CSIS 3757 - Computer Forensics

Fall 2026 Syllabus, Section 01, CRN 41219,

Credit hours: 3

Instructor

Robert A. Gilliland, Ph.D.

Assistant Professor

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Public Instructor Information

Instructor Title: Robert A. Gilliland, Ph.D.
Instructor Professional Qualifications: Ph.D., Cybersecurity, Northcentral University, 2021
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Course Description

3757. Computer Forensics. Professional computer forensics, including methods and investigative techniques for the discovery and recovery of digital images and information at all levels, from PCs to large information systems. Chain of evidence and investigative techniques for cybercrime detection. Prereq.: CSIS 3755. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Computer Forensics and Investigations, 7th Edition	Nelson, B., Phillips, A., Steuart, C., Wilson, R., S	8220147703080

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	Ch. 1	Understanding the Digital Forensics Profession and Investigatio	
8/31	Ch. 2	Report Writing and Testimony for Digital Investigations	
9/7	Ch. 3	The Investigator's Laboratory and Digital Forensics Tools	
9/14	Ch. 4	Data Acquisition	
9/21	Ch. 5	Processing Crime and Incident Scenes	
9/28	Ch. 6	Working with Microsoft File Systems and the Windows Registry	
10/5	Ch. 7	Linux and Macintosh File Systems	
10/12	Ch. 8	Media Files and Digital Forensics	
10/19	Ch. 9	Virtual Machine Forensics and Live Acquisitions Forensics	
10/26	Ch. 10	Network Forensics	
11/2	Ch. 11	Cloud Forensics and the Internet of Any	
11/9	Ch. 12	Mobile Device Forensics	

11/16	Ch. 13	Email and Social Media Investigations
11/23	Ch. 15	Ethics and Professional Responsibilities

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.