

# 2014 NEC<sup>®</sup> Journeyman Intermediate Library DVDs

21 hours & 14 minutes



## 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]

## 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]

