

## Computer Aided Drafting/Design Technology

### Computer Aided Drafting/Design Technology

STANTON CAMPUS

Fall 2021

*Computer-Aided Engineering Drafting and Design Technology is a program that prepares students for industry by enhancing their computer-aided drafting (CAD) and design skills. The employment opportunities are extensive and varying and offer students numerous challenges in a growing technological society.*

*Graduates of the program may work as CAD technicians in offices of mechanical, electrical, architectural, structural consulting engineering offices; industrial piping; chemical/oil refineries; and municipal, state, and federal agencies. Graduates of this program are prepared for immediate productivity in the profession.*

#### PROGRAM SPECIFIC ADVISEMENT STATEMENT

##### Courses - Semester 1

	Credits	Lecture	Lab
<a href="#">SSC 100 - First Year Seminar</a>	1	1	0
<a href="#">MET 115 - Intro to Mech Eng Tech</a>	3	3	
<a href="#">EDD 141 - Engr Drafting &amp; Design I</a>	4	2	5
<a href="#">MET 123 - Modern MFG Techniques</a>	3	2	4
<a href="#">MAT 183 - Reasoning with Functions I</a>	5	5	

##### Courses - Semester 2

	Credits	Lecture	Lab
<a href="#">EDD 142 - Engr Drafting &amp; Design II</a>	3	2	2
<a href="#">EDD 171 - Intro to CAD Using AutoCAD</a>	3	2	2
<a href="#">EDD 233 - Engr Drafting and Design III</a>	3	2	2
<a href="#">EDD 271 - Advanced CAD</a>	3	2	2
<a href="#">ENG 101 - Composition I</a>	3	3	0
<a href="#">MAT 193 - Reasoning with Functions II</a>	4	4	

##### Courses - Semester 3

	Credits	Lecture	Lab
<a href="#">EDD 234 - Eng. Drafting - Piping</a>	3	2	2
<a href="#">EDD 246 - Eng. Drafting - Structural</a>	3	2	2
<a href="#">EDD 272 - Solid Modeling</a>	3	2	2
<a href="#">ENG 102 - Composition II</a>	3	3	0
<a href="#">PHY 205 - General Physics I</a>	4	3	3
OR <a href="#">PHY 281 - Physics I with Calculus</a>	4	3	3

##### Courses - Semester 4

	Credits	Lecture	Lab
<a href="#">EDD 161 - Intro - CAD using MicroStation</a>	3	2	2
<a href="#">EDD 249 - Engineering Design Process</a>	3	2	2
<a href="#">AET 236 - Building Service Systems</a>	3	2	2

#### Approved Electives

Select two social science electives from Group A to take in the fourth semester.

Group	Courses	Credits	Lecture	Lab
A	<a href="#">HIS 111 - U. S. History: Pre-Civil War</a>	3	3	0
A	OR <a href="#">HIS 112 - U. S. History: Post-Civil War</a>	3	3	0
A	<a href="#">ECO 111 - Macroeconomics</a>	3	3	0

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A	OR <a href="#">ECO 122 - Microeconomics</a>	3	3	0
A	<a href="#">PSY 121 - General Psychology</a>	3	3	0
A	<a href="#">SOC 111 - Sociology</a>	3	3	0
A	<a href="#">POL 111 - Political Science</a>	3	3	0
A	<a href="#">COM 111 - Human Communications</a>	3	3	0
A	<a href="#">PSY 100 - Human Relations</a>	3	3	0

*To complete program requirements, you must pass the above courses and earn at least **66 credits**. The number of courses and credits required for graduation may be more depending on your need for developmental education courses and the elective choices you make (if electives are a part of the program). Some programs also have college-level courses that you must take if you do not score at a certain level on the College Placement Test. If this applies to your program, the courses are listed at the top of the sequence sheet before the first semester of the course list.*