

# ARCHITECTURAL DRAFTING AND DESIGN: CERTIFICATE OF ACHIEVEMENT

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This certificate will help students prepare for a future in architectural drafting and design as an entry level architectural drafter in the residential and commercial building industry using Building Information Modeling (BIM) and will prepare students for continuation in the Digital Design Graphics Technology Program. Upon successful completion of the required classes for the Architectural Drafting and Design Certificate, students will be prepared for employment in Architecture, Construction and Engineering Fields as Drafting Technicians, Designers, Building Information Modeling (BIM) Coordinators, or BIM Technicians. Students will have the ability to communicate successfully using industry standards and terminology and successfully create 2D drawing sets based off of 3D Building Information Models using the latest release of the Autodesk Revit Architecture software. Students will have the ability to communicate successfully using industry standards and terminology and successfully create 2D and 3D drawing sets using the latest release of the Autodesk AutoCAD software.

## Program Learning Outcomes

1. Create Physical and Digital Media.
2. Effectively apply current technology.
3. Perform industry specific skills.

## Career Opportunities

Computer Aided Drafting (CAD) and Building Information Modeling (BIM) in the Architecture, Construction, and Engineering fields.

## Degree Requirements

Code	Title	Units
<b>Required Courses</b>		
DDGT-120	Digital Design Graphics Technology 1	7
DDGT-230	Digital Architectural Drafting & Design 1	5
DDGT-231	Digital Architectural Drafting & Design 2	5
<b>Total Units</b>		<b>17</b>

## Notes:

1. DDGT-120 is not a prerequisite for DDGT-230 or DDGT-231 and can be taken independently.
2. DDGT-230 and DDGT-231 must be taken sequentially.
3. The software taught and utilized in this program may be subject to change to reflect current industry standards.