

2017 NEC® Electrical Engineers Library



80 hours 32 minutes



UNDERSTANDING THE NEC VOL 1

27 hours & 17 minutes

General Requirements—Article 90—110 [0:05:09]

Article 90—Introduction to the NEC.....[0:55:37]
Chapter 1—General.....[4:09:01]

Wiring & Protection—Article 200—285 [0:05:43]

Chapter 2—Wiring & Protection.....[5:42:18]

Wiring Methods & Materials—Article 300—392 [0:11:01]

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Chapter 3—Wiring Methods & Materials.....[6:13:09]

Disc 2 of 2

Chapter 3—Wiring Methods & Materials.....[4:48:25]

Bonding and Grounding—Article 250 [0:17:20]

Disc 1 of 3 (90.1—250.28)[5:53:07]

Purpose of the National Electrical Code[0:39:41]
Article 90—Introduction to the NEC.....[0:15:09]
Chapter 1—General Rules[1:25:45]
Chapter 2—Wiring and Protection.....[2:51:38]

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Chapter 2 - Wiring and Protection [continued from Disc 1]
Part II, Part III, Part IV, Part V, Part VI.[6:11:07]

Disc 3 of 2 (250.130—820.100)[5:16:12]

Chapter 2—Wiring and Protection Part VII.....[0:56:44]
Chapter 3—Wiring Methods and Materials.....[1:05:14]
Chapter 4—Equipment for General Use.....[0:46:46]
Chapter 5—Special Occupancies.....[0:38:19]
Chapter 6—Special Equipment[1:37:32]
Chapter 8—Communications Systems[0:11:37]

Equipment for General Use—Article 400—450 [0:05:23]

Chapter 4—Equipment for General Use[5:18:18]



EXAM PREPARATION/CALCULATIONS

30 hours & 46 minutes

U5—Raceway & Box Calculations [0:04:12]

Introduction / (Play All)
Part A—Raceway Sizing.....[2:34:31]
Part B—Outlet Box Sizing.....[1:02:13]
Part C—Pull Boxes, Junction Boxes, and
Conduit Bodies[0:25:30]
Summary[0:10:02]

U6—Conductor Sizing & Protection Calculations [0:05:13]

Introduction / (Play All)
Part A—Conductor Requirements.....[2:05:31]
Part B—Conductor Ampacity[2:20:20]
Summary.....[0:47:24]

U7—Motor & Air-Conditioning Calculations [0:04:23]

Introduction / (Play All)
Part A - Motor Calculations[3:36:59]
Part B - Air-Conditioning Calculations.....[0:35:17]
Summary[0:11:09]

U8—Voltage-Drop Calculations [0:03:17]

Introduction / (Play All)
Part A - Understanding Conductor Resistance..[1:26:42]
Part B - Voltage Drop Considerations[1:50:23]

U9—Dwelling Unit Calculations [0:03:19]

Introduction / (Play All)
Part A—Load Calculations Standard Method.....[2:06:04]
Part B—Load Calculations Optional Method.....[0:31:10]
Part C—Neutral Calculations.....[0:14:55]
Summary.....[0:13:35]

U10—Multifamily Dwelling Calculations [0:03:36]

Introduction / (Play All)
Part A—Load Calculation Standard Method.....[2:06:48]
Part B—Optional Method Feeder/Service
Load Calculations[0:40:34]
Part C—Neutral Calculations.....[0:37:29]
Summary.....[0:10:32]

U11—Commercial Calculations [0:03:25]

Introduction / (Play All)
Part A—General.....[1:27:13]
Part B—Examples.....[0:53:07]
Part C—Optional Load Calculations.....[0:22:08]
Part D—Welders.....[0:32:36]
Summary.....[0:10:25]

U12—Transformer Calculations [0:03:21]

Introduction / (Play All)
Part A—General.....[1:40:18]
Part B—NEC Requirements[1:17:59]
Part C—Grounding and Bonding[0:23:11]
Summary.....[0:05:43]

Bonus Material (on every DVD) [0:01:40]

How to Use this Program.....[0:08:35]
Passing Your Exam[0:53:42]
How to Use the National Electrical Code.....[0:29:14]



UNDERSTANDING THE NEC VOL 2

22 hours & 29 minutes

Special Occupancies and Special Equipment—Article 500—702 [0:17:04]

Disc 1 of 3 (500.1—514.16) [0:05:19]

Chapter 5—Special Occupancies.....[4:39:45]

Disc 2 of 3 (517.1—640.25) [0:06:05]

Chapter 5—Special Occupancies.....[3:48:15]
Chapter 6—Special Equipment[2:17:02]

Disc 3 of 3 (645.1—702.12) [0:05:40]

Chapter 6—Special Equipment[4:11:02]
Chapter 7—Special Conditions[1:28:58]

Limited Energy and Communications Systems—Article 725—820 [0:05:25]

Chapter 7—Special Conditions[3:13:27]
Chapter 8—Communications Systems[1:31:52]

Bonus Material

How to Use the National Electrical Code.[0:29:14]

