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CEDIA University e-Learning hosted by Royal Systems



Home Theater and Acoustics Series *e-Learning*

CEU Value: 9

Instructor: Dr. Floyd Toole - CCI

Series includes ESD301, ESD302, and ESD303.

Package fees: \$177 member/\$237 non-member



ESD301 Home Theater and Acoustics Part I *e-Learning*

CEU Value: 3

Instructor: Dr. Floyd Toole - CCI

This is Part One of a comprehensive three part series of courses that cover in full the topic of how loudspeakers perform inside rooms. Use this knowledge to ensure the best possible results you your surround sound system designs. Key topics in Part One:

- Basics of sound and sound reproduction
- Sound transmission and reflection in rooms
- Analysis of room size and shape to predict performance

Recommended Prerequisites: ESD131

A la carte fees: \$79 member/\$99 non-member



ESD302 Home Theater and Acoustics Part II *e-Learning*

CEU Value: 3

Instructor: Dr. Floyd Toole - CCI

This is Part Two of the “trilogy” of courses dealing with sound reproduction in rooms. Build on the knowledge from Part One and explore how loudspeakers work, and how to implement surround sound for the best cinema experience possible. Key topics in Part Two:

- Surround sound configurations for different audiences and room sizes
- Loudspeaker characteristics and performance goals
- Loudspeaker specification; fact and fallacy

Recommended Prerequisites: ESD301

A la carte fees: \$79 member/\$99 non-member



ESD303 Home Theater and Acoustics Part III *e-Learning*

CEU Value: 3

Instructor: Dr. Floyd Toole - CCI

This is the final installment of Dr. Toole’s three part series on Home Theater Audio and Acoustics. Apply the knowledge gained in the first two sessions to the proper design of theater surround systems that meet the performance benchmarks as well as the client’s budget and other constraints. Key topics in Part Three:

- Surround system design in the real world
- Speaker selection and placement for the best coverage

- Managing room modes and subwoofer placement for smooth bass response

Recommended Prerequisites: EST225, EST325, ESD301, ESD302

A la carte fees: \$79 member/\$99 non-member



EST243 IP for Technicians *e-Learning*

Instructor: Peter Aylett, - CCI

CEU Value: 3

Gain a foundation to understand and configure IP (Internet Protocol) for basic device applications. With the vast majority of subsystems now having the ability to be converged over an IP network, this is arguably the most important topic to make sure that you have a solid background in.

- Discuss the advantages and importance of the growth in IP networking
- Explain common network protocols such as TCP, UDP, IP, DHCP, DNS, and NAT
- Select, install, and configure consumer routers for wired environments
- Create and implement IP addressing schemes for connected network devices
- Create system documentation for IP networks

A la carte fees: \$79 member/\$99 non-member

How to register:

1. Select link to register for e-Learning session of your choice. *Link will direct you to CEDIA University registration system.*
2. Make course selection(s) and checkout.
3. After checkout a CEDIA representative will contact you with information on how to access your e-Learning course(s). Please allow 24hrs to receive your login information. ***Purchases made over a weekend or on a holiday will not be processed until the following business day.**
4. Access to the course(s) will be granted for 30days. You may stop and restart your course anytime.
5. If you need assistance, please contact elearning@cedia.org or (800) 669-5329.