

TOPS University Associate of Applied Science: Industrial Technology Concentration Construction Technology

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 built 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 30	- NCCER Carpentry Level 1 - Autodesk AutoCAD Certified User - ADDA Certified Architectural Apprentice Drafter	- NCCER Carpentry Level 2	- NCCER Carpentry Level 3 -Associate of Applied Science: Industrial Technology

*Core Academic Course

**Jump Start CTE Course

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*Algebra I 160321
**NCCER Carpentry in Agriscience I 010601	*Foreign Language I
*Biology 150301	*Physical Education I 190105
*Civics 220501/220504	*Fine Arts Survey 030332

Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English II 120332	*½ Physical Education II 190106 ½ Health Education 190500
*Geometry 160323	*Physical Science 150802
*World Geography 220300	*Foreign Language II
**NCCER Carpentry in Agriscience II 010604	*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 120601	*Critical Reading and Writing ENGL 102	*English IV: DE - CENL 1023 English Composition II 120607
*College Algebra MATH 161	*Algebra III: DE - CMAT 1213 College Algebra 160500	*Trigonometry MATH 162	*Adv Math-Pre Calc: DE - CMAT 1223 Trigonometry 160501
*General Chemistry I and Lab CHEM/CLAB 101/103	*Chemistry I: DE - CCEM 1103 Chemistry I 150414	Introductory Sociology SOC 101	DE Sociology 220601
**Construction Graphics CTEC 111	**DE Design, Blueprint Reading and Codes 310622	**Engineering Drafting with Computer Assisted Design IT 111	**DE Engineering Design and Development 110860
**Construction Industry Systems CTEC 101	**DE Construction Industry Systems 891204	**Intro. to Occupational Safety, Health and	**DE Workplace Safety 311923

		Environment OSHE 111	
Freshman Success SE 101	DE Freshman Success 890201	**Construction Materials CTEC 121 or CTEC 132	**DE Construction Materials 891205

Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*General Physics PHYS/PLAB 191/193	*Physics I: DE - CPHY 2114 Physics I (Lec & Lab) 150727	**Project Management CTEC 201	**DE Project Management 310630
Introduction to Public Speaking COMM 211	DE Speech I 051101	**Construction Estimating CTEC 271	**DE Building Materials and Estimating 310620
**Survey Principles CTEC 171	**DE Survey Principles 891208	**Computer Planning and Scheduling CTEC 203	**DE Computer Planning and Scheduling 891203
**Software for Management of Data CMPS 173	**DE Data Manipulation and Analysis 080530	**Design Drafter DDT 113	**DE Design Drafter 891206
**Project Supervision CTEC 202	**DE Project Supervision 891207	**Industrial Internship/Independent Study IT 291/292	**DE Internship Fast Forward 890050
*American History HIST 201 or 202	*U.S. History: DE - CHIS 2013 American History I 220407 or U.S. History: DE - CHIS 2023 American History II 220408	*Western Civilization HIST 101 or 102	*Western Civilization: DE - CHIS 1013 Western Civilization I 220446 or Western Civilization: DE - CHIS 1023 Western Civilization II 220447

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.