

LPS CAREER & TECHNICAL EDUCATION PLANNING GUIDE

Lincoln Southeast High School

This Career and Technical Education (CTE) Planning Guide is intended to give some guidance and direction to students, parents, counselors and schools in selection of appropriate CTE courses in alignment with a student's career field of interest. The guide also helps to identify foundational courses and additional courses at the high schools or at The Career Academy. Students generally earn CTE concentration status by taking at least 3 courses in a career field area at their high school or at The Career Academy. The CTE Planning Guide is based on national and state education models for Career and Technical Education.

Refer to your school's enrollment information and the [Online Course Guide](#) for additional information and recommended course sequences.

NE Career Field	Course ID	Course	Grade 9	Grade 10	Grade 11	Grade 12	TCA Pathway with Required Course (take grades 9 or 10)
HEALTH SCIENCES	9145	Introduction to Health Science		X	X	X	Health Sciences
	9143	Medical Terminology		X	X	X	
	67901 67902	Anatomy & Physiology (Science credit only)			X	X	
	9149	Certified Nursing Assistant (*) (+)			X	X	
	9162	Procedures in Phlebotomy (*) (+)			X	X	

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AG, FOOD, & NATURAL RESOURCES	3900	Culinary I: Fundamentals of Food & Nutrition	X	X	X	X	
	68351 68352	<i>Chemistry – able to take at high school or at The Career Academy (Science credit only)</i>					Ag/Bioscience

Key: (+) = dual credit, (W) = weighted, (*) = course has prerequisite

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HUMAN SCIENCES - Human Services	3650	Clothing, Textiles & Design	X	X	X	X	
	3700	Interior Design		X	X	X	
	3770	Relationships			X	X	
	4100	Human Behavior (HB)		X	X	X	
	4200	Families and Crisis (HB)		X	X	X	
	3900	Culinary I: Fundamentals of Food & Nutrition	X	X	X	X	
HUMAN SCIENCES - Early Childhood Education	3800B	Infants and Toddlers		X	X	X	Early Childhood Education
	3810B	Preschool/School Age Child		X	X	X	Early Childhood Education
HUMAN SCIENCES - K-12 Education	3810B	Preschool/School Age Child		X	X	X	Early Childhood Education
	3820	LifeSpan Development	X	X	X	X	K-12 Education

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BUSINESS, MARKETING, & MANAGEMENT - Culinary, Hospitality, & Tourism	3900	Culinary I: Fundamentals of Food & Nutrition	X	X	X	X	Culinary
	3901	Culinary II: Culinary Skills (*)	X	X	X	X	
	3902	Culinary III: Advanced Culinary Skills (*)		X	X	X	
	0600	World of Business	X	X	X	X	Business Entrepreneurship
	0770	Marketing		X	X	X	
	0760	Sports & Event Marketing		X	X	X	
BUSINESS, MARKETING, & MANAGEMENT - Finance	07101	Diff Accounting		X	X	X	
	16501	Wealth Building & Financial Mng (+)(W)(*)			X	X	
	1700	Economics in Business (E)		X	X	X	
	1710	Economics (E)			X	X	
	1750	AP Macro Economics (+)(W)(E)			X	X	

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BUSINESS, MARKETING, & MANAGEMENT - Business Management & Administration	0600	World of Business	X	X	X	X	Business Entrepreneurship
	0620	Business Management & Leadership		X	X	X	
	07101	Diff Accounting		X	X	X	
	16501	Wealth Building & Financial Mng (+)(W)(*)			X	X	
	0770	Marketing		X	X	X	
	0760	Sports & Event Marketing		X	X	X	
	1700	Economics in Business (E)		X	X	X	
	8110	Information Technology 1 (T)	X	X	X	X	Business Entrepreneurship
BUSINESS, MARKETING, & MANAGEMENT - Marketing	0770	Marketing		X	X	X	
	0760	Sports & Event Marketing	X	X	X	X	

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COMMUNICATION & INFORMATION SYSTEMS - Arts, Audio/Visual, Technology and Communications	8256	Digital Media & Design (T)	X	X	X	X	
	82536	Video Production (T)		X	X	X	
COMMUNICATION & INFORMATION SYSTEMS - Information Technology	8110	Information Technology 1 (T)	X	X	X	X	
	8256	Digital Media & Design (T)	X	X	X	X	
	82536	Video Production (T)		X	X	X	
	8312	Computer Science Foundations (T)	X	X	X	X	
	8389	AP Computer Science Principles	X	X	X	X	

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SKILLED AND TECHNICAL SCIENCES - Architecture & Construction	4600	Engineering Design 1 (T)	X	X	X	X	Engineering
	4610	Engineering Design 2 (*) (T)	X	X	X	X	Engineering
	4650	Woods Manufacturing 1	X	X	X	X	
	4660	Woods Manufacturing 2 (*)	X	X	X	X	
	46701	Adv. Woods Manufacturing 3 (*)		X	X	X	
	4620	Architectural Design 1 (T)	X	X	X	X	
	4626	Architectural Design 2 (T)	X	X	X	X	
	4627	Architectural Design 3 (T)		X	X	X	
	4641	Robotics 1 (T)	X	X	X	X	
	4642	Robotics 2 (*) (T)	X	X	X	X	
	4643	Robotics 3 (*) (T)		X	X	X	
	3700	Interior Design	X	X	X	X	

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SKILLED AND TECHNICAL SCIENCES - Manufacturing	4850	Welding Tech	X	X	X	X	Precision Machining
	48601	Adv Welding (*)	X	X	X	X	Precision Machining
	4600	Engineering Design 1 (T)	X	X	X	X	Engineering
	4610	Engineering Design 2 (T)					Engineering
	4650	Woods Manufacturing 1	X	X	X	X	
	4660	Woods Manufacturing 2 (*)	X	X	X	X	
	46701	Adv. Woods Manufacturing 3 (*)		X	X	X	
	4620	Architectural Design (T)	X	X	X	X	
	4626	Architectural Design 2 (T)	X	X	X	X	
	4627	Architectural Design 3 (T)		X	X	X	

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SKILLED AND TECHNICAL SCIENCES - Energy & Engineering	4600	Engineering Design 1 (T)	X	X	X	X	Engineering
	4610	Engineering Design 2 (*) (T)	X	X	X	X	Engineering
	4620	Architectural Design (T)	X	X	X	X	
	4626	Architectural Design 2 (T)	X	X	X	X	
	4627	Architectural Design 3 (T)		X	X	X	
	4641	Robotics 1 (T)	X	X	X	X	
	4642	Robotics 2 (*) (T)	X	X	X	X	
	4643	Robotics 3 (*) (T)		X	X	X	
	4650	Woods Manufacturing 1	X	X	X	X	
	4850	Welding Tech	X	X	X	X	

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SKILLED AND TECHNICAL SCIENCES - Transportation, Distribution, & Logistics	47101	<i>Automotive Technology</i>	X	X	X	X	<i>Classes available to all LPS students, but only offered at LHS & LNE - Student must provide their own transportation</i>
	4722T	<i>Advanced Auto 4 (*) (+)</i>	X	X	X	X	
	4720T	<i>Advanced Auto 3 (*) (+)</i>	X	X	X	X	
	4750	<i>Power Mechanics</i>	X	X	X	X	
	4716T	<i>Advanced Auto 1 (+) (*)</i>			X	X	
	4718T	<i>Advanced Auto 2 (+) (*)</i>			X	X	

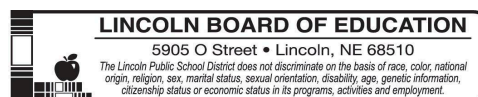
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SKILLED AND TECHNICAL SCIENCES - Science, Technology, Engineering, & Mathematics	4600	Engineering Design 1 (T)	X	X	X	X	Engineering
	4610	Engineering Design 2 (*) (T)	X	X	X	X	Engineering
	4641	Robotics 1 (T)	X	X	X	X	
	4642	Robotics 2 (*) (T)	X	X	X	X	
	4643	Robotics 3 (*) (T)		X	X	X	
	8110	Information Technology 1 (T)	X	X	X	X	
	8310	Intro to Computer Programming (T)	X	X	X	X	
	8325	Adv. Computer Programming (T)	X	X	X	X	
	8387	AP Computer Science Principles (T)	X	X	X	X	



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