
2023-24 ACADEMIC COURSES

EWA 260: APPLIED SCIENCE

This course prepares apprentices in the electrical trades to accurately apply principles of science to their work. Topics include: the structure of matter, the physical characteristics of copper and aluminum as conductor materials, the atomic structure of conductors versus insulators (dielectrics), temperature-pressure enthalpy diagrams for heating and cooling cycles, and light propagation in fiber optic media. Limited to IBEW 252 Apprentices.

Level I Prereq: Academic Reading and Writing Levels of 6

Description	Hours
Credits	3
Lecture Hours	45
Clinical Hours	0
Lab Hours	0
Other Hours	0
Total Hours	45

Accurate as of 02/03/2023 Information is subject to change without notice.