STRUCTURAL AND CIVIL CERTIFICATE
Program Code: E.CIV.CER

Certificate
Graduation requirement — 28 semester hours

The Computer-Aided Drafting: Structural and Civil certificate prepares the student for employment as a drafting technician in the design of buildings, roads, utility systems, and site improvements. Course work includes 3D modeling for buildings and site work, automated drafting of survey data, geographic information systems, and computer networking.

Suggested Full-time Sequence

FALL	*SPRING*
1st Semester	*2nd Semester*
CAD 114	CAD 132
CIT 130	CAD 214
CTC 132	CAD 232
CTC 177	CSC 130
CTC 193	GIS 115
CSC 133	EST 110
SRV 113	

Required Program Courses (28 hours)　　Cr. Hrs.

CAD 114	Introduction to AutoCAD (Computer-Aided Drafting)	2
CAD 132	Introduction to MicroStation	2
CAD 214	Building Information Modeling (BIM) with Revit	2
CAD 232	Civil Survey CAD Applications	2
CIT 130	Construction Plan Fundamentals	3
CSC 130	Introduction to Computer Networks	3
CSC 133	PC Hardware and OS Maintenance	4
CTC 132	Computer Basics	1
CTC 177	Database Applications I	1
CTC 193	Windows	1
GIS 115	Remote Sensing Applications	3
EST 110	CAD Work Experience	1
SRV 113	Basic Surveying	3

Total Semester Credit Hours　　　　　　　　*28*