



COURSE AGENDA - Day One:

8:00 am - 12:00 pm Chapter One General: *Definitions*
Requirements for Electrical Installations
Chapter Two Wiring and Protection:

Branch Circuits & Feeders
Branch Circuits & Feeder Calculations
Outside Branch Circuits & Feeders
Services
Over current
Grounding & Bonding

12:30 pm - 2:00 pm Chapter Three: *Wiring Methods and Materials*

Wiring methods
Conductors for general wiring
Outlet boxes and junction box sizing
Cable and conduit application
Over current
Conductor bonding



2:00 pm - 5:30 pm Chapter Four: *Equipment for General Use*

Cords and lamp holders
Appliances
Electrical space heating
Motors, motor circuits and controllers
Air conditioning equipment
Transformers and capacitors

5:30 pm - 6:00 pm Questions and Review

COURSE AGENDA - Day Two:

8:00 am - 10:00 am Chapter Five: Special Occupancies

Hazardous locations

Intrinsically safe systems

Specific rules for special occupancies

10:00 am - 12:00 pm Chapter Six: Special Equipment

Electrical signs

Elevators

Electric vehicle charging

IT equipment

Swimming pools

Photovoltaic systems

12:30 pm - 2:00 pm Chapter Seven: Special Conditions

Emergency systems

Legally required standby

Critical operations power systems

Fire alarm systems

Optical fiber cable

2:00 pm - 5:00 pm Chapter Eight: Limited Energy and Communication Systems

Communication circuits

Radio and TV equipment

Network powered broadband

Premise powered broadband

5:00 pm - 6:00 pm Chapter Nine: Tables

Tubing and conduit dimensions

Dimensions of insulated conductors

Conductor properties

Annex B through E

Questions and Review