Jump Start 2.0 Associate of Applied Science: Technical Studies in Welding
Postsecondary Partner: Central Louisiana Technical Community College

Overview

The A.A.S. of Technical Studies in Welding prepares graduates to work in a wide-range of industries, including automotive manufacture and repair, chemical processing, construction, general manufacturing, mining, oil and gas extraction, plant maintenance, plumbing, and pipe welding, railroad construction and repair, shipbuilding, and underwater welding.

Capstone Credentials

Regional (Emerging)	Basic	Advanced	Fast Forward Advanced Plus
-Career and Technical Certificate (LCTCS)* -NCCER Core -OSHA 10 -OSHA 30	-Certificate of Technical Studies (LCTCS)* -NCCER Welding Level 1	-Technical Diploma: Welding -NCCER Level 2	-Associate of Applied Science: Technical Studies in Welding

*Core Academic Course
**Jump Start CTE Course

Grade 9	
Semester 1	**Semester 2**
*English I 120331	*English II 120332
*Technical Math 165010	*Algebra I 160321
**Quest for Success	**Agriscience I 010301 or Jobs for America's Graduates 2 042020
*Physical Education I 190105	*½ Physical Education II 190106 ½ Health Education 190500

Grade 10	
Semester 1	**Semester 2**
*Biology 150301	*U.S. History 220403
*Algebra II 160322	**Intro to Bus Comp Apps 040401 or Business Computer Applications 040400
**Agriscience II 010302 or Basic Technical Drafting 110560	**Jobs for America's Graduates 3 042030 or Cyber Society 040216
** Workplace Safety 311923 or Jobs for America's Graduates 4 042040	**Remote Controlled Vehicle Technology 110796 or Welding Technology 110230

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**
*Rhetoric & Composition ENG 1010	*English III: DE - CENL 1013 English Composition I 120601	*Intro. to Fiction ENG 2055 or British Literature ENG 2020	*English IV: DE - CENL 2303 Introduction to Fiction 120614 or CENL 2103 British Literature I 120608
*Environmental Science ENSC 1000	*Environmental Science: DE – CEVS 1103 Environmental Science 150914	*College Algebra MATH 1105	*Algebra III: DE - CMAT 1213 College Algebra 160500
*Mathematics for Workforce Occupations WFMA 1003 (4th math)	*DE Mathematics for Workforce Occupations 890424	**Shielded Metal Arc Welding I WELD 1205	**DE Shielded Metal Arc Welding I 890716
**Occupational Orientation and Safety WELD 1003	**DE Workplace Safety 311923	**Electrical Fundamentals and Inspection WELD 1403	**DE Electrical Fundamentals and Inspection 890703

Grade 12			
Semester 1		**Semester 2**	
Postsecondary Course	**LDOE Course/Code**	**Postsecondary Course**	**LDOE Course/Code**
*American National Government POLI 1100	*US Government: DE CPOL 2013 Intro to American Government 220514	**Gas Tungsten Arc Welding WELD 2103	**DE Gas Tungsten Arc Welding 890708
**Shielded Metal Arc Welding II WELD 1304	**DE Shielded Metal Arc Welding II 890717	**Gas Metal Arc Welding & Flux Cored Arc Welding II WELD 2205	**DE Gas Metal Arc Welding & Flux Cored Arc Welding I 890706
**Advanced Shielded Metal Arc Welding V-Groove WELD 2225	**DE Advanced Shielded Metal Arc Welding V-Groove 890700	**Manufacturing Procedures WELD 2213	**DE Manufacturing Procedures 890603
**Metallurgy and Symbols WELD 1123	**DE Metallurgy and Symbols 890712	**Basic Industrial Scaffolding (SLCC Corporate College)	**DE Fundamentals of Industrial Scaffolding 310631
**Gas Metal Arc Welding & Flux Cored Arc Welding I WELD 2115	**DE Gas Metal Arc Welding & Flux Cored Arc Welding I 890706	**Cutting Processes WELD 1103	**DE Cutting Processes 890701

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.

DEPARTMENT of EDUCATION
louisiana Believes