**Approved Secondary Industry-Recognized Credentials**

**Industrial and Engineering Systems**

| **Cluster** | **Credential Name*****Abbreviated Name*****(Code)** | **Sample Occupations** | **Link** |
| --- | --- | --- | --- |
| Architecture and Construction | American Design Drafting Association (ADDA) Apprentice Architectural Drafter*ADDA Apprentice Architectural Drafter*(CREDIE001) | Construction ManagersArchitectsCarpentersConstruction 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 MechanicsFarm Equipment MechanicsBus 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) | EngineersEngineering 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) | MachinistsWeldersCNC ProgrammersMetal 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/> |