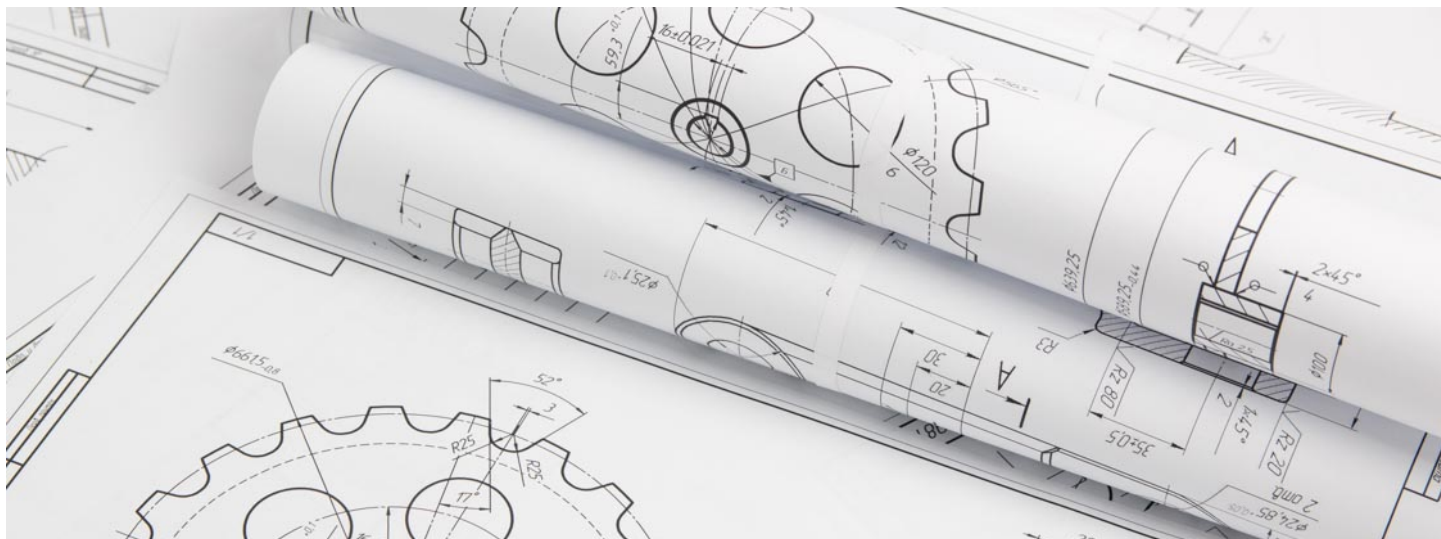


# COMPUTER-AIDED DRAFTING (CAD) TECHNOLOGY, ADVANCED CERTIFICATE



College(s): TR

Program Code: 0138

The Advanced Certificate program in Computer-Aided Design (CAD) Technology provides the technical instruction and skill development for the graduate to become successfully employed in the drafting fields of the mechanical, architectural, and construction industry. Instruction is directed toward theoretical and technical skills in the use of modern drafting tools and equipment with emphasis placed on the training of CAD techniques.

## Program Requirements

Code	Title	Hours
<b>Required Program Core</b>		
ENGR 100	Elements of Engineering Drawing	3
ENGR 131	Engineering Graphics & Intro to Design	3
ENGR 132	Descriptive Geometry	3
ENGR 190	Computer Programming for Engineers	3
ENGR 202	Advanced Drafting & Basic Machine Design	3
MATH 140	College Algebra	4
MATH 141	Plane Trigonometry	3
CAD TEC 130	CAD Technology I	3
CAD TEC 170	CAD Technology II	3
CAD TEC 171	CAD Technology III	3
CAD TEC 172	CAD Technology IV	3
<b>Total Hours</b>		<b>34</b>

## Pathway

This is an **example** course sequence for students interested in earning an advanced certificate in Computer-Aided Design (CAD) Technology. It does not represent a contract, nor does it guarantee course availability. If this

pathway is followed as outlined, you will earn a Basic Certificate (BC) and an Advanced Certificate (AC) in CAD Technology.

## Semester-By-Semester Program Plan for Full-Time Students

All plans can be modified to fit the needs of part-time students by adding more semesters.

Course	Title	Hours
<b>Semester 1</b>		
CAD TEC 130	CAD Technology I	3
MATH 140	College Algebra	4
ENGR 100	Elements of Engineering Drawing	3
	<b>Hours</b>	<b>10</b>
<b>Semester 2</b>		
MATH 141	Plane Trigonometry	3
ENGR 131	Engineering Graphics & Intro to Design	3
CAD TEC 170	CAD Technology II	3
	<b>Hours</b>	<b>9</b>
<b>Semester 3</b>		
CAD TEC 171	CAD Technology III	3
ENGR 202	Advanced Drafting & Basic Machine Design	3
ENGR 132	Descriptive Geometry	3
	<b>Hours</b>	<b>9</b>
<b>Semester 4</b>		
CAD TEC 172	CAD Technology IV	3
ENGR 190	Computer Programming for Engineers	3
	<b>Hours</b>	<b>6</b>
	<b>Total Hours</b>	<b>34</b>

Choose your courses with your College Advisor.