

Drafting Technology DT13

Type

Associate of Applied Science, AAS

The Drafting Technology Associate of Applied Science degree program prepares students for employment in a variety of positions in the drafting field, such as drafter or CAD operator 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 select and complete one of the following specializations:**

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

Area I - Language Arts/Communications

Item #	Title	Credits
ENGL 1101	Composition and Rhetoric	3

Area II - Social/Behavioral Sciences

Item #	Title	Credits
ECON 1101	Principles of Economics	3
ECON 2105	Macroeconomics	3
ECON 2106	Microeconomics	3
HIST 1111	World History I	3
HIST 1112	World History II	3
HIST 2111	U.S. History I	3
HIST 2112	U.S. History II	3
POLS 1101	American Government	3
SOCI 1101	Introduction to Sociology	3
PSYC 1101	Introductory Psychology	3

Area III - Natural Sciences/Mathematics

Item #	Title	Credits
MATH 1111	College Algebra	3

Area IV - Humanities/Fine Arts

Item #	Title	Credits
ARTS 1101	Art Appreciation	3
ENGL 2110	World Literature	3
ENGL 2130	American Literature	3
HUMN 1101	Introduction to Humanities	3
MUSC 1101	Music Appreciation	3
THEA 1101	Theater Appreciation	3
RELG 1101	World Religion	3
SPAN 1101	Introduction to Spanish	3

Area V - Additional Program Specific Requirements

Item #	Title	Credits
	MATH 1112 or MATH 1113	3

Occupational Courses

Item #	Title	Credits
DFTG 1101	CAD Fundamentals	4
DFTG 1103	Multiview/Basic Dimensioning	4

Mechanical Drafting 8M32

* Minimum of 17 Occupational Elective Hours

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
	Occupationally Related Electives	

Architectural Drafting Specialization 8AD2

* Minimum of 17 Occupational Elective Hours

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
	Occupationally Related Electives	

Civil Technology Specialization 8CT2

* Minimum of 8 Occupational Elective Hours

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
	Occupationally Related Electives	
	Minimum Credit Hours for Graduation	60