

Mechanical Drafting and Design Diploma D4032A

The Mechanical Drafting and Design diploma prepares technicians to produce drawings of mechanical parts and components of mechanical systems. CAD and the importance of technically correct drawings are based on current standards.

Course work includes mechanical drafting, proper drawing documentation, CAD, and machine processes. The use of proper dimensioning and tolerancing techniques including geometric dimensioning and tolerancing are stressed.

Graduates should qualify for employment in mechanical areas such as manufacturing, fabrication, and service industries requiring entry-level drafting and CAD skills.

All courses* in this diploma program may be applied toward the completion of Associate of Applied Science degree in Mechanical Engineering Technology/Drafting and Design.

Prefix & Number	Description	Class	Lab	Clinical/ Shop	Credit
DDF 211	Design Drafting I	1	6	0	4
DDF 212	Design Drafting II	1	6	0	4
DFT 111	Technical Drafting I	1	3	0	2
DFT 111A	Technical Drafting I Lab	0	3	0	1
DFT 112	Technical Drafting II	1	3	0	2
DFT 112A	Technical Drafting II Lab	0	3	0	1
DFT 151	CAD I	2	3	0	3
DFT 152	CAD II	2	3	0	3
DFT 154	Intro to Solid Modeling	2	3	0	3
ENG 102	Applied Communications II*	3	0	0	3
MAT 115	Mathematical Models*	2	2	0	3
MEC 111	Machine Processes I	1	4	0	3
MEC 112	Machine Processes II	2	3	0	3
MEC 180	Engineering Materials	2	3	0	3
<i>Totals:</i>		20	45	0	38
Diploma Total					38

*Students planning to pursue the Associate of Applied Science Degree should enroll in ENG 111 Expository Writing and MAT 121 Algebra/Trigonometry I.