



Jump Start 2.0 Associate of Applied Science: Industrial Instrumentation Technology

Postsecondary Partners: [Louisiana Delta Community College](#)

Overview

The Associate of Applied Science in Industrial Instrumentation Technology prepares individuals to install, maintain, troubleshoot and repair various types of measuring and control instruments and peripherals, such as measuring, transmitting, indicating, recording, controlling devices, final elements, optical instruments and control systems. Specialized classroom instruction will be provided along with practical shop experience in the areas of electronics, motor controls and different types of measuring systems. Students may be granted a Technical Diploma upon satisfactory completion of the diploma curriculum. Certificates are also offered. Students transferring into the program must take a minimum of 12 hours of technical coursework at Louisiana Delta Community College to be eligible to graduate with an Associate’s Degree in Industrial Instrumentation.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
- OSHA 30	-Certificate of Technical Studies: Industrial Electronic Repair	-Technical Diploma: Industrial Instrumentation Technician	-Associate of Applied Science: Industrial Instrumentation Technology

*Core Academic Course

**Jump Start CTE Course

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*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
LDOE Course/Code	LDOE Course/Code
*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
*Business English BUSE 1030	*DE Business English 125020	**English Composition I ENGL 101	*English III: DE - CENL 1013 English Composition I 120601
*History Of The U.S. 1877-present HIST 202	*US History: DE - CHIS 2023 American History II 220408	*Digital Logic & Analog/Digital Conversion INST 1030 (4 th math)	*DE Digital Logic & Analog/Digital Conversion 890903
**Introduction to Industrial Instrumentation INST 1000	**DE Introduction to Industrial Instrumentation 890905	**Practical Wiring and Fabrication INST 1500	**DE Practical Wiring and Fabrication 890907
**Fundamentals of Direct & Alternating Current Circuits INST 1010	**DE Fundamentals of Direct & Alternating Current Circuits 890904	**Motors and Motor Control INST 1510	**DE Motors and Motor Control 890906



**Solid State Devices and Circuits INST 1020	**DE Solid State Devices and Circuits 890911	**Primary/Final Elements and Control Loops INST 1520	**DE Primary/Final Elements and Control Loops 890908
Freshman Seminar ORNT 1000	DE Freshman Seminar 890204		

Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
**College Algebra MATH 110	*Algebra III: DE - CMAT 1213 College Algebra 160500	*Introduction To Psychology PSYC 201	*Psychology: DE CPSY 2013 - Introduction to Psychology 225011
*Physical Science I PHSC 100	*Physical Science: DE - CPHY 1023 Physical Science I 150915	**Safety Standards and Systems INST 2010	**DE Safety Standards and Systems 890910
**Properties of Temperature, Pressure, and Flow INST 1530	**DE Properties of Temperature, Pressure, and Flow 890909	**Programmable Logic Controllers INST 2020	**DE Programming Logic and Design 080502
**Automatic Control, Controllers, and Tuning INST 1540	**DE Automatic Control, Controllers, and Tuning 890901	**Communication and Distributed Control INST 2030	**DE Communication and Distributed Control 890902
**Analytical Measurement and Control INST 2000	**DE Analytical Measurement and Control 890900	**Introduction to Computers CPTR 1000	**DE Introduction to Computers 890346
**Intro to Public Speaking SPCM 120	**DE Speech I 051101	**Job Seeking Skills JOBS 2450	**DE Advanced Career Readiness 080410

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.