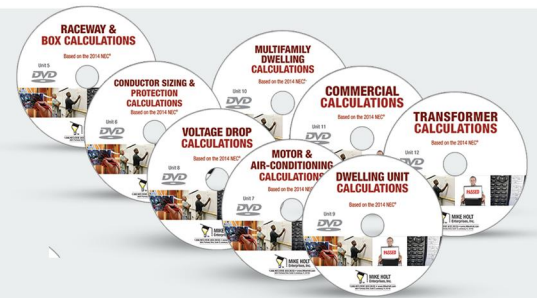


# 2014 NEC<sup>®</sup> Electrical Exam Preparation Calculations

19 hours & 49 minutes



## Raceway & Box Calculations—Unit 5

2 hrs. & 57 min.

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]
<b>Bonus Material</b>	
How to Prepare for an Electrical Exam .....	[0:15:14]

## Conductor Sizing & Protection Calculations—Unit 6

3 hrs. & 18 min.

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

## Voltage-Drop Calculations—Unit 7

2 hrs. & 18 min.

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

## Motor & Air-Conditioning Calculations—Unit 8

3 hrs. & 43 min.

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

## Dwelling Unit Calculations—Unit 9

2 hrs. & 1 min.

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]
<b>Bonus Material</b>	
Generator Sizing.....	[0:12:38]
Determining Number of Branch Circuits.....	[0:04:32]

## Multifamily Dwelling Calculations—Unit 10

1 hrs. & 52 min.

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

1 hrs. & 53 min.

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

## Transformer Calculations—Unit 12

1 hrs. & 47 min.

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

