



## COURSE NUMBER

FHWA-NHI-380094

## COURSE TITLE

### Science of Crash Modification Factors

This course provides participants with the knowledge and skills needed to critically assess the quality of Crash Modification Factors (CMFs). The course covers concepts underlying the measurement of safety and the development of CMFs, key statistical issues that affect the development of quality CMFs, key methodological issues that affect the development of quality CMFs, and the general and methodological issues and statistical thresholds used to recognize quality CMFs.

This course combines self-paced material that will orient you to CMFs and what constitutes a quality CMF followed by a web-conference that will help you evaluate CMFs found in the CMF Clearinghouse. You will need access to both a telephone and internet connection to participate in the live web session.

## OUTCOMES

Upon completion of the course, participants will be able to:

- Explain the concepts of Crash Modification Factors (CMFs) and the measurement of safety.
- List and describe important statistical issues that affect safety research.
- Describe and compare three methodologies for evaluating the safety effect of a countermeasure.
- Select the most appropriate CMF for a given application.

## TARGET AUDIENCE

The professionals who would be most interested in completing this course are those who are responsible for identifying, recommending, selecting, and installing appropriate countermeasures to help reduce the number of crashes.

**TRAINING LEVEL:** Intermediate

**FEE:** 2017: \$150 Per Person; 2018: N/A

**LENGTH:** 3 HOURS (CEU: .3 UNITS)

**CLASS SIZE:** MINIMUM: 10; MAXIMUM: 45

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