# 2014 NEC® Master/Contractor Intermediate Library DVDs

*26 hours & 46minutes*


## CALCULATIONS DVDs

### Raceway & Box Calculations—Unit 5 *2h 57m*

Introduction / Why are NEC Calculations Important? (Play All)
Part A—Raceway Sizing ..... [1:34:40]
Part B—Outlet Box Sizing ..... [0:38:39]
Part C—Pull Boxes, Junction Boxes, and Conduit Bodies ..... [0:37:25]
**Bonus Material**
How to Prepare for an Electrical Exam ..... [0:15:14]

### Conductor Sizing & Protection Calc—Unit 6 *3h 18m*

Introduction / Why are NEC Calculations Important? (Play All)
Part A – Conductor Resistance Calculations ..... [0:58:21]
Part B – Voltage Drop Considerations ..... [1:13:47]
**Bonus Material**
Sizing Conductor Where the Loads are at Different Distances..[ 0:33:32]
How to Prepare for an Electrical Exam ..... [0:15:14]

### Voltage-Drop Calculations—Unit 7 *2h 18m*

Introduction / Why are NEC Calculations Important? (Play All)
Part A—Conductor Requirements ..... [1:04:20]
Part B—Conductor Ampacity ..... [2:07:08]
**Bonus Material**
How to Prepare for an Electrical Exam ..... [0:15:14]

### Motor & Air-Conditioning Calculations—Unit 8 *3h 43m*

Introduction / Why are NEC Calculations Important? (Play All)
Part A – Motor Calculations ..... [3:10:08]
Part B – Air-Conditioning Calculations ..... [0:26:43]
**Bonus Material**
How to Prepare for an Electrical Exam ..... [0:15:14]

### Dwelling Unit Calculations—Unit 9 *2h 1m*

Introduction / Dedication (Play All)
Part A—Standard Method Load Calculations ..... [1:20:20]
Part B—Optional Method Load Calculations ..... [0:18:37]
Part C—Neutral Load Calculations ..... [0:20:50]
**Bonus Material**
Generator Sizing. ..... [0:12:38]
Determining Number of Branch Circuits ..... [0:04:32]

### Multifamily Dwelling Calculations—Unit 10 *1h 52m*

Introduction / Dedication (Play All)
Part A—Standard Method Load Calculations ..... [1:09:21]
Part B—Optional Method Load Calculations ..... [0:28:20]
Part C—Neutral Load Calculations ..... [0:14:18]

### Commercial Load Calculations—Unit 11 *1h 53m*

Introduction / Dedication (Play All)
Part A—General ..... [0:43:06]
Part B—Examples ..... [0:50:36]
Part C—Optional Load Calculations ..... [0:18:10]
**Bonus Material**
Number of Receptacles on a Circuit Other Than Dwelling Units.....[0:03:11]

### Transformer Calculations—Unit 12 *1h 47m*

Introduction / Dedication (Play All)
Part A—General ..... [1:04:06]
Part B—NEC Requirements ..... [0:42:04]
**Bonus Material**
Grounded vs. Ungrounded System ..... [0:35:26]


## CODE CHANGES DVDs

### Part 1 of 2—Article 90 - 250.36 *2h 33m*

Introduction / Dedication (Play All)
Scope of this Program
Electrical Fundamentals ..... [1:13:20]
Article 90—Introduction to the NEC ..... [0:03:28]
Chapter 1—General ..... [0:30:39]
Chapter 2—Wiring and Protection ..... [2:33:15]

**Bonus Material**
Ground Resistance Testing ..... [0:26:24]
Open Neutrals ..... [0:19:06]
Tracing Magnetic Fields ..... [0:22:29]

### Part 2 of 2—Article 250.50 - 810 *4h 24m*

Introduction (Play All)
Scope of this Program
Chapter 2 - Wiring and Protection [continued from Disc 1][2:53:42]
Chapter 3—Wiring Methods and Materials ..... [0:05:30]
Chapter 4—Equipment for General Use ..... [0:13:24]
Chapter 5—Special Occupancies ..... [0:14:11]
Chapter 6—Special Equipment ..... [0:44:20]
Chapter 8—Communications Systems ..... [0:05:34]

**Bonus Material**
Stray Voltage ..... [1:34:20]