

Drafting Technology DT12

Type

Diploma

The Drafting Technology diploma program prepares students for employment in a variety of positions in the drafting field, such as drafter, CAD operator or Civil Tech based on the specialization area a student chooses to complete. The program provides learning opportunities which introduce, develop, and reinforce academic and technical knowledge, skills and attitudes required for job acquisition, retention, and advancement. Additionally, the program provides opportunities to upgrade present knowledge and skills or retrain in drafting practices and software.

* Students must complete one of the following specializations:

- Mechanical Drafting 8M32
- Architectural Drafting Specialization 8AD2
- Civil Technology Specialization 8CT2

Basic Skills Core

Item #	Title	Credits
EMPL 1000	Interpersonal Relations & Professional Development	2
ENGL 1010	Fundamentals of English I	3
	MATH 1012 or MATH 1013	3

Occupational Courses

Item #	Title	Credits
DFTG 1101	CAD Fundamentals	4
DFTG 1103	Multiview/Basic Dimensioning	4
	Occupational Elective (3 hrs)	3

Occupational Math

* Choose one of the following:

Item #	Title	Credits
DFTG 1015	Practical Mathematics-Drafting	3
MATH 1015	Geometry and Trigonometry	3
MCHT 1013	Machine Tool Math	3

Mechanical Drafting 8M32

Item #	Title	Credits
DFTG 1105	3D Mechanical Modeling	4
DFTG 1107	Advanced Dimensioning/Section Views	4
DFTG 1109	Auxiliary Views/Surface Development	4
DFTG 1111	Fasteners	4
DFTG 1113	Assembly Drawings	4
	Guided Elective - Drafting	4

Architectural Drafting Specialization 8AD2

Item #	Title	Credits
DFTG 1125	Architectural Fundamentals	4
DFTG 1127	Architectural 3D Modeling	4
DFTG 1129	Residential Drawing I	4
DFTG 1131	Residential Drawing II	4
DFTG 1133	Commercial Drawing I	4
	Guided Elective - Drafting	4

Civil Technology Specialization 8CT2

Item #	Title	Credits
DRFT 2000	Public Works Infrastructure	3
DRFT 2005	Plan Reading	3
DRFT 2010	Construction Materials	4
DRFT 2020	Construction Materials and Cost Estimating	3
DRFT 2030	Project Management	3
DRFT 2040	Highway Design	3
DRFT 2050	Surveying I	2
DRFT 2060	Route Location and Design	5
DRFT 2070	Civil Tech Internship	3
	Minimum Credit Hours for Graduation	46