

# Engineering Design Technology – Level III

ARCHITECTURE AND ENGINEERING DESIGN DEPARTMENT

Certificate 60916

The Engineering Design Technology Level III Certificate focuses on the civil and structural design fields, emphasizing three-dimensional illustration and animation. This certificate allows students to pursue employment in the civil design fields.

## Requirements for the Certificate

### Required courses:

Level I as follows:

EDT 11	Technical Engineering Drawing I	3.0	CSU
EDT 12	Technical Engineering Drawing II	3.0	CSU
EDT 14	Mechanical Design – Geometric Dimensioning and Tolerancing	3.0	CSU
EDT 16	Basic CAD and Computer Applications	4.0	CSU
EDT 18	Engineering CAD Applications	4.0	CSU
MFG 11	Manufacturing Processes I, <i>or</i>	2.0	CSU
ELEC 50A	Electronics Theory, <i>and</i>	2.0	CSU
ELEC 50AL	Electronics Laboratory	1.0	CSU

### Required courses:

Level II as follows:

EDT 20	Technical Descriptive Geometry	3.0	CSU
EDT 24	Engineering CAD 3-D Solids and Surfaces	3.0	CSU
ELEC 50A	Electronics Theory, <i>and</i>	2.0	CSU
ELEC 50AL	Electronics Laboratory	1.0	CSU
ELEC 50B	Electronics Theory	2.0	CSU
ELEC 50BL	Electronics Laboratory	1.0	CSU
MFG 11	Manufacturing Processes I, <i>or</i>	2.0	CSU
ELEC 50A	Electronics Theory, <i>and</i>	2.0	CSU
ELEC 50AL	Electronics Laboratory	1.0	CSU

### Plus the following courses:

EDT 26	Civil Engineering Technology and CAD	3.0	CSU
EDT 28	Engineering CAD 3-D Illustration/Animation	3.0	CSU

**TOTAL UNITS 39.0 - 41.0**