Computer Programming with Visual Basic 2  Database Design and Programming with SQL |
| 110801 | Web and Digital  Communications | 5031 | Fundamentals of Web Page Design and Development | 5033 | Advanced Web Page Design and Development |
|  |  |  |  |  |  |
| Do you agree with course selections:  Yes  No | | | Comments: | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Law, Public Safety, Corrections, and Security** | | | | | |
| **CIP Code** | **Program** | **Course Code** | **Course Name**  **First Selection**  **(Select One)** | **Course Code** | **Course Name**  **Second Selection**  **(Select One)** |
| 430203 | Emergency and Fire Management Services | 6514 | Firefighter 1 | 6515 | Firefighter 2 |
| 430107 | Law Enforcement Services | 6510 | Law Enforcement Services 1 | 6511 | Law Enforcement Services 2 |
|  |  |  |  |  |  |
| Do you agree with course selections:  Yes  No | | | Comments: | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Manufacturing** | | | | | |
| **CIP Code** | **Program** | **Course Code** | **Course Name**  **First Selection**  **(Select One)** | **Course Code** | **Course Name**  **Second Selection**  **(Select One)** |
| 470101 | Electronic Technology | 6133 | Electronic Technology 1 | 6134 | Electronic Technology 2 |
| 480503 | Machine Technology | 6230 | Machine Technology 1 | 6231 | Machine Technology 2 |
| 150613 | Integrated Production Technology | 6222 | Advanced Technology for Design and Production | 6223 | Systems of Advanced Technology |
| 150404 | Mechatronics Integrated Technologies | 6210 | Mechatronics Integrated Technologies 1 | 6211 | Mechatronics Integrated Technologies 2 |
| 480501 | Metal Fabrication | 6260 | Metal Fabrication 1 | 6261 | Metal Fabrication 2 |
| 480508 | Welding Technology | 6340 | Welding Technology 1 | 6341 | Welding Technology 2 |
|  |  |  |  |  |  |
| Do you agree with course selections:  Yes  No | | | Comments: | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Marketing** | | | | | |
| **CIP Code** | **Program** | **Course Code** | **Course Name**  **First Selection**  **(Select One)** | **Course Code** | **Course Name**  **Second Selection**  **(Select One)** |
| 090903 | Marketing | 5470  5422 | Advertising  Digital Media Marketing | 5421 | Marketing |
| 521401 | Marketing Management | 5421 | Marketing | 5431 | Marketing Management |
| 521402 | Marketing Analytics | 5421 | Marketing | 5423 | Marketing Analytics |
| 521802 | Merchandising | 5421 | Marketing | 5430 | Merchandising |
|  |  |  |  |  |  |
| Do you agree with course selections:  Yes  No | | | Comments: | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Science, Technology, Engineering, and Mathematics** | | | | | |
| **CIP Code** | **Program** | **Course Code** | **Course Name**  **First Selection**  **(Select One)** | **Course Code** | **Course Name**  **Second Selection**  **(Select One)** |
| 150501 | Aerospace Engineering Technology | 6386 | Fundamentals of Aerospace Technology | 6387  6050  6056 | Advanced Aerospace Technology  Principles of Engineering  Aerospace Engineering |
| 149999 | Clean Energy | 6380 | Clean Energy Systems | 6381 | Clean Energy Applications |
| 111003 | Computer and Information Systems  Security/Information Assurance | 5370 | Cyber Security Fundamentals | 5372 | Advanced Cyber Security |
| 110701 | Computer Science (Project Lead the Way) | 6372  6378 | Computer Science Essentials  Cyber Security (PLTW) | 6377  6377 | Computer Science Principles  Computer Science Principles |
| 143501 | Core Engineering | 6370 | Core Engineering 1 | 6371 | Core Engineering 2 |
| 190501 | Food Science | 5757 | Food Science 1 | 5758 | Food Science 2 |
| 110104 | Informatics (phasing out) | 6891 | Computers, Networks and Databases | 6892 | Design for the Digital World |
| 410000 | Innovations in Science and Technology | 6140 | The Nature of Science and Technology | 6141 | Core Application of Science and Technology |
| 140101 | Pre-Engineering (Project Lead the Way) | 6051 | Introduction to Engineering Design | 6050 | Principles of Engineering |
|  |  |  |  |  |  |
| Do you agree with course selections:  Yes  No | | | Comments: | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Transportation, Distribution, and Logistics** | | | | | |
| **CIP Code** | **Program** | **Course Code** | **Course Name**  **First Selection**  **(Select One)** | **Course Code** | **Course Name**  **Second Selection**  **(Select One)** |
| 470603 | Automotive Collision Repair Technology | 6020 | Automotive Collision 1 | 6021 | Automotive Collision 1 |
| 470604 | Automotive Technology | 6030 | Automotive Technology 1 | 6031 | Automotive Technology 2 |
| 470605 | Diesel Engine Technology | 6310 | Diesel Technology | 6311 | Diesel Technology 2 |
| 520203 | Global Logistics & Supply Chain Management | 6191 | Introduction to Logistics | 6192 | Functional Areas in Logistics |
| 470606 | Power Equipment Technology | 6300 | Power Equipment Technology 1 | 6301 | Power Equipment Technology 2 |
|  |  |  |  |  |  |
| Do you agree with course selections:  Yes  No | | | Comments: | | |