

# DRAFTING AND DESIGN TECHNOLOGY AAS DEGREE

Architects plan and design houses, factories, office buildings and other structures. Drafters use software to convert the designs of engineers and architects into technical drawings. Most workers specialize in architectural, civil, electrical or mechanical drafting and use technical drawings to help design everything from microchips to skyscrapers.

- Degree Type: AAS
- Not all required courses available online
- TSI (<https://coursecatalog.tvcc.edu/admission-registration/testing/tsi-testing-requirements/>): required

Course	Title	Hours
<b>Term One</b>		
ENGL-1301	Composition I	3
EDUC/PSYC-1300	Learning Framework	3
DFTG-1305	Technical Drafting	3
DFTG-1409	Basic Computer Aided Drafting	4
DFTG-1358	Electrical/Electronics Drafting	3
<b>Hours</b>		<b>16</b>
<b>Term Two</b>		
DFTG-2323	Pipe Drafting	3
DFTG-2321	Topographical Drafting	3
BCIS-1305	Business Computer Applications	3
MATH-1314	College Algebra	3
MCHN-1320	Precision Tools and Measurement	3
<b>Hours</b>		<b>15</b>
<b>Term Three</b>		
Lang, Phil, & Culture/Creative Arts		3
MCHN-1326	Introduction to Computer Aided Manufacturing	3
ARCE-2344	Statics and Strength of Materials (Capstone)	3
DFTG-1317	Architectural Drafting, Residential	3
DFTG-1345	Parametric Modeling and Design	3
<b>Hours</b>		<b>15</b>
<b>Term Four</b>		
Core HIST, GOVT, or Social/Behav. Science		3
DFTG-2328	Architectural Drafting, Commercial	3
ARCE-1315	Structural Steel Detailing	3
DFTG-2340	Solid Modeling/Design	3

2 2022-2023 | Drafting and Design Technology AAS Degree

DFTG-2280	Coop Education, Drafting and Design Technology/Technician, General (Or Approved Elective)	2
<b>Hours</b>		<b>14</b>
<b>Total Hours</b>		<b>60</b>