

# 3D MODELING CAD DESIGN CERTIFICATE IN APPLIED SCIENCE

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<sup>1</sup> EGT 110 Engineering Graphics I requires placement into RDG 032 Developmental Reading and placement into MAT 105 Introduction to College Algebra.

## Program Description

This program will train students in the use of Solid Works and CATIA CAD software, which will be utilized by local companies in the machine design, automotive and aerospace industries.

## Mission Statement

The mission of the 3D Modeling CAD Design certificate is to provide students with a foundation of industrial 3D Solid Modeling CAD skills, along with 3D printing and manufacturing processes, in order to contribute in the workplace as a CAD design technician.

## Entrance Requirements

Acceptable placement test score(s), plus high school diploma or GED

## Type of Program

Day or evening

## Employment Opportunities

Manufacturing, engineering companies, product design and machine design companies.

Visit our web page at <https://www.gvltec.edu/edt/>.

## Recommended Program Schedule

Listed below is the ideal grouping of courses in order by semester. This plan assumes a full-time schedule. Note, however, that many variables can affect this plan, and not every course is offered every semester. Please see your advisor to map out your own personalized progression toward graduation.

**Note:** Please contact your advisor for recommended evening schedules.

First Semester		Hours
EGT 110	Engineering Graphics I <sup>1</sup>	4
EGR 130	Engr Tech Applications & Programming	3
EGR 210	Introduction to Engineering CAD	3
<b>Total Semester Hours</b>		<b>10</b>
Second Semester		
EGT 115	Engineering Graphics II	4
EGR 175	Manufacturing Processes	3
EGR 275	Introduction to Engineering/Computer Graphics	3
<b>Total Semester Hours</b>		<b>10</b>
Third Semester		
EGT 245	Principles of Parametric CAD	3
EGT 252	Advanced CAD	3
<b>Total Semester Hours</b>		<b>6</b>
<b>Total Required Credit Hours</b>		<b>26</b>