



J Davis Prosound & Lighting  
[www.jdavisprosound.com](http://www.jdavisprosound.com)

GRAFLE  Inc.

## Entertainment Electrics Workshop for Audio, Lighting, & Video Techs

*Learn the essentials of electrical safety, power distribution, and technical skills*

Don't miss this course filled with the essential knowledge you need to excel in the field of audio, video, and lighting in television, film, live events, and event production. It starts with the basics of electrics and includes 3-phase power, power factor, harmonics, and how they apply to modern audio, video, and lighting systems.

Join author and noted lighting professional Richard Cadena for this rare opportunity to advance your skills in the event production industry.

### What You Will Learn

#### Essentials of Electricity

DC electricity • AC electricity • Terminology • Circuits • Ohm's Law • Load Calculations • Generator Operation • Wire Gauges • Color Codes • Types of Loads • Power Factor • Three-Phase Systems • Harmonics • and More

#### Practical Applications

Calculating Voltage Drop • Inrush Current • Electrical Safety • Preventing Ground Loops • Setting up Portable Power Generators • Feeder Transformer Connections • Setting Up PD Systems • Electrical Safety • Maintaining Clean Power • Isolation • and More

### Who Should Attend

Audio Techs • Lighting Techs • Video Techs • Electricians • Backline Techs • Design Engineers • Generator Operators • Consultants • System Integrators • Stage Managers • Students •

### Schedule

June 21 & 22, 2016; 9:00 am to 5:00 pm (17:00)

### Certificate of Attendance

Successful attendees will receive a signed certificate indicating the successful completion of the course.

**SPACE IS LIMITED SO REGISTER TODAY!**

To register or for more information, please visit [www.APTXL.com](http://www.APTXL.com) or call (512) 280-0384.

### ABOUT THE PRESENTER

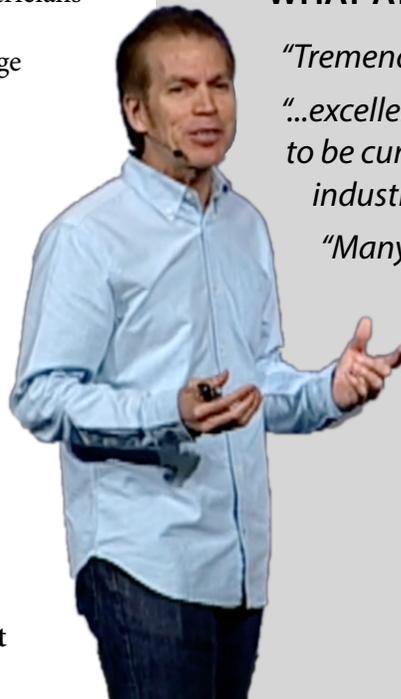
**Richard Cadena** is an ETCP Recognized Trainer, ETCP Certified Entertainment Electrician, and author of: *Electricity for Entertainment Electricians & Technicians, Focus on Lighting Technology, Automated Lighting: The Art and Science of Moving Light* and *Lighting for Modern Houses of Worship*. His unique style and irreverent sense of humor make his courses entertaining, highly informative, and educational.

### WHAT ATTENDEES HAD TO SAY

*"Tremendous educational experience."*

*"...excellent class for anyone who wishes to be current with best practices in the industry. I highly recommend it."*

*"Many elements that were a complete mystery to me have now had light shed on them. What I learned in this class will provide an excellent*



*foundation for my continued study."*