

LANSING COMMUNITY COLLEGE

Computer, Engineering/Manufacturing Industrial Technologies

Curriculum Code: 1445
(Effective Fall 2018 –
Summer 2023)

Inside Wireman Apprenticeship A.A.S. Pathway

This curriculum is available only to individuals who have completed a formal apprenticeship program through Lansing Community College and hold JATC Inside Wireman journeyman-level status recognized by the U.S. Department of Labor, Bureau of Apprenticeship and Training. Upon completion of all the academic credit courses, the apprenticeship program will be evaluated and appropriate credit awarded. Students who have completed this apprenticeship work installing and servicing electrical wiring and systems in homes, offices, stores or industrial plants. This trade requires mechanical aptitude, logical thinking, and problem-solving skills. Not all courses in this program transfer to all colleges. Students planning to transfer should see an academic advisor before enrolling in any course.

For More Information

Contact the Electrical Technology Program at the West Campus Building, Room M127, telephone number (517) 483-1570 or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5452.

Semester I	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
APPR 170	Inside Wireman Apprentice 1-A	Current IBEW Electrical Apprentice	4 / 4
Credits			4 / 4
Semester II	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
APPR 171	Inside Wireman Apprentice 1-B	Current IBEW Electrical Apprentice	4 / 4
Credits			4 / 4
Semester III	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
APPR 172	Inside Wireman Apprentice 1-C	Current IBEW Electrical Apprentice	4 / 4
Credits			4 / 4
Semester IV	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
APPR 173	Inside Wireman Apprentice 2-A	Current IBEW Electrical Apprentice	4 / 4
Credits			4 / 4

Semester V	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
APPR 174	Inside Wireman Apprentice 2-B	Current IBEW Electrical Apprentice	4 / 4
Credits			4 / 4
Semester VI	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
APPR 175	Inside Wireman Apprentice 2-C	Current IBEW Electrical Apprentice	4 / 4
Credits			4 / 4
Semester VII	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
APPR 176	Inside Wireman Apprentice 3-A	Current IBEW Electrical Apprentice	4 / 4
Writing Core Area - <i>Select 1</i>			
ENGL 121	Composition I	Reading Level 5 and Writing Level 6 or (Reading Level 4 and Writing Level 4 and ENGL 099 concurrently)	4 / 4
ENGL 124	Technical Writing	Reading Level 5 and Writing Level 6 or (Reading Level 4 and Writing Level 4 and ENGL 099 concurrently)	3 / 3
ENGL 127	Business Writing	Reading Level 5 and Writing Level 6 or (Reading Level 4 and Writing Level 4 and ENGL 099 concurrently)	3 / 3
ENGL 131	Honors Composition I	Reading Level 5 and Writing Level 7	4 / 4
Credits			7-8 / 7-8

Semester VIII	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
APPR 177	Inside Wireman Apprentice 3-B	Current IBEW Electrical Apprentice	4 / 4
Mathematics Core Area - <i>Select 1</i>			
ELTE 121	Electrical Mathematics	Minimum 2.0 in (ELTE 102 or DCTM 102 or HVAC 102 or METS 102 or WELD 102) and (ELTE 110 or ELTE 108) and (minimum 2.0 in MATH 114 or Math Level 5) and Reading Level 5	5 / 6
MATH 115	Technical Math II	(Minimum 2.0 in MATH 114 within 2 years or Math Level 5 within 2 years) and Reading Level 5	4 / 4
MATH 117	Math for Business	(Minimum 2.0 in MATH 105 or MATH 106 or MATH 107 within 2 years or Math Level 5 within 2 years) and Reading Level 5 and Writing Level 4	4 / 4
MATH 119	Math – Applications for Living	(Minimum 2.0 in MATH 105 or MATH 106 or MATH 107 or Math Level 5) and Reading Level 5 and Writing Level 4	4 / 4
Credits			8-9 / 8-10
Semester IX	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
APPR 178	Inside Wireman Apprentice 3-C	Current IBEW Electrical Apprentice	4 / 4
Communication Core Area - <i>Select 1</i>			
COMM 110	Oral Communication in the Workplace	Reading Level 5 and Writing Level 6 or (Reading Level 4 and Writing Level 4 and ENGL 099 concurrently)	3 / 3
COMM 120	Dynamics of Communication	Reading Level 5 and Writing Level 6	3 / 3
COMM 130	Fund of Public Speaking	Reading Level 5 and Writing Level 6	3 / 3
COMM 140	Interpersonal Communication	Reading Level 5 and Writing Level 6	3 / 3
Credits			7 / 7

Semester X	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
APPR 179	Inside Wireman Apprentice 4-A	Current IBEW Electrical Apprentice	4 / 4
Science Core Area - <i>Select 1</i>			
BIOL 120	Environmental Science	(Reading Level 5 or ENGL 099 concurrently) and Writing Level 6	4 / 6
CHEM 151 and CHEM 161 <i>(Must sign up for lecture and lab)</i>	General Chemistry I	Reading Level 5 and Writing Level 6 and (Math Level 6 or MATH 109 concurrently or MATH 112 concurrently)	5 / 7
METM 190	Metallurgy and Heat Treatment	Reading Level 5 and Writing Level 6 and Math Level 4	4 / 6
PHYS 120	The Art of Physics	Reading Level 5 and Writing Level 6 and (Math Level 5 or MATH 107 concurrently or MATH 109 concurrently)	4 / 5
Credits			8-9 / 9-11
Semester XI	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
APPR 180	Inside Wireman Apprentice 4-B	Current IBEW Electrical Apprentice	4 / 4
Global Perspectives and Diversity Core Area - <i>Select 1</i>			
COMM 280	Intercultural Communication	Reading Level 5 and Writing Level 6	3 / 3
GEOG 200	World Regional Geography	Reading Level 5 and Writing Level 6 and (Math Level 4 or minimum 2.0 in MATH 105 or MATH 106)	4 / 4
MGMT 234	Diversity in the Workplace	Reading Level 5 and Writing Level 6	3 / 3
SOCL 120	Introduction to Sociology	Reading Level 5 or (Reading Level 4 and ENGL 099 concurrently)	4 / 4
Credits			7-8 / 7-8
Semester XII	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
APPR 181	Inside Wireman Apprentice 4-C	Current IBEW Electrical Apprentice	4 / 4
Credits			4 / 4

Semester XIII	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
APPR 182	Inside Wireman Apprentice 5-A	Current IBEW Electrical Apprentice	4 / 4
Credits			4 / 4
Total Credits			69-73 / 70-76