

ARCHITECTURAL COMPUTER-AIDED DRAFTING AND DESIGN (CERT)

CERTIFICATE OF ACHIEVEMENT

The Architectural Computer-Aided Drafting and Design (CADD) Certificate prepares students to work as computer-aided drafting/ designers in industry and to upgrade the skills of persons presently employed as drafters/designers. This 16-unit certificate will train students in the major CAD programs utilized in industry.

Program Student Learning Outcomes

- Students can create a 3-D modeling environment with multiple views and dynamically view-edit a 3-D model.
- Students can use 3-D architectural software to design, model and document with given conditions appropriate for a project.
- Students demonstrate the ability to produce competent construction documents for building projects utilizing manual and digital drafting techniques.
- Students design, develop, virtually construct and administrate multi-disciplinary projects using BIM (Building Information Modeling) technology.

Program Requirements

Code Number	Course Title	Units
Required Courses		
ARCH 123	Introduction to 2D Computer Aided Drafting	4.0
ARCH 213	Introduction to 3-D Computer Aided Drafting	4.0
Select two of the following :		8.0
ARCH 221	AutoCAD Architecture (4)	
ARCH 223	Revit Architecture (4)	
ENGT 259	Solidworks Introduction (4)	
Total Units		16