



SBE University consists of online, on-demand courses designed to provide relevant and convenient continuing education to broadcast engineers. These affordably priced courses provide expert instruction on a variety of technical radio and television topics and can be accessed again and again. Students have access to any course purchased for its entire life, including any updates that are made to the course.

## Why take an online course?

### Why take an online course?

- **Relevancy** – continuing education that is applicable and timely for you, the broadcast engineer, as well as satisfying SBE recertification credit requirements
- **Flexibility** – courses can be taken anytime to fit any schedule
- **Affordability** – low fee without the travel time and expense

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## Current Courses

NEW

### Television Video and Audio - a Ready Reference for Engineers

SBE Members: \$99 Non-Members: \$139

Author: Randy Hoffner

The purpose of this course is to give the television engineer a solid grounding in the various aspects of video and audio for television, and to serve as a ready reference to the pertinent standards. This course provides an overview of video and audio for television, from the dawn of analog television broadcasting to today's digital television transmission.

NEW

### The New Lifecycle of Media - IP and File Based Architecture and Workflows

SBE Members: \$99 Non-Members: \$139

Author: Gary Olson

This course will provide an understanding of all the technical considerations that need to be taken into account in a file based architecture, as well as the changing roles and responsibilities engineers will have in designing and maintaining these new systems. The changes in workflow and business processes are also reviewed, as well as the new jobs / roles that are necessary in handling media in this architecture.

### 8-VSB

SBE Members: \$99 Non-Members: \$139

Author: Douglas W. Garlinger, CPBE, 8VSB, CBNT

The purpose of the SBE 8-VSB course is to give the student an overview of the 8-VSB system from end to end, providing all the basic information he or she will need to understand the nature of 8-VSB modulation and to recognize deficiencies in the transmitted signal. This information will be invaluable in installing, maintaining and operating a digital television transmitter facility.

### AM Antenna Computer Modeling

SBE Members: \$99 Non-Members: \$139

Author: Cris Alexander, CPBE, AMD, DRB

This course will take the student through the modeling and measurement process specifically for AM broadcast antennas, providing a general understanding of the process and procedures as well as operation of the recommended software.

### AM Antenna Systems

SBE Members: \$65 Non-Members: \$85

Author: Cris Alexander, CPBE, AMD, DRB

This course takes the student through every facet of AM antenna systems in all their forms, dealing with each element or variation separately and pulling the elements together to show how they are used in concert.

### Broadcast Audio Processing

SBE Members: \$80 Non-Members: \$105

Author: Stephen M. Poole, CBRE, AMD, CBNT

This course, intended for the intermediate-to-experienced broadcast engineer, takes a practical, real-world approach to audio processing. Topics include loudness and the human ear, gain control, limiting and clipping, adjusting a wideband processor for voice and multi-band processing.

Sign up today!  
[www.sbe.org](http://www.sbe.org)

SBE University is brought to you by:

**Society of Broadcast Engineers, Inc.**

9102 North Meridian Street · Suite 150 · Indianapolis · IN · 46260

P: (317) 846-9000 · F: (317) 846-9120 · Email: [kkissel@sbe.org](mailto:kkissel@sbe.org) · [www.sbe.org](http://www.sbe.org)



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### **Computer Networking for Broadcast Engineers**

*SBE Members: \$99 Non-Members: \$139*

*Author: Paul Claxton, CPBE, CBNT*

The purpose of this course is to give the student an introduction to the fundamental concepts of computer networking. This course will assist the broadcaster in passing the SBE Certified Broadcast Networking Technologist exam.

### **FM Transmission Systems**

*SBE Members: \$80 Non-Members: \$105*

*Author: Cris Alexander, CPBE, AMD, DRB*

This course will help the student understand the proper design, installation and maintenance of an FM transmission system and how its components and variables related to those components impact the performance of an FM station.

### **Matching Networks and Phasing**

*SBE Members: \$80 Non-Members: \$105*

*Author: Cris Alexander, CPBE, AMD, DRB*

The purpose of this course is to give the student a good overall understanding of the various types of networks used in an AM transmission system, the situations in which each might be used and calculating the leg values thereof. It also discusses the phase budget for a phasing and coupling system and the use of power divider and phasing networks therein.

### **Voice Telco Networks & Studio Interface Systems**

*SBE Members: \$65 Non-Members: \$85*

*Author: Steve Church*

The course provides the student with a working understanding of how a signal gets from end to end, how to troubleshoot telco problems and how to properly interface broadcast equipment to the telco world. This course will benefit individuals in either television or radio station facilities.

### **ENG Truck Operations**

*SBE Members: \$85 Non-Members: \$85*

*Author: Mike Seaver, CBT*

This course, designed for non-technical personnel, covers the basics necessary to produce a safe, good quality field-produced shot from both a microwave based vehicle as well as one utilizing satellite uplinks. Topics include safety, the basics of microwave principles and operation, audio, video, various IFB techniques, lighting basics, use of wireless microphones and other advanced applications.

**NEW**

**“After going through several other interactive courses since the SBE 8-VSB course, I can honestly say it is top notch in its course presentation. I do look forward to taking other courses as well.”**

*- Todd Creamer, SBE Member, Marion, Illinois*

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