

# Career-Technical Education Advanced Technical Certificate Degree Plan

## DRAFTING & DESIGN TECHNOLOGY PROGRAM CHECK SHEET | DRD2 Major | CIP Code: 15.1301

Drafting and Design is a program of study designed to impart technical knowledge and engender manipulative skills in the use of construction and drafting equipment and procedures. The knowledge and skills mastered in this program are important for the design and production of plans for industry, manufacturing, and construction. Emphasis is placed upon such subjects as scientific design, job specifications, building codes as well as drafting. Both creative and practical training are offered in such a manner that the student who successfully completes this two-year program is competent for employment in a variety of positions. Some of the many jobs available to persons completing this program include: architectural or engineering draftsman, appraiser and inspector, estimator, layout and supervision, mapping surveyor and junior engineer.

### Admission Requirements

Students must submit a composite score of 14 or higher on the ACT. Students who do not have an ACT score, must score at the 9<sup>th</sup> grade level or higher on the TABE, Form 9/10. Exceptions may be made with instructor permission for students who do not meet entrance requirements. In addition to these ACT requirements, readmit or transfer students must have a 2.0 cumulative quality point average. No student may enroll in advanced semesters without satisfactory completion of prior semester courses.

REQUIRED COURSES:	Prev. Taken	FALL 20__	SPRING 20__	FALL 20__	SPRING 20__
<b>FIRST SEMESTER FRESHMAN</b>					
DDT 1163 Engineering Graphics	3 hrs.				
DDT 1213 Const. Standards and Materials	3 hrs.				
DDT 1313 Computer Aided Design I	3 hrs.				
<b>SECOND SEMESTER FRESHMAN</b>					
DDT 1173 Mechanical Design I	3 hrs.				
DDT 1323 Computer Aided Design II	3 hrs.				
DDT 1183 Technical Math	3 hrs.				
DDT 1613 Arch Design I	3 hrs.				
DDT 2213 Structural Drafting I	3 hrs.				
<b>FIRST SEMESTER SOPHOMORE</b>					
DDT 1413 Elementary Surveying	3 hrs.				
DDT 2243 Cost & Estimating	3 hrs.				
DDT 2623 Arch Design II	3 hrs.				
DDT 2373 3D Modeling	3 hrs.				
<b>SECOND SEMESTER SOPHOMORE</b>					
DDT 2153 Civil Planning and Design	3 hrs.				
DDT 2213 Structural Drafting I	3 hrs.				
DDT 2913 Special Project	3 hrs.				
DDT 2523 Pipe Drafting	3 hrs.				
<b>TOTAL HOURS:</b>	<b>45 HRS.</b>				
<b>NOT ALL COURSES ARE REQUIRED IF TRANSFERRING TO AN INSTITUTION OF HIGHER LEARNING.</b>	<b>Total Hours</b> 45				
	<b>Advisor Initials</b>				
	<b>Date</b>				