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## 2024-25 ACADEMIC COURSES

### EWA 160: AC THEORY

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This course studies alternating current systems and circuits. The effects of inductance and capacitance in alternating current systems are calculated using vector analysis techniques so that the apprentice can understand, design, and troubleshoot the alternating current systems that he will install and maintain. Resonance and power factor correction as power quality issues are also discussed. Limited to IBEW 252 Apprentices. Level I Prerequisite: Academic Reading and Writing Levels of 6

**Level I Prereq:** Academic Reading and Writing Levels of 6

Description	Hours
Credits	4
Lecture Hours	60
Clinical Hours	0
Lab Hours	0
Other Hours	0
Total Hours	60

Accurate as of 05/16/2025 Information is subject to change without notice.