
Power Line Design & Staking Certification Program

Level III — July 16 – 19, 2019

Course 301: Overhead Line Design & Staking, Level III - 3.5 days

Who should attend: Staking Technicians; Field Personnel; Power Line Workers; Designers; Engineers; Utility Managers; Engineering Managers; System Engineers; Contractors and any others interested in this area. *Pre-requisite:* Successful completion of Overhead Line Design & Staking, Levels I and II

In Level III Overhead Line Design and Staking, students will build on the foundation created in the prerequisite courses, Levels I and II and are introduced to underground line design. Attention is given to understanding how to apply the theories of line design to solve special problems.

After completion of this course, participants will be able to complete the layout and design of most overhead and underground projects. Students will also understand the physical loads on the distribution system and the associated hardware, read DOT projects, class poles, design for special guying situations, calculate sag and create a stringing chart and estimate sag on uneven terrain.

NOTE: Students need to bring Power Line Design Series Kit items provided in the Level 1 course. (not included in course materials). CEUs: 2.1

Among many other topics, this level of study includes instruction on:

*DOT Projects • Pole and Pole Top Component Loading
Insulation Loading • Cross-arm Loading • Underground Design - Basics
NESC: Strength & Loading • Conductor Sag & Tension
RUS Bulletin 1724E104 • Special Condition Anchoring*

Classes will be held at the OAEC Training Center from 8:30 a.m. to 4:30 p.m.
Lunch provided Tuesday through Thursday
(Friday hours will be 8:00 a.m. to 11:30 a.m.)

Students will be **provided** with a **course guide** to keep, and are **required** to bring the trigonometric functions **calculator**, **protractor**, and **scale** from Level I, or similar, and a copy of the current **NESC Code Book**.
A **compass** is also **desirable to bring**.

Cost: \$1,395 per person.

Deadline for Registration is July 2, 2019 after Deadline \$100.00 late fee will apply.