

## PROGRAM OUTCOMES:

Apply basic design principles when developing plans and detailing drawings.

Demonstrate proficiency with a variety of software design programs.

Demonstrate freehand sketching and visual representation skills.

Make decisions using basic problem-solving skills and communicate technical details in written and verbal forms.

## PROGRAM LENGTH:

Diploma hours: 495

AAS hours: 450

A probationary period of 1500 hours

## CERTIFICATION:

Drafting and Design Technology

## ON-THE-JOB LEARNING COMPETENCIES:

Create graphical representations of civil structures.

Create visual representations of structures or landscapes.

Evaluate technical data to determine the effect on designs or plans.

Create maps and supervise engineering or other technical personnel.



## JOB FUNCTIONS:

Drafting, laying out, and specifying technical devices, parts, and equipment.

Evaluating information to determine compliance with standards.

Making decisions and solving problems

## SKILLS:

Active Listening, Critical Thinking, and Graphics and photo imaging software