

TOPS University Associate of Applied Science: Industrial Technology Concentration in Supervision

Postsecondary Partner: Southeastern Louisiana University

Overview

The Mission of the Industrial Technology program is to prepare students for employment in technical and/or technical management-oriented professions in business, industry, education, and government. The Industrial Technology program is a management-oriented technical curriculum build upon a balanced program of studies drawn from a variety of disciplines related to construction technology.

Capstone Credentials

Regional (Emerging)	Basic	Advanced	Fast Forward Advanced Plus
-NCCER Carpenter Helper -OSHA 10 -OSHA 30 -AutoDesk Revit	-NCCER Carpentry Level 1 -ADDA Certified Architectural Apprentice Drafter -Autodesk Certified User AutoCAD -NCCER Carpentry Level I	-NCCER Carpentry Level 2 -Autodesk Certified User Inventor -NCCER Carpentry Level 2	-NCCER Carpentry Level 3 -Associate of Applied Science: Industrial Technology Concentration in Supervision

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
*English I 120331	*Algebra I 211001
**NCCER Carpentry in Agriscience I 990019	*Foreign Language I
*Biology 321001	*Physical Education I 711001
*Civics 220501/220504	*Fine Arts Survey 030332

Grade 10	
Semester 1	Semester 2
*English II 121001	*½ Physical Education II 711002 ½ Health Education 721001
*Geometry 211101	*Physical Science 361001
*World Geography 220300	*Foreign Language II
**NCCER Carpentry in Agriscience II 990021	*Algebra II 160322

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
*Freshmen Composition ENGL 101	*English III: DE-CENL 1013 English Composition I 136001	*Critical Reading and Writing ENGL 102	*English IV: DE-CENL 1023 English Composition II 146002
*College Algebra MATH 161	*Algebra III: DE-CMAT 1213 College Algebra 216001	*Trigonometry MATH 162	*Adv Math-Pre Calc: DE -CMAT 1223 Trigonometry 246001
**Intro. to Occupational Safety, Health and Environment OSHE 111	**Workplace Safety 837000	Introductory Sociology SOC 101	DE Sociology 491004
**Construction Graphics CTEC 111 or IT 100	**Design, Blueprint Reading, and Codes 310622	**Principles & Metallurgy of Welding IT 256	**TBD
**Engineering Drafting with Computer Assisted Design IT 111	**Engineering Design and Development 822611	**Descriptive Geometry IT 112	**TBD
Freshman Success SE 101	DE Freshman Success 890201	*General Chemistry I AND Lab Chem/ CLAB 101/103	*Chemistry1: DE-CCEM 1103 Chemistry 1 150414

Grade 12			
Semester 1		Semester 2	
** IT 233 Intro to Basic Electricity and Electronics	**TBD	*General Physics PHYS/PLAB 191/193	*Physics I: DE - CPHY 2114 Physics I (Lec & Lab) 376002
**Introduction to Public Speaking COMM 211	**DE Speech I 815005	**IT 264 Industrial Fluid Power	**TBD
**Fundamentals of Supervision IT 202	**TBD	**Safety/Health program Management Administration OSHE 121	**TBD
**Software for Management of Data CMPS 173	**Data Manipulation and Analysis 825078	**Preventative Predictive Maintenance & Supervision IT 205	**TBD
**IT 242 Materials and Processes	**TBD	*Western Civilization HIST 101 or 102	* Western Civ: DE-CHIS 1013 Western Civilization I 220446
*American History HIST 201 or 202	*US History: DE-CHIS 2013 American History		

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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.