

# 2020 NEC® Electrical Calculations Training Library

26 hours & 10 minutes



## Raceway & Box Calculations—Unit 5

4hrs. & 58min.

Introduction / (Play All, How to Use This Program)	
Part A—Raceway Sizing	[2:05:47]
Part B—Outlet Box Fill	[1:00:12]
Part C—Pull Boxes, Junction Boxes, and Conduit Bodies	[0:37:27]
Conclusion	[0:01:51]
<b>Bonus Material 1hr. &amp; 06 min.</b>	
How to Prepare for Your Exam	[0:31:41]
Taking the Exam	[0:17:45]
Using the App	[0:11:10]
The Team	[0:06:14]

## Conductor Sizing & Protection Calculations—Unit 6

4hrs. & 46min.

Introduction / (Play All)	
Part A—Conductor Requirements	[1:44:45]
Part B—Conductor Ampacity	[3:01:15]

## Motor, Air-Conditioning, and Transformer Calculations—Unit 7

4hrs. & 29min.

Introduction / (Play All)	
Part A—Motor Calculations	[3:14:27]
Part B—Air-Conditioning Calculations	[0:14:31]
Part C—Transformer Calculations	[0:48:18]
Conclusion	[0:12:40]

## Voltage-Drop Calculations—Unit 8

3hrs. & 21min.

Introduction to Unit 8	[0:17:13]
Part A – Understanding Conductor Resistance	[1:15:47]
Part B – Voltage Drop Considerations	[1:44:48]
Conclusion	[0:03:39]

## Dwelling Unit Calculations—Unit 9

2hrs. & 52min.

Introduction / (Play All)	
Part A—Optional Method Load Calculations [Article 220, Part IV]	[1:18:17]
Part B—Standard Method Load Calculations [Article 220, Part III]	[1:13:18]
Part C—Neutral Load Calculations	[0:15:27]
Conclusion	[0:05:44]

## Multifamily Dwelling Calculations—Unit 10

2hrs. & 48min.

Introduction / (Play All)	
Part A—Optional Method Load Calculations [Article 220, Part IV]	[0:24:41]
Part B—Standard Method Load Calculations [Article 220, Part III]	[1:41:00]
Part C—Neutral Load Calculations	[0:33:07]
Conclusion	[0:09:22]

## Commercial Calculations—Unit 11

2hrs. & 53min.

Introduction / (Play All)	
Part A—General	[1:43:01]
Part B—Examples	[0:20:03]
Part C—Optional Method—New Restaurant Feeder/Service Load Calculations	[0:25:35]
Part D—Welders	[0:22:13]
Conclusion	[0:02:34]

