## Standard 1: Creativity and Innovation

*Students demonstrate creative thinking, construct knowledge, and develop innovative products and processes using technology.*

**Students will be able to:**

- **CFI.1.1** Apply existing knowledge to generate new ideas, reports, or processes in electronic data discovery.
- **CFI.1.2** Create original works as a means of personal or group expression in explanation or support of digital evidence.
- **CFI.1.3** Use models and simulations to analyze and understand complex digital systems and issues in a digital forensic investigation.
- **CFI.1.4** Identify patterns and predict possible outcomes from assorted scenarios and case studies.

## Standard 2: Communication and Collaboration

*Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.*

**Students will be able to:**

- **CFI.2.1** Interact, collaborate, and publish with peers or others employing a variety of digital environments and media.
- **CFI.2.2** Communicate analysis of evidence collected during a forensic investigation effectively using a variety of media and formats.
- **CFI.2.3** Contribute to project teams to produce original works or solve digital forensic cases.

## Standard 3: Research and Information Fluency

*Students apply digital tools to gather, evaluate, and use information.*

**Students will be able to:**

- **CFI.3.1** Plan strategies to discovery digital evidence.
- **CFI.3.2** Locate, organize, analyze, evaluate, synthesize, and ethically use information from a variety of sources and media.
- **CFI.3.3** Evaluate and select information sources and digital discovery software to assist in data recovery and discovery.
- **CFI.3.4** Apply process forensic data and generate case study reports.
## Standard 4: Critical Thinking, Problem Solving, and Decision Making

Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.

Students will be able to:

- **CFI.4.1** Identify and authentic problems and significant questions during a digital forensic case study.
- **CFI.4.2** Plan and manage forensic activities to develop evidence to support a digital investigation.
- **CFI.4.3** Collect and analyze data to identify solutions and/or make informed decisions.
- **CFI.4.4** Use multiple digital discovery processes and diverse perspectives to discover and analyze relevant data.

## Standard 5: Digital Citizenship

Students understand human, cultural, and societal issues related to technology and practice legal and ethical behavior.

Students will be able to:

- **CFI.5.1** Advocate and practice safe, legal, ethical, and responsible behaviors in working with digital data / evidence.
- **CFI.5.2** Exhibit a positive attitude toward using technology that supports collaboration, learning, and productivity in support of proposed case study.
- **CFI.5.3** Demonstrate personal responsibility for lifelong learning and career opportunities in computer forensic investigation.
- **CFI.5.4** Exhibit leadership for digital citizenship.

## Standard 6: Technology Operations and Concepts

Students demonstrate a sound understanding of technology concepts, systems, and operations.

Students will be able to:

- **CFI.6.1** Understand and use a variety of digital data discovery tools.
- **CFI.6.2** Select and use applications and associated hardware effectively and productively.
- **CFI.6.3** Troubleshoot systems and applications.
- **CFI.6.4** Transfer current knowledge to learning of new technologies.