

CCTC Online Electrical Outline

ELECTRICAL YEAR ONE

Electrical IA – 12 Weeks

Electrical Safety	- Module #26101
Hand Bending	- Module #26102
Fasteners & Anchors	- Module #26103
Electrical Theory I	- Module #26104

Electrical IB – 12 Weeks

Electrical Theory II	- Module #26105
Electrical Test Equipment	- Module #26106
Introduction to NEC	- Module #26107
Raceways, Boxes, & Fittings	-Module #26108

Electrical IC – 12 Weeks

Conductors	- Module #26109
Electrical Blueprints	- Module #26110
Wiring: Commercial & Industrial	- Module #26111
Wiring: Residential	- Module #26112

ELECTRICAL YEAR THREE

Electrical 3A – 12 Weeks

Load Calculations	- Module #26301
Conductor Selection & Calculations	- Module #26302
Overcurrent Protection	- Module #26303
Raceway, Box & Fitting Fill requirements	- Module #26304

Electrical 3B – 12 WEEKS

Wiring Devices	- Module #26305
Distribution Equipment	- Module #26306
Distribution System	- Module #26307
Transformers, Lamp, Ballasts, & Components	- Module #26308

Electrical 3C – 12 Weeks

Motor Calculation	- Module #26309
Motor Maintenance Part I	-Module #26310
Motor Controls	- Module #26311
Hazardous Locations	- Module #26312

ELECTRICAL YEAR TWO

Electrical 2A – 12 Weeks

Alternating Current	- Module #26201
Motors: Theory & Application	- Module #26202
Grounding	- Module #26203

Electrical 2B – 12 Weeks

Conduit Bending	- Module #26204
Boxes & Fittings	- Module #26205
Conductor Installations	- Module #26206
Cable Tray	- Module #26207

Electrical 2C – 12 Weeks

Conductor Terminations & Splices	- Module #26208
Installation of Electrical Services	- Module #26209
Circuit Breaker & Fuses	- Module #26210
Contractors & Relays	- Module #26211
Electric Lighting	- Module #26212

ELECTRICAL YEAR FOUR

Electrical 4A – 12 Weeks

Load Calculations- Feeders & Services	- Module #26401
Health Care Facilities Standby & Emergency Systems	-Module #26402
-Module #26403	
Basic Electronic Theory	- Module #26404

Electrical 4B – 12 Weeks

Fire Alarm Systems	- Module #26405
Specialty Transformers	- Module #26406
Advanced Motor Controls	- Module #26407
HVAC Controls	- Module #26408

Electrical 4C – 12 Weeks

Heat Tracing & Freeze Protection	- Module #26409
Motor Operation and Maintenance	- Module #26410
Medium-Voltage Termination/Splices	- Module #26411
Special Locations	- Module #26412