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| **Administrative and Professional Support** as of September 6, 2016 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTAPS001 Office Procedures  3 Semester Hours | 142005 Office Management | Affirmation |  |

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| **Agriculture and Environmental Systems (Various dates by pathway)** | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
| Agribusiness and Production Systems  As of September 19, 2016 | CTAGP001 Crop Production  3 semester hours | 010620 – Agronomic Systems | Full Submission |  |
| CTAGP002 Soil Fertility and Fertilizers  3 semester hours | 010610 - Greenhouse and Nursery Management | Affirmation |  |
| CTAGP003 Agribusiness Management  3 semester hours | 010115 – Business Management for Agriculture and Environmental Systems | Affirmation |  |
| Agriculture and Industrial Equipment  February 27, 2017 | CTAIE001 – Hydraulics and Pneumatics Systems  2 semester hours | 010225 – Hydraulics and Pneumatics | Full Faculty Review |  |
| Animal Science and Management  February 6, 2017 | CTASM001 Introduction to Animal Science, 3 semester hours | 010910 Animal Science and Technology | Affirmation |  |
|  | Introduction to Animal Science Lab | 010920 Livestock Selection | No submission available |  |
| Biotechnology for Food, Plant and Animal Science  November 16, 2016 | CTBTC001 - Biotechnology Principals  3 semester hours | 012010 Animal and Plant Bioresearch | Affirmation Form |  |
| CTBTC002 – Bioinformatics  3 semester hours | 012025 Bioresearch | Affirmation Form |  |
| Food Science  Dec. 9, 2016 | CTFSC001- Introduction to Food Processing  3 Semester Hours | 011010 – Science and Technology of Food | Affirmation |  |
| Horticulture  October 18, 2016 | CTHOR001 Floral Design and Marketing  3 semester hours | 010625 Floral Design and Marketing | Full Review  Until  WebXam |  |
| CTHR002 Landscape Maintenance  3 semester hours | 010640 Landscape Hardscapes | Affirmation Form |  |
| CTHOR003 Equipment Operations and Maintenance  3 semester hours | 010615 Landscape Systems Management | Full Review  Until WebXAm |  |
| CTHOR004 Plant and Horticulture Science  3 Semester Hours | 010155 Plant and Horticulture Science | Full Review  Until WebXAm |  |
| CTHOR005 Turf-Grass Management  3 Semester Hours | 010635 Turf Science and Management | Full Review  Until WebXAm |  |
| Industrial Power Technology  February 27, 2017 | CTAIE001 Hydraulics and Pneumatics Systems  2 Semester Hours | 010225 Hydraulics and Pneumatics  “C” Grade or better for CTAN credit | Full Review until WebXam |  |
| Natural Resource Management  As of September 27, 2016 | CTNRM001 - Environmental Science  3 semester hours | 010720 Environmental Science | Full |  |
| CTNRM002 - Field Botany  3 semester hours | 010710 Natural Resources | Affirmation |  |
| CTNRM003 - Field Zoology  3 semester hours | 010745 Wildlife and Fisheries | Affirmation |  |

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| **Air Transportation** as of December 7, 2015 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTAIR001 Air Transportation  3 semester hours | 177020 Aviation Airport Management | Full |  |
|  | CTAIR002 Aircraft Ground Operations  3 semester hours | 177014 Aviation Maintenance General | Affirmation |  |
|  | CTAIR003 Aviation Meteorology  3 semester hours | 177019 Aviation Meteorology | Full |  |
|  | CTAIR004 Introduction to Aviation  3 semester hours | 177013 Aviation | Full |  |
|  | CTAIR005 Private Pilot Theory  3 semester hours | 177021 Aviation Pilot Training | Full |  |

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| **Automotive Technology (ASE/NATEF required)** as of February 12, 2105 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
| Automotive | CTAUT005 Introduction to Automotive Service & Repair  2 semester hours | 177000 Ground Transportation Maintenance | Full  w/NATEF |  |
| Medium and Heavy Transportation | CTAUT006 Introduction to Medium and Heavy Transportation Equipment Technology  2 semester hours | 171200 Medium/Heavy Truck Technician | Full  w/NATEF |  |

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| **Clinical/Medical Laboratory Technology** as of December 7, 2015 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTMLT001 Introduction to Medical (Clinical) Laboratory Science  2 to 3 semester hours | 072100 Clinical Laboratory Techniques | Full |  |

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| **Construction Technology** as of February 23, 2016 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTCON001 Plan Reading  3 Semester Hours | 178019 Plan Reading | Affirmation |  |
|  | CTCON002 Construction Safety  3 Semester Hours | 178018 Construction Safety | Full |  |
|  | CTCON003 Construction Methods and Materials  3 Semester Hours | 178001 Carpentry and Masonry Technical Skills | Affirmation |  |

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| **Criminal Justice** as of January 16, 2015 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTCJ001 Introduction to Criminal Justice – 3 sem. Hours | 170911 The American Criminal Justice System  170913 Police Work and Practice in Public Safety  170915 The Correctional System and Services  **All 3 secondary courses are required to meet this CTAN** | Affirmation |  |

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| **Culinary Arts is now under Hospitality, Tourism and Culinary Arts (See Hospitality later in crosswalk)**  **Culinary and Food Services Management** as of June 8, 2017 |

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| **Early Childhood Education** as of June 19, 2017 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTECE001 Introduction to Early Childhood Education Development  3 semester hours | 3502025 Early Childhood Development Principals  “C” or better on ODE Course | Full Review until WebXam |  |
|  | CTECE002 Health, Safety, and Nutrition  2 Semester Hours | 350230 Health Safety, and Nutrition  “C” or better on ODE Course | Full Review until WebXam |  |
|  | CTECE003 Infant and Toddler Curriculum  3 Semester Hours | 350210 Infant and Toddler Education  “C” or better on ODE Course | Full Review until WebXam |  |

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| **Education** revised June 26, 2017 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | ~~CTED001 – Introduction to Education 2- 3 Semester~~ | ~~No course match at this time~~ | ~~Full~~ |  |
| Note: This is a TAG and CTAG | CTEDU007/OED007 Introduction to Education  3 Semester Hours | 350010 Introduction to Education  “C” or better on ODE Course  Portfolio required | Full Faculty Review by TAG panel  WebXam forthcoming |  |

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| **Electrical Engineering Technology** as of June 22, 2015 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
| Note: This is a TAG and CTAG | CTEET001 – DC Circuits (shared with OAN OET001)  3 semester hours | 1755011 DC and AC Electronic Circuits  or  175002 Engineering Principals  and  In some cases 175004 Robotics  **OTC** – approved Electronics (CT)2 program | Full |  |
|  | CTEET002 – Digital Electronics (shared OAN OET002)  4 semester hours | 175007 Digital Electronics | Full |  |
|  | CTEET003 Programmable Logic Controls  3 semester hours | 175004 Robotics  **OTC** – approved Electronics (CT)2 program | Full |  |
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| **Emergency Medical Services** as of October 23, 2014 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
| EMR | CTEMS001 Emergency Medical Responder  2 semester hours | No course match at this time | Full |  |
| EMT | CTEMS002 Emergency Medical Technician  7 semester hours | No course match at this time | Full |  |
| Advanced EMT | CTEMS003 Advanced Emergency Medical Technician  8 semester hours | No course match at this time | Full |  |
| Paramedic | CTEMS004 Paramedic  30 semester hours | No course match at this time | Full |  |

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| **Entrepreneurship** as of November 16, 2015 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTENTR001 Introduction to Entrepreneurship  3 semester hours | 141030 Strategic Entrepreneurship | Affirmation |  |

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| **Exercise Science** as of December 7, 2015 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTES001 Introduction to Exercise Science 3 semester hours | 072000 Exercise and Athletic Training | Full |  |
|  | CTES002 Fitness and Health Foundations 3 semester hours | 072020 Fitness Evaluation and Assessment | Full |  |

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| **Fire Science Technology** dates vary by course | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
| Fire Fighter I  October 23, 2014 | CTFF002 Firefighter I  7 semester hours | No Course match at this time | Reference  ODHE Website |  |
| Fire Fighter II  October 23, 2014 | CTFF003 Career Firefighter I and II – 11 semester hours | No course match at this time | Reference  ODHE Website |  |
| Volunteer Fire Fighter  October 17, 2008 | CTVFF001 Volunteer Fire Fighter  No semester hours listed | No course match at this time | Reference  ODHE Website |  |
| Fire Safety Inspector  October 17, 2008 | CTFINSP001 Fire Safety Inspector 3 semester hours | No course match at this time | Reference  ODHE Website |  |
| Fire Service Inspector  March 17, 2011 | CTFSI001 Fire Service Inspector  3 semester hours | No course match at this time | Reference  ODHE Website |  |

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| **Food Science** as of December 9, 2016 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
| See Agriculture Pathway | CTFSC001 Introduction to Food Processing  3 Semester Hours | 011010 Science and Technology of Food | Affirmation |  |

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| **Health Information Management** as of February 20, 2015 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTHIM001 Introduction to Health Information Management  3 semester hours | 072135 Health Information Technology | Full |  |
|  | CTHIM002 Legal and Ethical Aspects of Health Information Management  (shared OAN OHL021)  2 semester hours | 072140 Health Information Management | Full |  |

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| **Hospitality, Tourism and Culinary Arts** as of June 8, 2017 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTCF001 Sanitation and Safety  2 sem. credit. | 330000 Hospitality Fundamentals | Full w/ServSafe |  |
|  | CTCF002 Introduction to Hospitality and Tourism  2 sem. Hours. | 330000 Hospitality Fundamentals  “C” or better on ODE Course | Full review until WebXam |  |
|  | CTCF005 Basic Food Production  4 Semester Hours | 330100 Fundamentals of Food Production  “C” or better on ODE Course | American Culinary Federation (ACF) Certificate or  Full review until WebXam |  |
|  | CTCF006 Front Office Operations  2 Semester Hours  Note: This is not for Secondary Institutions they must submit CTCF008 for this CTAN | 330030 Front office and Management Operations | Full Review |  |
|  | CTCF007 Technology in the Hospitality Industry  2 Semester hours | 330035 Hospitality Management  “C” or better on ODE Course | Full Review until WebXam |  |
|  | CTCF008 Front Office Operations AND Housekeeping Operations for the Lodging Industry  3 semester hours  Secondary Institutions should submit for this CTAN and not CTCF006 | 330030 Front Office Management and Operations  “C” or better on ODE Course | Full Review until WebXam |  |
|  | CTCF009 Food Principles and Purchasing  3 Semester hours | 330120 Restaurant Management  “C” or better on ODE Course | Full Review until WebXam |  |

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| **HVAC/R Technology** | | | | |
| **HVAC/R Technology - Currently Under Revision. Please do not make submissions at this time.** | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | ~~HVACI001 Heating Ventilation and Air Conditioning/Refrigeration~~  ~~22 semester hours~~ | ~~No course matches at this time~~ | Do NOT submit |  |
| **HVAC/R Technology - Currently Under Revision. Please do not make submissions at this time.** | | | | |

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| **Industrial Power Technology** February 27, 2017 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
| See Agriculture Pathways | CTAIE001 Hydraulics and Pneumatics Systems  2 Semester Hours | 010225 Hydraulics and Pneumatics  “C” Grade or better to earn CTAN | Full Review until WebXam |  |

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| **Information Support Services/Network Systems** as of May 5, 2016  **Reference ODHE Website for more specifics for each course’s requirements** | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTIT002 Networking/COMP TIA Network +  3 semester hours | 145035 Networking  **and**  145045 Network Management | Affirmation |  |
|  | CTIT005 Introduction to Desktop Operating Systems  3 semester hours | 145030 Computer Software | Affirmation |  |
| **Submit either this CTAN or CTIT015 Not both (see below)** | CTIT006 Introduction to User Support  3 semester hours | 145050 Network Security | Affirmation |  |
|  | CTIT007 Cisco I: CCNA 1—Introduction to Networks  3 semester hours | Follow Cisco curriculum standards and course requirements and submit proof of Cisco curriculum to the CEMS  (see ODHE Website for more specifics) | Full  w/CISCO |  |
|  | CTIT008 Cisco II: CCNA 2—Routing and Switching Essentials  3 semester hours | Follow Cisco curriculum standards and course requirements and submit proof of Cisco curriculum to the CEMS  (see ODHE Website for more specifics) | Full  w/CISCO |  |
|  | CTIT009 Cisco III: CCNA 3—Scaling Networks  3 semester hours | Follow Cisco curriculum standards and course requirements and submit proof of Cisco curriculum to the CEMS  (see ODHE Website for more specifics) | Full  w/CISCO |  |
|  | CTIT010 Cisco IV: CCNA 4—Connecting Networks  3 semester hours | Follow Cisco curriculum standards and course requirements and submit proof of Cisco curriculum to the CEMS  (see ODHE Website for more specifics) | Full  w/CISCO |  |
|  | CTIT011 Microsoft Windows Desktop Operating System  3 semester hours | 145030 Computer Software  **and**  145040 Network Operating Systems | Affirmation |  |
| **Submit either this CTAN or CTIT016 Not both (see below)** | CTIT013 Microsoft Server Administration  3 semester hours | 145040 Network Operating Systems | Affirmation |  |
|  | CTIT014 PC Operating System, Hardware Operation and Maintenance/A+ 3 semester hours | 145025 Computer Hardware  **and**  145030 Computer Software | Affirmation |  |
| **Submit either this CTAN or CTIT006 Not both (see above)** | CTIT015 CompTIA Security +  3 semester hours | 145050 Network Security | Affirmation |  |
| **Submit either this CTAN or CTIT013 Not both (see above)** | CTIT016 Linux  3 semester hours | 145040 Network Operating Systems | Affirmation |  |
| **Please reference additional notes for these CTANS on ODHE’s website at:** [**https://www.ohiohighered.org/transfer/ct2/ctags**](https://www.ohiohighered.org/transfer/ct2/ctags) | | | | |

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| **Interactive Media Technology** as of February 20,2**015** | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTIM001 2D Animation  3 semester hours | 145115 Animation | Affirmation |  |
|  | CTIM002 Raster Graphics  3 semester hours | 145100 Creating and Editing | Affirmation |  |
|  | CTIM003 Vector Graphics  3 semester hours | 145105 Multimedia and Image Management Techniques | Affirmation |  |
|  | CTIM004 Internet and Web Languages  3 semester hours | 145010 Web Design | Affirmation |  |
|  | CTIM005 Graphical Website  3 semester hours | 145125 Interactive Application Development | Affirmation |  |
|  | CTIM006 Digital Video Production  3 semester hours | 145110 Video and Sound | Affirmation |  |
|  | CTIM007 3D Modeling and Animation  3 semester hours | 145120 3D Design | Affirmation |  |
|  | CTIM008 Electronic Publishing  3 semester hours | 145095 Design Techniques | Affirmation |  |

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|  | **Mechanical Engineering Technology** as of April 28, 2008 | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTMET004 Manufacturing Processes (shared OAN OET010)  3 semester hours | 175003 Manufacturing Operations | Full |  |
|  | CTMET005 Computer Aided Drafting CADD (share OAN OET012)  3 semester hours | 175001 Engineering Design | Full |  |
|  |  | *NOTE: CTE Adult Ed 170006 Manufacturing Technologies and CTE Adult Ed 172303 Manufacturing Operations* |  |  |

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| **Media Arts** as of June 1, 2016 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTMDA001 Introduction to Digital Media Arts and Media Design  3 semester hours | 340325 Digital Media Art | Full |  |
|  | CTMDA002 Introduction to Audio Production (OAN OCM007)  3 semester hours | 340130 Audio Broadcast | Affirmation |  |
|  | CTMDA003 Introduction to Single Camera Video Production (OAN OCM008)  3 semester hours | 340145 Video Production | Affirmation |  |
|  | CTMDA004 Multi-Media Production for the Web  3 semester hours | 340160 Multi-Media Web Production | Affirmation |  |

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| **Medical Assistant Technology reaffirmed June 12, 2013** | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTMAT004 Perform Basic Administrative Medical Assisting Functions  1 semester hour | No course matches at this time | Full |  |
|  | CTMAT005 Perform Bookkeeping Functions  2 semester hours | No course matches at this time | Full |  |
|  | CTMAT006 Process Insurance Claims  3 semester hours | No course matches at this time | Full |  |
|  | CTMAT008 Fundamental Procedures  3 semester hours | No course matches at this time | Full |  |
|  | CTMAT009 Specimen Collection  2 semester hours | No course matches at this time | Full |  |
|  | CTMAT010 Diagnostic Testing  2 semester hours | No course matches at this time | Full |  |
|  | CTMAT011 Patient Care  5 semester hours | No course matches at this time | Full |  |

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| **Medical Management and Support** as of September 7, 2016 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTMMS001 Medical Office Procedures  3 Semester Hours | 142015 Medical Office Management | Affirmation |  |
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| **Medical Terminology** as of Dec 7, 2015 (or Feb. 5, 2015?) | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
| This is a TAG and CTAG course | CTMT001 Medical Terminology (shared OAN OHL020)  3 semester hours | 072150 Medical Terminology  “C” or better for credit | Full |  |

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| **Nursing – Practical Nursing to Associate Degree** as of March 27, 2008 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTNUR001 – Practical Nurse Technical Learning Outcomes  30% of the nursing technical Degree | No secondary matches at this time | Full |  |

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| **Natural Resource Management** as of September 27, 2016 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
| See Agriculture Pathway | CTNRM001 Environmental Science  3 Semester Hours | 010720 Environmental Science for Agriculture and Natural Resources | Full Review until WebXAm |  |
| CTNRM002 Field Botany  3 Semester Hours | 010710 Natural Resources | Affirmation |  |
| CTNRM003 Field Zoology  3 Semester Hours | 010745 Wildlife and Fisheries | Affirmation |  |

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| **OSHA 10 Hour Safety** as of August 9, 2012 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTS001 Safety  Follow OSHA 10 General Safety Card  1 semester hour |  | Full |  |

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| **Performing Arts** as of July 15, 2016 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTPAT001 Stagecraft  OAN OAH028  3 semester hours | 340250 Stagecraft | Affirmation |  |
|  | CTPAT002 Dance Performance Practicum  1-3 semester hours | 340220 Choreography | Full |  |

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| **Pharmacy Technician** as of August 26, 2012 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTPT001 Introduction to Pharmacy Technician  5 semester hours | No course matches at this time | Full |  |
|  | CTPT002 Pharmacy Concepts  5 semester hours | No course matches at this time | Full |  |
|  | CTPT003 Pharmacy Laboratory/Clinical Experience  3 semester hors | No course matches at this time | Full |  |

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| **Police Office Training – Basic** | | | | |
| |  | | --- | | **Police Officer Training (Basic) - Currently Under Revision. Please do not make submissions at this time.** | | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | ~~OPBTI001 Ohio Peace Officer Basic Training~~  ~~16 semester hours~~ | ~~No secondary equivalent~~ | Do NOT submit |  |
| |  | | --- | | **Police Officer Training (Basic) - Currently Under Revision. Please do not make submissions at this time.** | | | | | |

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| **Phlebotomy** as of August 29, 2012 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTP001 Phlebotomy  3 semester hours | No course matches at this time | Full |  |

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| **Programming** as of March 25, 2016 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTPROG001 Computer Logic  3 semester hours | 145060 Programming | Affirmation |  |
|  | CTPROG002 Java Programming  3 semester hours | 145065 Object Oriented Programming | Affirmation |  |
|  | CTPROG003 C++ Programming  3 semester hours | Make a CEMS course submission  Or  145065 Object Oriented Programming with Java or C++ Programming language—Course 145065 can only be used for one CTAN (CTPROG002 or CTPROG003) | Affirmation |  |
|  | CTIT012 Microsoft .NET Fundamentals  3 Semester Hours | 145070 Visual Programming | Affirmation |  |

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| **Renewable Energy** as of ~~August 9, 2012~~ updated November 16, 2016 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTAE001/ORE001 - Introduction to Alternative and Renewable Energy  3 semester hours | 010715 Energy Systems Management  (Per Rob Speckert)  PTLW – Fuel Cells | Affirmation  (was full) |  |
| **Institutions must choose to submit for either this CTAN or CTSP001 but not for both** | CTAE002/ORE005 – Wind Energy  3 semester hours | 010717 – Solar and Wind Energy | Full |  |
| **Institutions must choose to submit for either this CTAN or CTAE002 but not for both** | CTSP001 Solar Photovoltaic  3 semester hours | 010717 – Solar and Wind Energy | Full |  |

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| **Supply Chain Management** as of January 28, 2016 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTSCM001 Introduction to Supply Chain Management  3 semester hours | 142025 Supply Chain Management Technology | Full |  |
|  | CTSCM002 Logistics and Transportation  3 semester hours | 142030 Logistics Management | Full |  |
|  | CTSCM003 Purchasing, Sourcing and Supplier Management  3 semester hours | 142020 Operations Management | Full |  |
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| **Visual Design and Imaging** as of March 24, 2016 | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | CTVDI001 Design and Typography Fundamentals  3 semester hours | 340315 Visual Creation  or  340320 Digital Print Design | Affirmation |  |
|  | CTVDI002 Fundamentals of Advertising and Communications  3 semester hours | 340340 Advertising and Communication | Affirmation |  |
|  | CTVDI003 Beginning Digital Image Editing  3 semester hours | 340120 Digital Image Editing | Affirmation |  |
|  | CTVDI004 Fundamentals of Illustration and Layout  3 semester hours | 340330 Visual Distribution | Affirmation |  |

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| **Welding** | | | | |
| |  | | --- | | **Welding - Currently Under Revision. Please do not make submissions at this time.** | | | | | |
| **Pathway Name** | **CTAN Course** | **ODE Course** | **Submission** | **College Course** |
|  | ~~CTW001 TIG (GTAW) Plate Welding~~  ~~3 semester hours~~ | ~~No course matches at this time~~ | Do NOT Submit |  |
|  | ~~CTW002 TIG (GTAW) Pipe Welding~~  ~~3 semester hours~~ | ~~No course matches at this time~~ | Do NOT Submit |  |
|  | ~~CTW003 SMAW Plate Welding~~  ~~3 semester hours~~ | ~~No course matches at this time~~ | Do NOT Submit |  |
|  | ~~CTW004 SMAW Pipe Welding~~  ~~3 semester hours~~ | ~~No course matches at this time~~ | Do NOT Submit |  |
|  | ~~CTW005 GMAW Plate Welding~~  ~~3 semester hours~~ | ~~No course matches at this time~~ | Do NOT Submit |  |
|  | ~~CTW005 GMAW Pipe Welding~~  ~~3 semester hours~~ | ~~No course matches at this time~~ | Do NOT Submit |  |
| |  | | --- | | **Welding - Currently Under Revision. Please do not make submissions at this time.** | | | | | |

|  |  |
| --- | --- |
| **Ohio Department of Education Course Code** | **PLTW Course Title** |
|  |  |
| **175015 Pre-Engineering** | **GTT – Gateway to Technology** |
| **175001 Engineering Design** | **IED – Introduction to Engineering Design** |
| **175002 Engineering Principles** | **POE – Principles of Engineering** |
| **175004 Robotics** |  |
| **177013 Aviation1** | **AE – Aerospace Engineering** |
| **175006 Computer Integrated Manufacturing (CIM)** | **CIM – Computer Integrated Manufacturing** |
| **175007 Digital Electronics** | **DE- Digital Electronics** |
| **175009 Capstone (Engineering)** | **EDD – Engineering Design and Development (Capstone)** |
| **178020 Architecture Design – Structural** | **CEA – Civil Engineering & Architecture** |
| **10715 Energy Systems Management** | **Fuel Cell Technology** |
| **1 Course from Transportation Pathway** |  |
| **Biomedical Alignment** |  |
| **Ohio Department of Education Course Code** | **PLTW Course Title** |
| **072130 Genetics of Disease** | **MI – Medical Interventions** |
| **072125 Biotechnology for Health and Disease** | **BI – Biomedical Innovation (Capstone)** |
| **072110 Principles/Practices of Biomedical Technology** | **PBS – Principles of Biomedical Sciences** |
| **072040 Human Anatomy and Physiology** | **HBS – Human Body Systems** |