



Martin Community College



High School-To-College ELECTRICAL SYSTEMS TECHNOLOGY Pathway

The Electrical Systems Technology curriculum is designed to provide training for persons interested in the installation and maintenance of electrical systems found in residential, commercial, and industrial facilities. Coursework, most of which is hands-on, will include such topics as AC/DC theory, basic wiring practices, programmable logic controllers, industrial motor controls, applications of the National Electric Code, and other subjects as local needs require. Student Learning Outcomes:

- Use electrical test equipment including volt meters, ohm meters, and amp meters to measure voltage, trouble-shoot, analyze and repair electric apparatus found in residences such as receptacles, light switches, circuit breakers, special purpose outlets.
- Install and maintain equipment which consists of conduit, service and lighting panels found in commercial related businesses such as schools, malls, stores, theaters, restaurants, and churches.

PATHWAY: HS Diploma + Electrical Systems Technology Diploma (D35130P)									
	Grade		English/ Lang. Arts	Math	Science	Social Studies	Health & PE	CTE Electives	Career & College Promise College Credit Courses taught by MCC Faculty
SECONDARY	9	Fall	English I	Fnd. of Math I	Earth/Env. Sci.	-----	Health/PE	-----	-----
		Spring	-----	Math I	-----	World History	-----	-----	-----
	10	Fall	-----	Math II	Phy. Science	-----	-----	-----	*ELC 112, *ELC 113
		Spring	English II	-----	-----	Civics	-----	-----	*ELC 117, *ELC 128
	11	Fall	English III	Math III	Found of Bio.	American Hist	-----	-----	*ELC 118, *ELC 125
		Spring	-----	-----	Biology	-----	-----	-----	*ELC 114
	12	Fall	English IV	-----	-----	Econ. & Personal Finance	-----	-----	ACA 115, ISC 112
		Spring	-----	Math IV	-----	-----	-----	-----	*ELC 131, PSY 118
		Summer	ENG 110						
	Congratulations! High School Graduation! Next Step: Submit MCC Admission Application								
POST	13	Fall	<i>AHR 110, AHR 111, BUS 137, **CIS 110, ELC 127</i>						
		Spring	<i>BPR 111, ENG 115, **Humanities/Fine Arts Elective, MAT 110</i>						
Completion of courses in black/bold earn an Electrical Systems Technology Diploma (D35130).									
Completion of courses in <i>red/italics</i> earn an Electrical Systems Technology A.A.S. Degree (A35130).									
Congratulations! College completion of an Electrical Systems Technology A.A.S. Degree (A35130).									
*Only offered at MCC Williamston Campus									
**College transfer courses that may be applied to a University Baccalaureate Degree Transfer Program.									