

# **National Forensics Training Center**

*Mississippi State University*

## **CF102 – Forensic Tools and Techniques**

### **Course Overview**

#### **Course Requirements:**

All students must complete the CF101 training course through the National Forensics Training Center at Mississippi State University.

#### **Course Description:**

The CF102 course is an introduction to digital forensics tools and techniques. This course provides hands on experience with digital forensics tools. The exercises in the CF102 course are intended to provide the student with a greater understanding of the concepts that are discussed in the CF101 curriculum.

#### **Course Objective:**

Upon completion of the course students will be familiar with the methodology of digital forensics tools that are used for basic digital forensics analysis. Students will be prepared for more advanced uses of commercial digital forensics tools and advanced digital forensics techniques.

#### **Course Topics:**

- Creating an image of digital evidence
- Hashing concepts and techniques
- File system basics
- Data recovery techniques
- File identification using file signatures
- Analysis of metadata
- Email tracing

#### **Completion Conditions:**

A student is considered to have completed the CF102 course if he or she attends the entire course, and satisfactorily completes the assigned exercises/tasks/tests. Upon completion each student will be presented with a Certificate of Completion.