Autodesk AutoCAD is the world leader in computer aided design. AutoCAD is used by nearly every architectural studio to design buildings and share information with clients, builders, and contractors. This certificate program provides you with a foundation in AutoCAD plus additional training in 3D visualization. Courses in this digital badge program can help you prepare for the AutoCAD Certified User and AutoCAD Certified Professional certification exams.

Career Notes:

AutoCAD is primarily used for architecture and manufacturing, but it can be applied to other industries as well. It is easier to find entry-level jobs with AutoCAD than it is with more specialized products such as Revit Architecture, Revit MEP, or Autodesk Inventor. Though, the demand for Manufacturing CAD Engineer occupations is expected to grow in the coming years. Source: O*NET Online: http://www.onetonline.org/

Prerequisites:

Experience with drafting concepts, using a computer, and Windows operating system recommended.

Requirements:

- **LVV8411** AutoCAD Essentials
- **LVV8412** AutoCAD Intermediate
- **LVV8090** AutoCAD Creating and Presenting 3D Models

Course Description:

LVV8411 AutoCAD Essentials (30 Hours)
Covers the creation of basic 2D drawings using drawing and editing tools, organization of drawing objects on layers, addition of text and basic dimensions, preparation for plotting and more sophisticated techniques for drawing setup and productivity. Learn how to work with AutoCAD software and using more advanced editing and construction techniques. This course is designed for new users of AutoCAD software.

LVV8412 AutoCAD Intermediate (24 hours)
Builds on the basic concepts of the AutoCAD Essentials course. Helps improve productivity when creating, annotating and printing drawings with AutoCAD. Subjects include boundaries, regions, templates, dimensioning, annotation, blocks, layouts, views, sheet sets, and tables. Learn how to enhance productivity with CAD Management tools and by customizing the AutoCAD interface. Prerequisite: AutoCAD Essentials

LVV8090 AutoCAD Creating and Presenting 3D Models (24 hours)
Introduces the methods and concepts of 3D modeling. Explores how to create and modify both solid and surface models. Explores the main features of the advanced 3D modeling workspace in the AutoCAD software. Learn how to present designs while they are still being created using visualization tools and walk-throughs. Also covers exporting of 3D models from the CAD system to paper or an electronic distributable. Prerequisite: Experience using AutoCAD software.