

# IN225: BICSI Installer 2, Copper Training

## ABOUT THIS COURSE

- ❖ 5-day course
- ❖ 35 CECs

## COURSE OVERVIEW

This five-day course sets the foundation of a copper-based structured cabling system installation. The course begins with an overview of copper transmission principles, professionalism, life safety and general industry best practices, as related to copper. A significant amount of course time will then be spent on BICSI best practices for the installation, termination, testing and retrofitting of copper cable. Additional topics covered will include BICSI best practices for pathways and spaces; bonding, grounding and protection; and firestopping.

## COURSE HIGHLIGHTS

- Codes and standards/ BICSI best practices
- Copper transmission principles
- Safety
- Professionalism
- Telecommunication pathways
- Telecommunication spaces
- Bonding, grounding (earthing) and protection
- Firestopping
- Installation/pulling copper cable
- Termination of copper cable
- Testing/troubleshooting of copper cable
- Retrofits
- Field coordination

## KNOWLEDGE AND SKILLS

Must be able to distinguish between different colors and possess manual dexterity to complete fine motor tasks. Topics taught in class build upon what is taught in IN101.

**Note:** The BICSI Installer 2, Copper exam is not included in the course fee. You must register for the exam separately. Download an exam application at [www.bicsi.org/in2copper](http://www.bicsi.org/in2copper) or contact BICSI.



## WHO WILL BENEFIT?

- Anyone looking to expand their knowledge of the industry or advance their cabling installation career
- Individuals who want to learn new copper installation skills
- Level I Installers seeking the Installer 2, Copper credential
- Individuals planning to sit for the BICSI Installer 2, Copper exam

## COURSE MATERIALS

Students must bring a print version of the *Information Technology Systems Installation Methods Manual (ITSIMM)* to class. The manual (not included in the course fee) can be ordered at [www.bicsi.org/publications](http://www.bicsi.org/publications). Personal or prescription safety glasses are also recommended.

## PREPARATION

This course builds on the lessons taught in the IN101 course. Students of this class may wish to first attend IN101 or gain equivalent experience and knowledge through on-the-job-training. BICSI strongly recommends reading the *ITSIMM* before coming to class and/or taking the exam. Order the *ITSIMM* online at [www.bicsi.org/publications](http://www.bicsi.org/publications). Visit [www.bicsi.org/in2copper](http://www.bicsi.org/in2copper) for content covered in the exam.

**BICSI training offers career paths to internationally recognized credentials in design, installation and project management.**

## Apply IN225 CECs Toward Renewal of BICSI Installer 2, Copper Credential!

In addition to earning CECs toward renewal of your existing credentials, all students who complete IN225 and pass the BICSI Installer 2, Copper exam within seven days will receive 35 CECs for the review course toward BICSI Installer 2, Copper renewal. This means that all Installation Program students who take this course and pass the exam within the seven-day time period will obtain ALL of the CECs needed for their first renewal period. Visit [www.bicsi.org/reviewcec](http://www.bicsi.org/reviewcec) for more information.