

**Jump Start 2.0 Associate of Applied Science: Technical Studies in Drafting and Design Technology**  
*Postsecondary Partner: Central Louisiana Technical Community College*

**Overview**

The Drafting and Design Technology program is designed to give students essential knowledge and skills required for efficient and productive performance in the drafting field. Graduates of this program work in various fields involving drafting and design such as mechanical drafting and design, building information modeling, architectural drafting and design, parametric modeling, civil drafting and design, and structural detailing.

**Capstone Credentials**

Regional (Emerging)	Basic	Advanced	Fast Forward Advanced Plus
AutoDesk Rivet Certified User	Certificate of Technical Studies: Engineering Aide II	Technical Diploma: Drafting and Design Technician	Associate of Applied Science: Technical Studies Drafting and Design Technology

\*Core Academic Course  
 \*\*Jump Start CTE Course

Grade 9	
Semester 1	Semester 2
*English I 120331	*Physical Education I 190105
*Algebra I 160321	*Civics 220501/220504
**Quest for Success 080411 or Jobs for America's Graduates 1 042010	*Agriscience II 010302 or Environmental Science 150310
**Intro to Bus Comp Apps 040401 or Agriscience I 010301	**Cyber Society (NICERC Partnership) 040218

Grade 10	
Semester 1	Semester 2
*English II 120332	*Biology 150301
*Algebra II 160322 or Financial Literacy 160345	**Jobs for America's Graduates 3 042030 or Remote Controlled Vehicle Technologies 110796
*½ Physical Education II 190106 ½ Health Education 190500	**Business Computer Applications 040400
**Jobs for America's Graduates 2 042020 or Basic Technical Drafting 110560	**Workplace Safety 311923

*Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.*

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
Job Seeking Skills JOB 2450	Advanced Career Readiness 080410	Orientation ORNT 1000	Freshman Seminar 890204
*English Composition I ENGL 1010	English III: DE CENL 1013 English Composition I 120601	American History 1 HIST 2010	U.S. History: DE- CHIS 2013 American History I 220407
*College Algebra MATH 1100 OR Contemporary Math MATH 1300	Transition to College Mathematics 165040	Drafting Fundamentals DRFT 1110	Drafting & Design Technology I 311300
Intro. To Criminal Justice SOCL 1100	Louisiana History I HIST 2100	Geometric Construction DRFT 1120	GIS Entry Level 1 010103
General Biology 1 BIOL 1010	Biology 150301	Pictorial Drawing DRFT 1130	GIS Entry Level 2 010104
Machine & Section Drawing DRFT 1145	Manufacturing Tools and Equipment 110257	Basic Computer Aided Drafting & Design CADD 1210	CMAD Drafting 110570

Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
Dimensioning DRFT 1161	Drafting & Design Technology II 311305	Advanced Computer CADD 1215	Engineering Design and Development 110860
*Technical Math I OR Drafting Math I MATH 1110 or DRFT 1160 *Course Ask	*Technical Math 165010 *Course Ask	Introduction to Manufacturing/Electrical DRFT 2310	Basic Electricity/Electro nics 110600
Auxiliary Views/Intersections & Development DRFT 1215	Design, Blueprint Reading And Codes 310622	Introduction to Architectural/Civil/Structural DRFT 2320	Civil Engineering & Architecture 110570
Fasteners DRFT 1230	Manufacturing Technology 110250	Introduction to Piping/Marine DRFT 2330	Advanced Electricity/Electro nics 110610
Advanced Discipline (Architectural/Civil/Str uctural) DRFT 2350	Architectural Drafting 110580	Advanced Discipline (Manufacturing/Electrical) DRFT 2340	Advanced Technical Drafting 110590

Collaborative Learning Composition ENGL 96	Technical Writing 120350	Advanced Discipline (Piping/Marine) DRFT 2360	
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*This pathway framework is an outline of how the approved courses can be implemented. Schools may opt to rearrange the order of course sequencing in order to meet local scheduling requirements. Additionally, Fast Forward pathways are dynamic and the Jump Start Review Panel will consider course equivalents on an as needed basis.*