

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Inside Wireman Apprenticeship
Associate in Applied Science Degree

Curriculum Code: 1445 (Effective Fall 2014 – Summer 2019)

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 Apprenticeship Program, West Campus Building, Room M103, telephone number (517) 483-1364.

REQUIREMENTS

CODE	TITLE	TOTAL: 36 CREDITS 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: 29-37 CREDITS

Complete the indicated number of credits from **EACH CHOICE** listed below.

CHOICE 1: [General Education Core Areas](#)

16-21 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	3-4
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.

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