

REQUIRED COURSE MATERIAL

The following items are required for each participant:

- 2007 National Electrical Safety Code
- RUS 24.9/14.4 KV Line Construction Specs
- Engineering Scale
- Calculator

REGISTRATION

The registration fee for the Georgia EMC Level I Distribution Line Design and Certification Program is \$975.00 per student.

Note: The registration fee includes lunch each day of the training. Lodging and other expenses are the responsibility of the student.

To register, visit www.georgiaemc.com. For additional information contact Greg McKoy at 478-992-6132 or email greg.mckoy@georgiaemc.com

INSTRUCTORS

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DISTRIBUTION LINE DESIGN AND CERTIFICATION PROGRAM

LEVEL 1

www.georgiaemc.com

PROGRAM DESCRIPTION

Georgia EMC's Distribution Line Design and Certification Programs provide essential training for field engineering personnel. The Level I training is intended for those individuals that have less than three (3) years of distribution line design experience or for those who are looking to refresh their knowledge of basic line design.



The Level I training class covers the fundamentals of distribution

line design. Participants design a single phase overhead pole line that encompasses learning about RUS assemblies, clearances, sag tables, guy tensions and transformer loading. An overview of the National Electrical Safety Code is covered during the training along with a discussion about legal liability.

The Level I course includes hands on experience in the classroom and in the field. The skills and knowledge learned during the course are essential for those who design and maintain distribution power lines.



PROGRAM SCHEDULE

Day 3		
8:00 – 10:00 am	Transformer Loading	
10:00 – 11:30 am	Design Project	
11:30 – 12:30 pm	Lunch	
12:30 – 1:30 pm	Field Tools	
1:30 – 4:00 pm	Field Work	
4:00 – 4:30 pm	Class Review	

Day 4		
8:00 – 11:00 am	Certification / Testing	
11:00 – 11:30 am	Comments / Adjourn	

Day 1	
8:00 – 8:15 am	Introduction / Overview
8:15 – 8:45 am	Fundamentals of Line Design
8:45 – 9:15 am	NESC Overview
9:15 – 10:15 am	Staking Tools
10:15 – 11:30 am	Permits / Reading DOT Plans
11:30 – 12:30 pm	Lunch
12:30 – 1:45 pm	Class Project
1:45 – 2:15 pm	NESC Clearance Requirements
2:15 – 3:30 pm	Ruling Span / Sag Tables
3:30 – 4:30 pm	Clearance Calculations

Day 2	
8:00 – 10:00 am	Pole Height Calculations
10:00 – 11:30 am	RUS Assembly Overview
11:30 – 12:30 pm	Lunch
12:30 – 1:45 pm	RUS Assembly Angle Loading
1:45 – 3:15 pm	RUS Guy Loading
3:15 – 4:00 pm	Legal Liability
4:00 – 4:30 pm	Software Tools