

## **Drafting and Design Technology (15.1301)**

### **Overview**

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### **Program Description**

The Drafting and 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.

### **Diploma**

TD – Drafting and Design Technology

### **Exit Points**

CTS – Engineering Aide II

### **Special Comments**

Advanced discipline courses require approval from advisor.

### **Program Curriculum**

Curriculum

Course No.	Course Title	Lecture	Lab	Total Credit Hrs.	Total Clock Hrs.

ORNT 1000	Freshman Seminar	1	0	1	15
DRFT 1110	Drafting Fundamentals	1	1	2	45
DRFT 1120	Geometric Construction	1	1	2	45
DRFT 1130	Pictorial Drawing	1	1	2	45
DRFT 1145	Machine & Section Drawing	1	2	3	105
DRFT 1161	Dimensioning	1	1	2	45
<a href="#">ELEC 2460</a>	Technical Math	3	0	3	45
DRFT 1215	Auxiliary Views/Intersections & Development	1	2	3	105
DRFT 1230	Fasteners	0	1	1	30
CADD 1210	Basic Computer Aided Drafting & Design	1	2	3	105
	<b>CTS – ENGINEERING AIDE II</b>			<b>22</b>	<b>585</b>
CADD 1215	Advanced Computer Aided Drafting & Design	1	2	3	105
DRFT 2310	Introduction to Manufacturing/Electrical	1	2	3	105
DRFT 2320	Introduction to Architectural/Civil/Structural	1	2	3	105
DRFT 2330	Introduction to Piping/Marine	1	2	3	105
DRFT 2340	Advanced Discipline (Manufacturing/Electrical)	1	2	3	105
DRFT 2350	Advanced Discipline (Architectural/Civil/Structural)	1	2	3	105
DRFT 2360	Advanced Discipline (Piping/Marine)	1	2	3	105
JOBS 2450	Job Seeking Skills	2	0	2	30
	<b>TD – DRAFTING &amp; DESIGN TECHNICIAN</b>			<b>45</b>	<b>1350</b>