

# Course Description Sheet

---

## COURSE TITLE

2026 NEC Changes: Load Calculations

## COURSE DURATION

2 Hour(s)

## OVERVIEW

This course explores load calculation requirements and key updates in the 2026 National Electrical Code. It examines how modern electrical systems, including energy management systems and power control systems, influence load calculations and system design.

Participants will review how the NEC approaches calculating electrical demand across a variety of occupancies, including dwelling units, multifamily buildings, health care facilities, RV parks, and manufactured home parks. The course also discusses evolving considerations such as EVSE loads, noncoincident loads, and updated calculation methods for existing buildings. Together, these topics provide a practical understanding of how NEC load calculation rules are applied to accurately size electrical systems and support safe, reliable installations.

## PREREQUISITES

No prior knowledge is required.

## BEHAVIORAL OBJECTIVES

After successfully completing this course, you will be able to:

- Define “energy management system”
- Describe what a power control system is
- Explain why the scope of Article 120 was expanded
- Discuss why continuous loads are calculated at 100 percent
- State the allowances for noncoincident loads
- Recall how a power control system can be used in a load calculation
- Describe how to calculate the minimum number of circuits required for a dwelling unit
- Explain how to calculate clothes dryers and fixed multioutlet assemblies
- Discuss the reduced calculation for lighting in dwelling units
- Explain the demand factors for clothes dryers and instantaneous water heaters
- Describe the general rule for EVSE load calculations
- State the requirements for using the optional calculation method for dwellings
- Discuss the simplified rules for calculating loads for existing dwellings
- Explain why the total demand for multifamily dwellings was revised
- State how to determine existing loads
- Describe the receptacle demand factors for health care facilities
- Detail the demand factors for patient care-related equipment in health care facilities
- Identify the load calculations for RV parks
- Discuss the load calculations for mobile and manufactured home parks

## COURSE OUTLINE

Chapter	Minutes
Introduction	5

Article 100: EMS and PCS	15
Article 120: Branch-Circuit, Feeder, and Service Load Calculations	95
Conclusion	5
<b>Course Total</b>	<b>120</b>
<b>+ Study Exercises (TS)/Checkpoints (RV) (10% Course Total)</b>	<b>9.1</b>
<b>+ Supporting Documents (word count/145)</b>	
<b>= Grand Total</b>	<b>132</b>

#### **AVAILABILITY**

This course is offered online and is available 24 hours a day, 7 days a week, 365 days a year.

#### **TRAINING METHODOLOGY & EVALUATION**

This course is self-paced online training. Review exercises reinforce the content, and students are evaluated with a multiple-choice exam. Upon completion, students are prompted to submit a course evaluation.

#### **REFERENCES**

2026 NEC Code Book