

# LANSING COMMUNITY COLLEGE

## CURRICULUM GUIDE

Inside Wireman Apprenticeship  
Associate in Applied Science Degree

Curriculum Code: 1445 (Effective Fall 2016 – Summer 2021)

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.

### PREREQUISITES

Students should see [Course Descriptions](#) for course prerequisite information. See [Academic Assessment and Placement Testing for Student Success](#) for skills assessment and advising information.

### INFORMATION

Contact the Electrical Technology Program, West Campus Building, Room M103, telephone number (517) 483-1570.

### REQUIREMENTS

**TOTAL: 36 CREDITS**

CODE	TITLE	CREDIT HOURS
APPR 170	Inside Wireman Apprentice 1-A	4
APPR 171	Inside Wireman Apprentice 1-B	4
APPR 172	Inside Wireman Apprentice 1-C	4
APPR 173	Inside Wireman Apprentice 2-A	4
APPR 174	Inside Wireman Apprentice 2-B	4
APPR 175	Inside Wireman Apprentice 2-C	4
APPR 176	Inside Wireman Apprentice 3-A	4
APPR 177	Inside Wireman Apprentice 3-B	4
APPR 178	Inside Wireman Apprentice 3-C	4

**LIMITED CHOICE REQUIREMENTS****TOTAL: 29–38 CREDITS**Complete the indicated number of credits from **EACH CHOICE** listed below.**CHOICE 1: [General Education Core Areas](#)****16–22 Credits**

(Click the link above for information on how to fulfill these requirements. Core area proficiency exams, where appropriate, are available for each core area.)

Communication Core Area	3–4
Global Perspectives and Diversity Core Area	3–4
Mathematics Core Area	3–5
Science Core Area	4–5
Writing Core Area	3–4

**CHOICE 2: Supervision****4 Credits**

APPR 182	Inside Wireman Apprentice 5–A	4
APPR 227	Supervisor Training	4

**CHOICE 3: Trade Related (See Note 1)****9–12 Credits**

AEET 216	Solar Energy Technologies	3
AEET 219	Wind Energies	3
APPR 179	Inside Wireman Apprentice 4–A	4
APPR 180	Inside Wireman Apprentice 4–B	4
APPR 181	Inside Wireman Apprentice 4–C	4
APPR 183	Inside Wireman Apprentice 5–B	4
APPR 184	Inside Wireman Apprentice 5–C	4
APPR 220	Special Topics/Electricians (See Note 2)	.25–8
APPR 225	Fire Alarms	3
APPR 228	Conduit Fabrication	3
APPR 230	Motor Control Level I	3
APPR 231	Motor Control Level II	3
ELTE 123	Motors and Transformers	5
ELTE 131	Machine Controls I	4
ELTE 240	Electrical Estimating	3
ELTE 260	Programmable Controllers I	4
ELTE 261	Programmable Controllers II	6
HVAC 100	Fundamentals of HVAC	3
HVAC 103	HVAC/R Piping	3
WELD 103	Combination Welding	4
WELD 105	Advanced ARC Welding	4

**MINIMUM TOTAL****65**

**NOTES:**

1. Please see a program advisor for other courses that may be accepted for this "CHOICE". Students following this curriculum may receive a prerequisite override for these courses based on training experience.
2. APPR 220 (Special Topics/Electricians) may be taken up to four times to fulfill the requirements of Trade Related Courses.
3. This degree can only be awarded upon completion of a Joint Apprenticeship Training Committee (JATC) Inside Journeyman Wireman apprenticeship through Lansing Community College which includes 8000 hours of on-the-job training. Proof of completion consists of either a photocopy of the certificate of completion or a letter from the JATC verifying completion.
4. Students may be able to use certain courses more than one time. All students must meet with a program advisor for approval prior to application for graduation.

**SUGGESTED COURSE SEQUENCE**

Students should see course descriptions to find out when departments plan to offer courses. Students who for any reason are unable to follow the course sequence suggested below (for example, those who are part-time, have transferred in courses from another school, or have prerequisites to fulfill) should contact an academic advisor for help with adjustments.

<b>I</b>	<b>II</b>	<b>III</b>	<b>IV</b>
APPR 170	APPR 171	APPR 172	APPR 173
<b>V</b>	<b>VI</b>	<b>VII</b>	<b>VIII</b>
APPR 174	APPR 175	APPR 176 Lim.Ch.	APPR 177 Lim.Ch.
<b>IX</b>	<b>X</b>	<b>XI</b>	<b>XII</b>
APPR 178	Lim.Ch. Lim.Ch.	Lim.Ch.	Lim.Ch.
<b>XIII</b>	<b>XIV</b>	<b>XV</b>	<b>XVI</b>
Lim.Ch.	Lim.Ch.	Lim.Ch.	Lim.Ch.