**Approved Secondary Industry-Recognized Credentials**

**Industrial and Engineering Systems**

| **Cluster** | **Credential Name**  ***Abbreviated Name***  **(Code)** | **Sample Occupations** | **Link** |
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| Architecture and Construction | American Design Drafting Association (ADDA) Apprentice Architectural Drafter  *ADDA Apprentice Architectural Drafter*  (CREDIE001) | Construction Managers  Architects  Carpenters  Construction and Related Workers | <http://www.adda.org/index.php/professional-certification> |
| American Design Drafting Association (ADDA) Certified Architectural Drafter  *ADDA Certified Architectural Drafter*  (CREDIE002) | <http://www.adda.org/index.php/professional-certification> |
| National Center for Construction Education and Research (NCCER) Core: Introduction to Craft Skills **and** Carpentry Level One.  *NCCER Carpentry Level One*  (CREDIE003) | <http://www.nccer.org/training-and-certifications> |
| Autodesk Revit Architecture Certified User  *Autodesk Revit User*  (CREDIE004) | <http://www.autodesk.com/training-and-certification/certification> |
| Chief Architect Certified User  *Chief Architect User*  (CREDIE005) | <http://www.chiefarchitect.com/training/chief-architect-certification.html> |
|  | Minimum of 500 hours of on-the-job training in an OSTAC approved youth pre-apprenticeship program.  *Construction Pre-Apprenticeship*  (CREDIE018) |  | [http://www.oregon.gov/boli/ATD/pages/a\_ag\_partners.aspx](https://www.oregon.gov/boli/ATD/pages/a_ag_partners.aspx) |
| Automotive | Automotive Service Excellence (ASE) Student Certification in at least 1 of the following areas: Brakes, Electrical/Electronic Systems, Engine Performance, **or** Suspension and Steering  *ASE Student Certification*  (CREDIE006) | Automotive Service Technicians and Mechanics  Farm Equipment Mechanics  Bus and Truck Mechanics | <http://www.asestudentcertification.com/> |
| ASE Student Certification Maintenance and Light Repair  *ASE Maintenance and Light Repair*  (CREDIE007) | <http://www.asestudentcertification.com/> |
| ASE Student Certification Automobile Service Technician  *ASE Automobile Service Technician*  (CREDIE008) | <http://www.asestudentcertification.com/> |
| Engineering Technology | American Design Drafting Association (ADDA) Apprentice Mechanical Drafter  *ADDA Apprentice Mechanical Drafter*  (CREDIE009) | Engineers  Engineering Technicians | <http://www.adda.org/index.php/professional-certification> |
| American Design Drafting Association (ADDA) Certified Mechanical Drafter  *ADDA Certified Mechanical Drafter*  (CREDIE010) | <http://www.adda.org/index.php/professional-certification> |
| Autodesk AutoCAD Certified User  *AutoCAD User*  (CREDIE011) | <http://www.autodesk.com/training-and-certification/certification> |
| Autodesk Inventor Certified User  *Autodesk Inventor User*  (CREDIE012) | <http://www.autodesk.com/training-and-certification/certification> |
| Certified SolidWorks Associate – Academic  *SolidWorks Associate Academic*  (CREDIE013) | <http://www.solidworks.com/sw/support/solidworks-certification.htm> |
| Autodesk Fusion 360 Certified User  *Autodesk Fusion 360 User*  (CREDIE020) |  | <http://downloads.certiport.com/marketing/Autodesk/doc/ACU_Fusion_360.pdf> |
| Manufacturing | American Welding Society (AWS) Certified Welder  *AWS Certified Welder*  (CREDIE014) | Machinists  Welders  CNC Programmers  Metal Fabricators | <http://www.aws.org/certification> |
| Manufacturing Skills Standards Council (MSSC) Certified Production Technician (CPT) certification in Safety **and** at least one other exam.  *MSSC Certified Production Technician*  (CREDIE015) | <http://www.msscusa.org/certification/> |
| National Institute for Metalworking Skills (NIMS) Machining Level 1 any certification  *NIMS Machining Level 1*  (CREDIE016) | <https://www.nims-skills.org/web/nims/6> |
| National Institute for Metalworking Skills (NIMS) Metalforming 1  *NIMS Metalforming 1*  (CREDIE017) | <https://www.nims-skills.org/web/nims/6> |
| Minimum of 500 hours of on-the-job training in an OSTAC approved youth pre-apprenticeship program.  *Manufacturing Pre-Apprenticeship*  (CREDIE019) |  | [http://www.oregon.gov/boli/ATD/pages/a\_ag\_partners.aspx](https://www.oregon.gov/boli/ATD/pages/a_ag_partners.aspx) |
| Autodesk Fusion 360 Certified User  *Autodesk Fusion 360 User*  (CREDIE020) |  | <http://downloads.certiport.com/marketing/Autodesk/doc/ACU_Fusion_360.pdf> |
| Manufacturing Technician 1 – MT-1  *Manufacturing Technician 1*  (CREDIE021) |  | <http://manufacturingskillsinstitute.org/manufacturing-technician-level-1-skill-standards/> |
| AWS Sense Level 1 Entry Welder  **OR**  AWS Sense Level 1 Advanced Level  *AWS Sense*  (CREDIE022) |  | <http://awo.aws.org/sense/> |