

Jump Start 2.0 Associate of Applied Science: Industrial Instrumentation and Electrical Technology
Postsecondary Partner: Northwest Louisiana Technical Community College

Overview

This program trains students to become competent, qualified instrument technicians who can meet the ever-changing demands of modern industry. It also provides training in electrical skills that are necessary when working in this industry. This program is offered to provide training leading to employment for area residents as a result of business/industrial demand.

Capstone Credentials

| Regional (Emerging) | Basic | Advanced | Fast Forward Advanced Plus |
|---|---|---|--|
| Career and Technical Certificate: Industrial Helper | Certificate of Technical Studies: Installation Technician Level II Certificate of Technical Studies: Installation Technician Level III | Technical Diploma: Industrial Instrumentation and Electrical Technician | Associate of Applied Science: Industrial Instrumentation and Electrical Technician |

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

| Grade 9 | |
|------------------------|--|
| Semester 1 | Semester 2 |
| * English I 120331 | * English II 120332 |
| * Algebra I 160321 | * Geometry 160323 |
| **JS Elective: | **JS Elective: Career Readiness Course |
| * Civics 220501/220504 | * ½ Health 190500 & ½ PE II 190106 |

| Grade 10 | |
|---------------------------|----------------|
| Semester 1 | Semester 2 |
| * Business English 120336 | **JS Elective |
| * Biology 150301 | **JS Elective |
| * Algebra II 160322 | * PE I 190105 |
| * US History: 220403 | **JS Elective: |

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 |
| LCTCS Work Readiness LEAD 1003 or INST 2995 | | Electronic Circuits – Theory and Practice IIET-1212 | |
| Industrial Workplace Safety WKSF 1003 or INST 1110 | ** | Electronic Power Theory and Practice I IIET 1222 | |
| Industrial Tools & Calculations IIET 1012 or INST 1340 | ** | Electronic Power Theory and Practice II IIET 1232 | |
| Electrical Circuits Theory and Practice I IIET 1022 or ETRN 1131 | ** | Industrial Electrical Power Theory & Practice I IIET 1243 | |
| Electrical Circuits Theory and Practice II IIET 1032 or ETRN 1131 | ** | Industrial Electrical Power Theory & Practice II IIET 1253 | |
| *English Composition I ENGL 1015 | *English IV: DE - CENL 1013 English Composition I 120606 | Physical Science I PHSC 1015 | *Physical Science: DE - CPHY 1023 Physical Science I 150802 |

| Grade 12 | | | |
|---|------------------|---|---|
| Semester 1 | | Semester 2 | |
| Postsecondary Course | LDOE Course/Code | Postsecondary Course | LDOE Course/Code |
| Control Systems – Theory and Practice IIET 2014 | | Instrumentation Control Systems Theory & Practice I IIET 2043 | |
| Instrumentation Process Measurement Theory & Practice I IIET 2024 | | Instrumentation Control Systems Theory & Practice II IIET 2053 | |
| Instrumentation Process Measurement Theory & Practice II IIET 2034 | | Capstone: Integrated Control Systems Troubleshooting IIET 2063 | |
| Intro to Psychology PSYC 2015 | | College Algebra MATH 1015 | *Algebra III: DE - CMAT 1213 College Algebra 160500 |

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|-------------------------------------|--|---|--|
| Introduction to Speech SPCH 1015 | | History of the United States HIST 2010 | |
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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.

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