

**Jump Start 2.0 Associate of Applied Science in Technical Studies: Industrial Marine Electronics**

Postsecondary Partner: [South Louisiana Community College](#)

**Overview**

The Industrial Marine Electronics Technology program provides specialized classroom instruction and practical shop experience to prepare students for employment in a variety of jobs in the field of Industrial Marine Electronics. The program includes instructions in using motors, mechanical diagrams/schematics, radar, fiber optics, laser technology, computer applications, telecommunications, microwave, hydraulics, PLC, video industrial controls, industrial wiring, diagnostic and troubleshooting techniques and the use of testing equipment.

**Capstone Credentials**

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
<a href="#">-Maritime Safety Credentials Suite: Personal Safety/Social Responsibilities, Basic Water Survival, Basic Firefighting AND Basic First Aid/CPR AED</a> -PEC Basic Orientation SafeLand	-Certificate of Technical Studies: Electronics Technician -Certificate of Technical Studies: Industrial Marine Electronics and Hydraulics Technician	-Technical Diploma: Industrial Marine Electronics Technology	-Associate of Applied Science: Industrial Marine Electronics Technology

*\*Core Academic Course*

*\*\*Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*English II 120332
*Math Essentials 160351 or Technical Math 165010	*Algebra I 160321
**Quest for Success 080411	**Intro to Bus Comp Apps 040401 or Fundamentals of HTML, CSS, and Javascript 080523
*Physical Education I 190105	*½ Physical Education II 190106 ½ Health Education



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Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*Biology 150301	*U.S. History 220403
*Algebra II 160322	**Agriscience II 010302 or Computer Applications 061110
**Agriscience I 010301 or Jobs for America’s Graduates 2 042020	**Cyber Society 040216 or Workplace Safety 311923
**Jobs for America’s Graduates 3 042030 or Pre-Apprenticeship I 080210	**Jobs for America’s Graduates 4 042040 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	*College Algebra MATH 1105	*Algebra III: DE - CMAT 1213 College Algebra 160500
*Environmental Science ENSC 1000	*Environmental Science: DE – CEVS 1103 Environmental Science 150914	**Semiconductors and Transistor Circuits IMEL 1206	**DE Semiconductors and Transistor Circuits 891304
**Direct Current Circuits IMEL 1005	**DE Direct Current Circuits 890812	**Digital Circuits IMEL 1307	**DE Digital Circuits 890811
**Alternating Current Circuits IMEL 1105	**DE Alternating Current Circuits 890810		

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	*Introduction to Fiction ENG 2055/British Literature ENG 2020	*English IV: DE - CENL 2303 Introduction to Fiction 120614 or CENL 2103 British Literature I 120608
**Industrial Marine Hydraulics IMEL 1406	**DE Industrial Marine Hydraulics 891301	**Advanced Remote Operated Vehicles IMEL 1805	**DE Remote Controlled Vehicle Technologies 110796
**Motor Controls IMEL 1503	**DE Motor Controls 891302	**Programmable Logic Controllers IMEL 1603	**DE Programmable Logic Controllers 891303
**Remote Operated Vehicles IMEL 1705	**DE Introduction to Remote Controlled Vehicle Technologies 110795	**Basic Industrial Scaffolding (SLCC Corporate College)	**DE Fundamentals of Industrial Scaffolding 310631
		**Marine Operations (SLCC Corporate College)	**DE Marine Operations 312100

*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.*