

Architecture & Construction-Electrical - Perkins V Statewide Program of Study

This Career Cluster Plan of Study (based on the Architecture & Construction Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. *This Plan of Study, used for learners at an educational institution, should be customized with course titles and appropriate high school graduation requirements as well as college entrance requirements.

MIDDLE SCHOOL CTE					Expanding Student				
Opportunity & Awareness through Career & Technical Education at the Middle School Level									
MIDDLE SCHOOL	Experience	These standards may be taught simultaneously	Safety Obtain the safety training needed to be able to safely accomplish the standards and objectives Career Experience Participate in applied learning and hands-on activities where students can explore career-related skills & interests Career Workplace Skill exposure to common workplace interpersonal skills (soft skills)	Discovery	These standards may be taught simultaneously	Career Awareness Explore the wide variety of career opportunities and skills they require	Career Pathway Understand how school, school programs and education plans lead to specific careers	Sample Occupations	
		High School Core Academic State Graduation Requirements <small>Students may demonstrate achievement of the standards through multiple pathways</small>	State Education Requirements			Local Graduation Requirements			Secondary Career and Technical Education - Culinary Arts
		SECONDARY	English - 4 years or the equivalent in standards achievement Social studies and history, including American history, government, civics and personal finance - 2 years or the equivalent in standards achievement Mathematics - 2 years or the equivalent in standards achievement Science, including at least one year of laboratory study - 2 years or the equivalent in standards achievement Fine arts - art, music, forensics or drama - 1 year or the equivalent in standards achievement Instruction in health, safety, physical education, physiology and hygiene			Maine Guiding Principles A Clear & Effective Communicator A Self-Directed & Lifelong Learner A Creative & Practical Problem Solver A Responsible & Involved Citizens An Integrated & Informed Thinker Maine Learning Results Career & Ed. Dev. English Language Arts Health & Physical Ed. Mathematics Science & Technology Social Studies Visual & Performing Arts World Languages	All Programs of Study must also meet local high school graduation requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.		Electrical Trades 2 year program The Electrical Trades programs prepare students for careers in the electrical fields. Industry Recognized Credentials: NCCER NAHB HBI - House wiring basic or advanced Standards: National Center for Construction Education & Research CORE AND Core Electrical OR National Association of Home Builders AND NFPA Electrical Code
Articulation/Dual/Concurrent Credit -Postsecondary courses may be completed at the secondary level for articulation/dual credit purposes.									
	Higher Education Institution	Articulated Credit (3 credits)	College Enrollment Requirements	Postsecondary -sample training objectives	Postsecondary Training or Degree Completion				
POSTSECONDARY	Years 13 and 14	Central Maine Community College	<i>ELT123 - Electrical Controls I</i>	Secondary articulated credits do not guarantee college acceptance. Students must meet all local college enrollment requirements in order to be accepted into a postsecondary program.	Residential Wiring Electrical Code Electricity and Industrial Controls	Electrical/Electronic Technicians Electricians Assistants Lineworker Fluid Power Systems Inspector Inside Wireman Industrial Election			
		Eastern Maine Community College	<i>ELC151 - Electrical Controls I</i>						
		Kennebec Valley Community College	<i>ETL121 - Electrical Wiring Practices I (5 Credits)</i>						
		Northern Maine Community College	<i>ELE112 - Basic Residential Wiring</i>						
		Southern Maine Community College	<i>ELEC175 - Wiring Practices</i>						
		Washington County Community College	<i>REY 131 - Residential & Commercial Electricity (2)</i>						
	Other	University of Maine Electrical and Engineering Programs							
DocuSigned by:									
<i>Dwight A Littlefield</i>		10/1/2020	<i>Jane M. Anton</i>	9.30.20					
State Director for CTE, Maine Department of Education		Date	Vice President/Chief Academic Officer, Maine Community College System	Date					