

A.A.S. in Technical Studies – Drafting & Design (15.1301)

Overview

Program Coordinator: Jasmine Washington – jasminewashington@cltcc.edu

Program Description

The Drafting & Design Technology program is a two-year technical program designed to give the student essential knowledge and skills required for efficient and productive performance in the drafting field. Central Louisiana Technical Community College grants a degree or diploma to students upon satisfactory completion of the curriculum and assists in placing students in gainful employment. Certificates are also offered for those needing a background in drafting without gaining all of the skills required for employment as a drafter.

Student Learning Outcomes

1. The students will demonstrate the ability to produce a drawing using Geometric Construction (Examples: lines, circles, ellipses, and tangents).
2. The students will identify the purpose, rules, and basis techniques used to dimension technical drawings and apply proper dimensions, notes, and symbols.
3. The students will demonstrate the basic concepts of CADD, identify the graphic display & screen editor, and demonstrate basic CADD commands.

Degree

AAS – Technical Studies – Drafting & Design (47.999)

Exit Points

TD - Drafting & Design (15.1301)

CTS – Engineering Aide II (15.1301)

Special Comments

Advanced Discipline courses require approval from advisor.

Program Curriculum

Curriculum

Course No.	Course Title	Lecture	Lab	Total Credit Hrs.
ORNT 1000	Freshman Seminar	1	0	1
DRFT 1110	Drafting Fundamentals	1	1	2
DRFT 1120	Geometric Construction	1	1	2
DRFT 1130	Pictorial Drawing	1	1	2
DRFT 1145	Machine & Section Drawing	1	2	3
DRFT 1161	Dimensioning	1	1	2
MATH 1110 or DRFT 1160	Technical Math I OR Drafting Math I	3	0	3
DRFT 1215	Auxiliary Views/Intersections & Development	1	2	3
DRFT 1230	Fasteners	0	1	1
CADD 1210	Basic Computer Aided Drafting & Design	1	2	3
	CTS – ENGINEERING AIDE II			22
CADD 1215	Advanced Computer Aided Drafting & Design	1	2	3
DRFT 2310	Introduction to Manufacturing/Electrical	1	2	3
DRFT 2320	Introduction to Architectural/Civil/Structural	1	2	3
DRFT 2330	Introduction to Piping/Marine	1	2	3
DRFT 2340	Advanced Discipline (Manufacturing/Electrical)	1	2	3
DRFT 2350	Advanced Discipline (Architectural/Civil/Structural)	1	2	3
DRFT 2360	Advanced Discipline (Piping/Marine)	1	2	3
JOBS 2450	Job Seeking Skills	2	0	2
	TD – DRAFTING & DESIGN TECHNICIAN			45
ENGL 1010	English Composition I	3	0	3

MATH XXXX	College Algebra OR Contemporary Math	3	0	3
	Social Science Elective	3	0	3
	Natural Science Elective	3	0	3
	Humanities Elective	3	0	3
	AAS – TECHNICAL STUDIES- DRAFTING & DESIGN CONCENTRATION			60