TECHNOLOGY STUDIES: ARCHITECTURAL CAD CERTIFICATE

Program code: CADA-CC-COT

Location: Norwalk, Tunxis

This certificate is not eligible for federal financial aid.

Program Description

The Architectural Computer-Aided Design (CAD) certificate program provides students with career-based training in architectural design using computer-aided drafting/design technology. To provide the necessary technical base, the program also includes architectural blueprint reading. Basic training in computer technology is included to prepare students for the two-dimensional, three-dimensional, and solid-modeling computer-aided design technology in the program. CAD technology in the core of the certificate program is comprised of 2D AutoCAD®, REVIT® solid modeling, and rendering technology.

Learning Outcomes

1. Read and analyze building blueprints including floor, mechanical, and electrical plans.
2. Annotate construction documents according to currently acceptable standards.
3. Exhibit competency in turning the engineering concept drawings into CAD models.
4. Exhibit competency in two-dimensional, three-dimensional, and solid-modeling skills as applied to complex computer-aided design technology.
5. Render three-dimensional models for aesthetic representation.
6. Cite and identify technical drafting practices, procedures, and processes according to current ANSI/ISO standards.
7. Use currently available object-based CAD technology for design and documentation of architectural models.
8. Create mass models from architectural sketches.

Certificate Requirements

Code	Title	Credits
Required Courses		
CTC 1006	Blueprint Reading for Construction	3
CAD 1330	2D CAD (AutoCAD)	3
CAD 2204	CAD 3D Architectural	3
CAD 2520	Architectural Design and Modeling	3
Total Credits		**12**