| OCAS Course Number and Name | Choice of Assessment/Certification Test | | | | Hrs. |
|---|---|---|---|---|---|
| | Certification - Owner of Test | ODCTE | Precision Exams by YouScience Micro-Credential | Other Micro-Credential | |

## 2025-2026 STEM Credential/Certification Guide

| OCAS Course Number and Name | Certification - Owner of Test | ODCTE | Precision Exams by YouScience Micro-Credential | Other Micro-Credential | Hrs. |
|---|---|---|---|---|---|
| **8704 Advanced Biotechnology I**<br>• Prerequisite Course: BioTech II | Biotility – University of Florida:<br>Biotechnician Assistant Credentialing Exam (8584)<br>CLEP Natural Science (6405)<br>NOCTI Biotechnology (8582) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455)<br>Lab Assistant (8201)<br>Clinical Laboratory Asst. (8202) | Biotechnology (8583) | | 120 hrs. |
| **8717 Advance Biotechnology II**<br>• Prerequisite Course: Advanced BioTech I | Biotility – University of Florida:<br>Biotechnician Assistant Credentialing Exam (8584)<br>CLEP Natural Science (6405) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455)<br>Lab Assistant (8201)<br>Clinical Laboratory Asst. (8202) | Biotechnology (8583) | | 120 hrs. |
| **8826 Advanced Design Applications**<br>• Prerequisite Course: Engineering Design | Certiport:<br>• Autodesk Inventor Certified User (2756)<br>• Autodesk Revit Certified User (2757) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | Engineering Principles I (4598)<br>Engineering Principles II (4599) | Engineering by Design:<br>Engineering Design (4601)<br>Adv Game Art Design (4602) | 120 hrs. |
| **8882 Advanced Mechanical Design Engineering**<br>• Ok Promise Computer Credit | Certiport: Autodesk Fusion 360 Certified User (2764) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | MakerBot:<br>MakerBot 3D Printing (0624) | 120 hrs. |
| **8160 Advanced Programming**<br>• Prerequisite Course: None<br>• OK Promise Computer Credit | OU: Code Sooner (0207)<br>Certiport:<br>Information Technology Specialist Java (*)<br>Information Technology Specialist Python (0272) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | Choose 1:<br>Computer Program IA (0210)<br>Computer Program II Java (0211)<br>Computer Programming IB Java 82401 (0212) | SHL Talent Central: Java (0691)<br>TOSA: JavaScript | 120 hrs. |
| **8866 Advanced Robotics Engineering**<br>• Prerequisite Course: Robotic *Engineering*<br>• OK Promise Computer Credit | Certiport: Autodesk Inventor Certified User (2756)<br>National Coalition of Certification Center:<br>Fundamentals of Robotics (1483)<br>Applied Robotics (1484)<br>Fundamentals of Robotics (1483) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | Robotics II (4594) | REC Foundations:<br>Robotics (4595)<br>Pre-Engineering (4596)<br>Carnegie Mellon University:<br>Coding and Computational Thinking with VEX V5 (0203)<br>MakerBot:<br>MakerBot 3D Printing (0624) | 120 hrs. |
| **8825 Advanced Technological Applications**<br>• Prerequisite Course: | Certiport:<br>Autodesk Inventor Certified User (2756)<br>Autodesk Fusion 360 Certified User (2764) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | MakerBot:<br>MakerBot 3D Printing (0624) | 120 hrs. |
| **8862 Advanced Tech for Design Production**<br>Prerequisite Course: | Certiport: Autodesk Inventor Certified User (2756)<br>Certiport: Autodesk Revit Certified User (2757) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | Engineering by Design:<br>Engineering Design (4601)<br>Adv Game Art Design (4602) | 120 hrs. |
| **8868 Aeroponics/Hydroponics/Aquaponics**<br>• Prerequisite Course: None | | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | | 120 hrs. |

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| **8883 Aerospace Capstone** | Remote Pilot Certificate - FAA 107 (2424)<br>Private Pilot Airplane – FAA Part 61 (2421)<br>Certified Aircraft Electronics Tech (CAET) (****)<br>ATEC: General Aviation Maintenance (2419) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455)<br>UAS Operator (2429)<br>General Elec Technician (4001)<br>Electronics Assembler (4002) | | | 120 hrs. |
| **8885 Aircraft Materials and Corrosion Control** | Choose Aerospace Certificate (2430)<br>ATEC: General Aviation Maintenance (2419) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | | 120 hrs. |
| **2535 AP Computer Science A (CSA)**<br>• Prerequisite Course: None<br>• OK Promise Computer Credit | *AP Computer Science A Exam (1727)*<br>OU: Code Sooner (0207)<br>Certiport:<br>Information Technology Specialist Java (*)<br>Information Technology Specialist JavaScript (*) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | Computer Program IA (0210)<br>Computer Program II Java (0211)<br>Computer Programming IB Java (0212) | SHL Talent Central: Java 8 (0691)<br>CodeHS Java 1 (0204)<br>PLTW EoC Computer Science A (4616) | 120 hrs. |
| **2536 AP Computer Science Principles**<br>• Prerequisite Course: None<br>• OK Promise Computer Credit | AP Computer Science Principles (1722)<br>Certiport: IT Specialist JavaScript (*) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | Computer Programming IB Java (0212)<br>Computer Programming II Java (0211) | CodeHS JavaScript 1 (0205)<br>PLTW EoC CS Principles (4614) | 120 hrs. |
| **8886 Applied Sciences of Aircraft Maintenance** | Choose Aerospace Certificate (2430)<br>ATEC: General Aviation Maintenance (2419) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | | 120 hrs. |
| **8903 Architecture Computer Aided Drafting and Design**<br>• Prerequisite Course: None<br>• OK Promise Computer Credit | Certiport:<br>Autodesk Revit Certified User (2757)<br>Autodesk AutoCAD Certified User (2755) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | CAD Architectural Design I (2709)<br>CAD Architectural Design II (2710) | | 120 hrs. |
| **8880 Architecture Design Engineering** | Certiport:<br>Autodesk Revit Certified User (2757)<br>Autodesk AutoCAD Certified User (2755) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | | 120 hrs. |
| **8874 Aviation I**<br>Launching into Aviation<br>Exploring Aviation & Aerospace | Remote Pilot Certificate - FAA 107 (2424)<br>Private Pilot Airplane – FAA Part 61 (2421)<br>UAS Operator (2429)<br>Trust Certificate (2420) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | | 120 hrs. |
| **8875 Aviation II**<br>Introduction to Flight<br>Aircraft Systems & Performance | Remote Pilot Certificate - FAA 107 (2424)<br>Private Pilot Airplane – FAA Part 61 (2421)<br>UAS Operator (2429)<br>Trust Certificate (2420) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455)<br>UAS Operator (2429) | | | 120 hrs. |
| **8876 Aviation III**<br>The Flying Environment & Nav<br>Human Factors<br>UAS Theory & Operations | Remote Pilot Certificate - FAA 107 (2424)<br>Private Pilot Airplane – FAA Part 61 (2421)<br>UAS Operator (2429)<br>Trust Certificate (2420) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455)<br>UAS Operator (2429) | | | 120 hrs. |
| **8876 Aviation IV** | Remote Pilot Certificate - FAA 107 (2424)<br>Private Pilot Airplane – FAA Part 61 (2421)<br>Trust Certificate (2420) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455)<br>UAS Operator (2429) | | | 120 hrs. |

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|---|---|---|---|---|---|
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| **8887 Basic Electricity** | National Coalition of Certifications Center: Introduction to Exploring Electricity (1469) Fundamentals of Electricity – AC (1470) Fundamentals of Electricity – DC (1471) AEA Certified Aircraft Electronics Tech (CAET) (****) ATEC: General Aviation Maintenance (2419) | CareerTech: Work Readiness Skills (0454) Job Seeking & Retention (0455) General Elec Technician (4001) Electronics Assembler (4002) | | | 120 hrs. |
| **8718 Biomedical Health Careers** <br> • Prerequisite Course: | | CareerTech: Work Readiness Skills (0454) Job Seeking & Retention (0455) | 21st Century Success Skills (0448) Preparing for College & Careers (0447) | Microburst Learning: Employability Soft Skills (0460) | 120 hrs. |
| **8702 Biotechnology I** <br> • Prerequisite Course: Survey of BioTech | Biotility – University of Florida: Biotechnician Assistant Credentialing Exam (8584) CLEP Natural Science (6405) NOCTI Biotechnology (8582) | CareerTech: Work Readiness Skills (0454) Job Seeking & Retention (0455) Lab Assistant (8201) Clinical Laboratory Asst. (8202) | Biotechnology (8583) Health Science, Introduction (8767) | | 120 hrs. |
| **8703 Biotechnology II** <br> • Prerequisite Course: Biotech I <br> • OK Promise Science Credit | Biotility – University of Florida: Biotechnician Assistant Credentialing Exam (8584) CLEP Natural Science (6405) NOCTI Biotechnology (8582) | CareerTech: Work Readiness Skills (0454) Job Seeking & Retention (0455) Lab Assistant (8201) Clinical Laboratory Asst. (8202) | Biotechnology (8583) | | 120 hrs. |
| **8867 Computer Science Discoveries** <br> • Prerequisite Course: None <br> • OK Promise Computer Credit | Certiport: Internet & Computing Core Certification (IC³) (0905) | CareerTech: Work Readiness Skills (0454) Job Seeking & Retention (0455) | Exploring Computer Science (1725) Code.org End of Course Exam* | ODCTE: Fundamentals of Technology (0901) | 120 hrs. |
| **8852 Computer Science Essentials** <br> • Prerequisite Course: None <br> • OK Promise Computer Credit | Certiport: Internet & Computing Core Certification (IC³) (0905) | CareerTech: Work Readiness Skills (0454) Job Seeking & Retention (0455) | Computer Technology (0902) IT, Introduction (1108) | SHL Talent Central: Computer Fundamentals (0951) Computer Literacy (0969) PLTW EoC CS Essentials (4617) | 120 hrs. |
| **8860 Computer Science Principles** <br> • Prerequisite Course: <br> • OK Promise Computer Credit | AP Computer Science Principles (1722) Certiport: IT Specialist Python (0272) | CareerTech: Work Readiness Skills (0454) Job Seeking & Retention (0455) | Computer Programming IA (0210) | PLTW EoC CS Principles (4614) | 120 hrs. |
| **8856 Core Applications of Science & Technology** <br> • Prerequisite Course: The Nature of Science and Technology | | CareerTech: Work Readiness Skills (0454) Job Seeking & Retention (0455) | | | 120 hrs. |
| **8858 Creativity & Innovations** <br> • Prerequisite Course: Impact of Science & Technology | | CareerTech: Work Readiness Skills (0454) Job Seeking & Retention (0455) | | MakerBot: MakerBot 3D Printing (0624) | 120 hrs. |

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|---|---|---|---|---|---|
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| **8720 Crime Scene Investigation (CSI)**<br>• **Prerequisite Course: Biology I** | | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | Medical Forensics (8762) | | 120 hrs. |
| **8256 Cybersecurity Basics**<br>• Prerequisite Course: None<br>• OK Promise Computer Credit | Certiport – Cisco:<br>CCST-Cybersecurity (0114)<br>CCST-Networking (0115) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | Cisco Badge:<br>Cyber Threat Manger (*)<br>Networking Defense (*)<br>Network Support (*)<br>Network Troubleshooting (*) | 120 hrs. |
| **8865 Design for the Production of Advanced Products**<br>• Prerequisite Course: | Certiport: Autodesk Revit Certified User (2757) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | MakerBot:<br>MakerBot 3D Printing (0624) | 120 hrs. |
| **8149 Desktop Publishing**<br>• OK Promise Computer Credit | Certiport: ACP Print & Digital Media Publications Using Adobe InDesign (0298)<br>ACP Visual Design Using Adobe Photoshop (0992)<br>ODCTE: Graphic Designer (4112) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | Desktop Publishing I 248 (4158)<br>Desktop Publishing II 249 (4159)<br>Digital Print Design (0264) | TOSA: InDesign (0130)<br>Photoshop (0132)<br>SHL Talent Central: Adobe InDesign (0262) | 120 hrs. |
| **8888 Drone Applications** | | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455)<br>UAS Operator (2429) | | Trust Certificate (2420) | 120 hrs. |
| **8260 Drone Technology** | | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455)<br>UAS Operator (2429) | | Trust Certificate (2420) | 120 hrs. |
| **8191 Digital Media Production** | Adobe: ACA Digital Video using Adobe Premiere Pro (0995)<br>Apple: Certified Associate Final Cut Pro (0295)<br>Premiere Pro (4259)<br>Adobe After Effects (4252) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | | 120 hrs. |
| **8904 Engineering Computer Aided Drafting and Design**<br>• Prerequisite Course: None | Certiport: Autodesk Revit Certified User (2757)<br>Autodesk AutoCAD Certified User (2755) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | CAD Mechanical Design I (2706)<br>CAD Mechanical Design II (2707) | | 120 hrs. |
| **8827 Engineering Design**<br>• Prerequisite Course: None | Certiport: Autodesk Inventor Certified User (2756) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | Engineering Technology (4597)<br>Engineering Principles I (4598)<br>Engineering Principles II (4599) | MakerBot:<br>MakerBot 3D Printing (0624) | 120 hrs. |

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|---|---|---|---|---|---|
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| **8878 Engineering Essentials**<br>• Prerequisite Course: None | ESRI ArcGIS Desktop Entry (2763) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | PLTW EoC: Engineering Essentials (4619) | 120 hrs. |
| **8905 Fundamentals of Computer Aided Drafting**<br>•OK Promise Computer | Certiport:<br>Autodesk AutoCAD Certified User (2755)<br>Autodesk Revit Certified User (2757) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | | 120 hrs. |
| **8257 Fundamentals of Project Management** | IBM: Project Manager Certificate (*)<br>CompTIA: Project+ | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | | 120 hrs. |
| **8169 Fundamentals of Technology**<br>• Prerequisite Course: None<br>• OK Promise Computer Credit | Certiport: IC3 Spark (0906)<br>TestOut: Desktop Pro Plus (2016 Office) (0148)<br>TestOut: Office Pro (2019 Office) (0149) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455)<br>Fund of Technology (0901) | Computer Technology (0902)<br>IT, Introduction (1108)<br>Digital Business Applications (0563) | SHL Talent Central:<br>Computer Fund (0951)<br>Computer Literacy (0969) | 120 hrs. |
| **8153 Fundamentals of Web**<br>•Prerequisite Course: None<br>•OK Promise Computer Credit | Certiport:<br>ACP Web Authoring Using Dreamweaver (0993) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | Business Web Page Design 254 (0326)<br>Adv Business Web Page Design 256 (0327) | IE Class: Web Design (0325) | 120 hrs. |
| **8873 Google Tools**<br>• Prerequisite Course: None<br>• OK Promise Computer Credit | Google: Cloud Certification (*) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | Business Office Specialist (0202)<br>Word Processing (0151) | | 120 hrs. |
| **8857 Impact of Science & Technology**<br>• Prerequisite Course: Core Applications of Science and Technology | | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | SREB: EOC (*) | 120 hrs. |
| **8255 Internet of Things (IoT) Fundamentals**<br>• Prerequisite Course: None<br>• OK Promise Computer Credit | Cisco: End of Course Exam (1107) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | Network Fundamentals (1151)<br>Computer Programming IB Python (0208) | TOSA: Python (0126) | 120 hrs. |
| **8889 Introduction to AI**<br>• Prerequisite Course: None | | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | Google: AI Essentials (*)<br>Magic School: Level one (*)<br>Level two (*)<br>Level three (*) | 120 hrs. |

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| **8709 Introduction to Engineering Design**<br>• Prerequisite Course: None<br>• OK Promise Computer Credit | Certiport: Autodesk Inventor Certified User (2756)<br>Certiport: Autodesk Fusion 360 Certified User (2764) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | PLTW EoC Introduction to Engineering Design (4611) | 120 hrs. |
| **8953 Introduction to Manufacturing**<br>• Prerequisite Course: None | | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | MakerBot:<br>MakerBot 3D Printing (0624) | 120 hrs. |
| **8879 Mechanical Design Engineering**<br>• Prerequisite Course: None | Certiport: Autodesk Inventor Certified User (2756) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | MakerBot:<br>MakerBot 3D Printing (0624) | 120 hrs. |
| **8864 Mechatronic Systems for Advanced Production**<br>• Prerequisite Course: | | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | | 120 hrs. |
| **8150 Multimedia & Image Manage Tech**<br>• Prerequisite Course: None<br>• OK Promise Computer Credit | Certiport:<br>•ACP Visual Com using Photoshop (0992)<br>•ACP Graphic Design. & Ill. using Illustrator (0297) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | Digital Media IA 810 (4160)<br>Digital Media II (4162) | TOSA:<br>Illustrator (0131)<br>Photoshop (0132)<br>Presentations Skills (961) | 120 hrs. |
| **8855 Nature of Science & Technology**<br>Prerequisite Course: None | | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | SREB: EOC | 120 hrs. |
| **8715 PLTW Aerospace Engineering**<br>• Prerequisite Course:<br>• OK Promise Science Credit | Certiport:<br>• Autodesk Fusion 360 Certified User (2764)<br>• Autodesk Inventor Certified User (2756) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | PLTW EoC: Aerospace Engineering (4604) | 120 hrs. |
| **8719 PLTW Biomedical Innovation (Capstone)**<br>• Prerequisite Course: 2 PLTW courses<br>• OK Promise Science Credit | Biotility – University of Florida:<br>Biotechnician Assistant Credentialing Exam (8584) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | National Health Science Assessment (8001)<br>Medical Forensics (8762) | | 120 hrs. |
| **8716 PLTW Capstone**<br>• Prerequisite Course:<br>• SDE approved Capstone | Certiport: Autodesk Inventor Certified User (2756)<br>Certiport: Autodesk Revit Certified User (2757)<br>Autodesk Fusion 360 Certified User (2764) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | | 120 hrs. |
| **8713 PLTW Civil Engineering & Architecture** | Certiport: Autodesk Revit Certified User (2757) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | PLTW EoC Civil Engineering and Architecture (4607) | 120 hrs. |
| **8712 PLTW Computer Integrated Manufacturing**<br>• OK Promise Computer Credit | Certiport: Autodesk Inventor Certified User (2756)<br>MSSC Certified Production Technician (3975)<br>NIMS CNC Mill Operations (2903) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | PLTW EoC Computer Integrated Manufacturing (4608) | 120 hrs. |

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| **8861 PLTW Cybersecurity** | **Certiport:** IT Specialist Network Security (*) IT Specialist Networking (*) | CareerTech: Work Readiness Skills (0454) Job Seeking & Retention (0455) | | Cisco Badge: Cyber Threat Manger (*) Networking Defense (*) Network Support (*) Network Troubleshooting (*) PLTW EoC Cybersecurity (4618) | 120 hrs. |
| **8711 PLTW Digital Electronics** • Prerequisite Course: • OK Promise Math Credit | Certified Electronics System Assoc. (CETa) (4055) | CareerTech: Work Readiness Skills (0454) Job Seeking & Retention (0455) General Elec Technician (4001) Electronics Assembler (4002) | | PLTW EoC Digital Electronics (4603) | 120 hrs. |
| **8878 (PLTW) Engineering Essentials** Prerequisite Course: None | | CareerTech: Work Readiness Skills (0454) Job Seeking & Retention (0455) | | PLTW EoC: Engineering Essentials (4619) | 120 hrs. |
| **8854 PLTW Environmental Sustainability** • Prerequisite Course: • OK Promise Science Credit | | CareerTech: Work Readiness Skills (0454) Job Seeking & Retention (0455) | | PLTW EoC Environmental Sustainability (4613) | 120 hrs. |
| **8707 PLTW Human Body Systems** • Prerequisite Course: • OK Promise Science Credit | | CareerTech: Work Readiness Skills (0454) Job Seeking & Retention (0455) | Medical Anatomy & Physiology (8768) | PLTW EoC Human Body System (4609) | 120 hrs. |
| **8709 (PLTW) Introduction to Engineering Design** • Prerequisite Course: None • OK Promise Computer Credit | Certiport: Autodesk Inventor Certified User (2756) Certiport: Autodesk Revit Certified User (2757) Autodesk Fusion 360 Certified User (2764) | CareerTech: Work Readiness Skills (0454) Job Seeking & Retention (0455) | | Solid Professor: OnShape Certified Associate (*) PLTW EoC Introduction to Engineering Design (4611) | 120 hrs. |
| **8708 PLTW Medical Interventions** • Prerequisite Course: • OK Promise Science Credit | Biotility – University of Florida: Biotechnician Assistant Credentialing Exam (8584) | CareerTech: Work Readiness Skills (0454) Job Seeking & Retention (0455) | Medical Forensics (8762) | PLTW EoC Medical Intervention (4612) | 120 hrs. |
| **8706 PLTW Principles of Biomedical Science** • Prerequisite Course: • OK Promise Science Credit | | CareerTech: Work Readiness Skills (0454) Job Seeking & Retention (0455) | Health Science, Introduction (8767) | PLTW EoC Principles of Biomedical Science (4606) | 120 hrs. |
| **8710 (PLTW) Principles of Engineering** • Prerequisite Course: None • OK Promise Computer Credit | Certiport: Autodesk Fusion 360 (2764) | CareerTech: Work Readiness Skills (0454) Job Seeking & Retention (0455) | | PLTW EoC Principles of Engineering (4610) | 120 hrs. |

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| **8871 Python**<br>• Prerequisite Course: None<br>• OK Promise Computer Credit | Python Institute: Python Certified Association Programmer (*)<br>Certiport: IT Specialist Python (0272) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | Computer Programming II Python (0209) | | 120 hrs. |
| **8872 Renewable Energy**<br>• Prerequisite Course: None | | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | | 120 hrs. |
| **8833 Robotics Engineering**<br>• Prerequisite Course: None<br>• OK Promise Computer Credit | National Coalition of Certification Center:<br>Fundamentals of Robotics (1483)<br>Applied Robotics (1484) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | Robotics I (4593) | **REC Foundations:**<br>Robotics (4595)<br>Pre-Engineering (4596)<br>**Carnegie Mellon University:**<br>Coding and Computational Thinking with VEX V5 (0203)<br>**MakerBot:**<br>MakerBot 3D Printing (0624) | 120 hrs. |
| **8849 Science and Technical Visualization I**<br>• Prerequisite Course: | Autodesk: Inventor Certified User (2756)<br>Autodesk Fusion 360 Certified User (2764) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | 3D Graphics (0608) | | 120 hrs. |
| **8850 Science and Technical Visualization II**<br>• Prerequisite Course: Science and Technical Visualization I | Autodesk: Inventor Certified User (2756)<br>Autodesk Fusion 360 Certified User (2764) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | 3D Graphics (0608) | | 120 hrs. |
| **8870 Space Engineering Concepts**<br>• Prerequisite Course: None<br>• OK Promise Computer Credit | AGI: STK Certification Level 1 (2422)<br>AGI: STK Certification Level 2 (2423)<br>AGI: STK Certification Level 3 (*) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | | 120 hrs. |
| *8705 STEM* **Capstone**<br>• *Prerequisite Course: At least 240 hours in related* | is used to demonstrate mastery in the field through the pursuit of advanced certifications, complete advanced projects with limited supervision, or used for an OJT (on the job training) component.<br>CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | | | |
| **8869 STEM Core**<br>• Prerequisite Course: Technology Center only | Tests will vary | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | **Microburst Learning:**<br>Employability Soft Skills (0460) | 120 hrs. |
| **8701 Survey of Biotechnology**<br>• Prerequisite Course: None | Biotility – University of Florida:<br>Biotechnician Assistant Credentialing Exam (8584)<br>CLEP Natural Science (6405)<br>NOCTI Biotechnology (8582) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455)<br>Lab Assistant (8201)<br>Clinical Laboratory Asst. (8202) | Health Science, Introduction (8767)<br>Biotechnology (8583) | | 120 hrs. |
| **8863 System of Advanced Technology**<br>• Prerequisite Course: | | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | **MakerBot:**<br>MakerBot 3D Printing (0624) | 120 hrs. |

| OCAS Course Number and Name | Choice of Assessment/Certification Test | | | | Hrs. |
|---|---|---|---|---|---|
| | Certification - Owner of Test | ODCTE | Precision Exams by YouScience Micro-Credential | Other Micro-Credential | |
| **8848 Technological Design**<br>• Prerequisite Course: Technology and Society | Certiport: Autodesk Inventor Certified User (2756)<br>Certiport: Autodesk Revit Certified User (2757)<br>Certiport: Autodesk AutoCAD (2755) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | **Engineering by Design:**<br>Engineering Design (4601)<br>Adv Game Art Design (4602) | 120 hrs. |
| **8847 Technology and Society**<br>• Prerequisite Course: Technology Foundations | | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | Engineering Principles I (4598)<br>Engineering Principles II (4599) | | 120 hrs. |
| **8828 Technology Foundations**<br>• Prerequisite Course: None | Certiport: Autodesk AutoCAD (2755) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | CAD Architectural Design I (2709) | **Engineering by Design:**<br>Engineering Design (4601)<br>Adv Game Art Design (4602) | 120 hrs. |
| **8881 Virtual Reality (VR) Coding**<br>• Prerequisite Course: None | Certiport: Unity Certified User Programmer (0206)<br>Unity Certified user: VR Developer (0189)<br>Unity Certified user: Artist (0190) | CareerTech:<br>Work Readiness Skills (0454)<br>Job Seeking & Retention (0455) | | | 120 hrs. |
| **4615 AP Calculus - AB** | AP Calculus -- AB (0080) | | | | |
| **4616 AP Calculus - BC** | AP Calculus – BC (0081) | | | | |
| **4760 AP Statistics** | AP Statistics (0082) | | | | |
| **5213 AP Physics I – Algebra Based** | AP Physics 1 – Algebra Based (4589) | | | | |
| **5214 AP Physics II – Algebra Based** | AP Physics 2 – Algebra Based (4590) | | | | |
| **5216 AP Physics C – Mechanics** | AP Physics C – Mechanics (4591) | | | | |
| **5217 AP Physics C – Electricity & Magnetism** | AP Physics C – Electricity & Mag (4592) | | | | |
| **5121 AP Environmental Science** | AP Environmental Science (6401) | | | | |
| **5035 AP Biology** | AP Biology (6402) | | | | |
| **5055 AP Chemistry** | AP Chemistry (6403) | | | | |
| | CLEP College Algebra (0083) | | | | |
| **4614 AP Pre-Calculus** | AP Pre-Calculus (0084) | | | | |

Approved Assessment List: https://oklahoma.gov/careertech/educators/certifications-and-badging/certifications.html

Use the link above to find assessment code, name, assessment vendor, cluster, cost, work keys, SOC, ONET Level, PLA, CCA, etc. or to request an assessment to be added to the approve list.

Cooperative Alliance information: list of participating colleges, degrees, technology centers, assessments, and Prior Learn Assessment (PLA) Matrix https://showwhatyouknowok.org/careertech-occupational-licenses/ (Transfer Courses)