## FALL 2022 BROADCAST TECHNOLOGY (Non-Production) Engineering Internship Program



Application Window Open Now To July 22 Apply at www.IndianaBroadcasters.org

ngineering is the foundation of any radio or television broadcasting station. A responsive engineering team ensures that broadcasters stay "on the air" and connected to the communities they serve with vital information and entertainment. And today, broadcast engineering is far more than just maintaining a radiofrequency transmitter and studio. There are many computer systems and technical challenges involved with keeping any station "on the air" and available online, too.

The Indiana Broadcasters Association offers a 14-week Broadcast Technology Engineering Internship to provide a college student the opportunity to learn more about broadcast engineering.

**Students can apply for the Fall 2022 program now through July 22.** A committee of the IBA Board of Directors will review all applications and select a winning internship student by August 5, for the Fall 2022 semester. To be eligible, applicants must:

- be a current, full-time college student attending an IBA Member Indiana college or university;
- have an overall GPA of 2.5 or greater (on a 4.0 scale)





## FOR RADIO/AUDIO

- Week 1: Paperwork, Staff Introductions, Expectations, Orientation to Station Facilities
- Week 2: Audio Basics (Analog and Digital); Station Signal and Work Flow
- Week 3: Studio Consoles, Equipment, and Audio Production
- Week 4: Equipment Maintenance and Repair
- Week 5: Networking Basics and Configuration; AoIP (If digital facility)
- Week 6: Introduction to Automation, Traffic, Music Scheduling Systems
- Week 7: Systems Integration and Configuration
- Week 8: Remote Broadcasting (RPUs and Codecs)
- Week 9: Studio-to-Transmitter Links (Wired and Wireless)
- Week 10: Streaming Technology and Transmission Site Facilities
- Week 11: AM/FM/HD Transmission Systems (including

## Transmitters)

- Week 12: RF Antennas and Satellite Downlinks
- Week 13: Student Choice and/or Additional Material
- Week 14: Finish; Collect Materials for Portfolio; Exit



## Paperwork FOR TELEVISION / VIDEO

**Week 1:** Paperwork, Staff Introductions, Expectations,

Station Orientation (Facilities and Signal Flow)

- Week 2: Audio and Video Basics (Analog and Digital); Station Signal and Work Flow
- Week 3: Master Control Room Technology; Editing and Camera Equipment; Studio Production and Lighting

**Week 4:** Introduction to Hub technology (if available);

Equipment Maintenance and Repair

Week 5: Networking Basics and Configuration

- Week 6: Introduction to Automation, Traffic, Newsroom Systems
- Week 7: Systems Integration and Configuration; Graphics; Captioning
- Week 8: ENG Technology; Field Equipment and Production
- Week 9: Studio-Transmitter and Provider Links
- Week 10: Transmission Site Facilities
- Week 11: Digital Transmission Systems (including Transmitters)
- Week 12: RF Antennas and Satellite Downlinks (Uplinks if Possible)
- Week 13: Student Choice and/or Additional Material
- Week 14: Finish; Collect Materials for Portfolio; Exit Paperwork

