



Program of Study
Career Field: Industrial, Manufacturing, and Engineering Systems
Career Cluster: Architecture and Construction
Career Pathway: Construction



Southeast Community College

DEGREE:
 Electrician Construction- IBEW
<http://www.southeast.edu/programs/IBEW/default.aspx>

	GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	GENERAL ELECTIVES		PATHWAY ELECTIVE COURSES		EXTENDED LEARNING SCHOOL/COMMUNITY ACTIVITIES	
HIGH SCHOOL	9	English/Language Arts I	Algebra I	Physical Science	Geography	World Languages & Cultures Physical Education		Intro to the Built Environment <i>Plus two from the following list:</i> Principles of Construction Applications in Construction Electricity in the Construction Industry Electricity - Comprehensive		<i>School Activities:</i> SkillsUSA, OPPD/NPPD Power Drive, FFA, Math Club, MATHCOUNTS <i>Community Activities:</i> Do home repair projects, Learn about history of the buildings in your community, Work with a contractor, Part-time employment available within this career cluster, Internships available within this career cluster	
	10	English/Language Arts II	Geometry	Biology	World History	Health Education Information Technology Applications IEntrepreneurship					
	11	English/Language Arts III	Algebra II	Chemistry	American History	CAD (Computer Aided Drafting) Construction Drafting					
	12	English/Language Arts IV	Intro to Statistics Discrete Math Pre-Calc	Physics	American Government or Economics	Housing and Home Furnishings Manufacturing/Woodworking					
SOUTHEAST COMMUNITY COLLEGE		COMMUNICATIONS	MATH/SCIENCE	SOCIAL SCI/HUMANITIES	COMPUTER TECHNOLOGY	FOCUS COURSES					
	13 and 14	Public Speaking	Business Mathematics	Personal Finance	Microsoft Applications	DC Circuits and Blueprint Reading	AC Circuits and Wire Sizing	Electronic Devices and Electrical Grounding	Logic Circuits and Electrical Motors	Process Controllers and Special Electrical	Electrical Wiring Applications I
		Written Communications	Thinking Mathematically		Computer Literacy	Electrical Wiring Applications II	Electrical Wiring Applications III	Electrical Wiring Applications IV	Electrical Wiring Applications V		
			Applied Algebra & Trig								
			Technical Physics								