

# ITDF - CYBERSECURITY

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## **ITDF 1305 Digital Data Storage Forensics 3 Credit Hours (2 Lec, 4 Lab)**

Exploration, examination, and assessment of the characteristics and details of digital storage media used in computers systems and small-scale digital devices. Includes experimenting with various tools to reinforce identification of evidentiary data.

Prerequisite: ITNW 1325 with a grade of C or higher, ITNW 1413 with a grade of C or higher, ITSC 1316 with a grade of C or higher, ITSC 1342 with a grade of C or higher, and ITSE 1346 with a grade of C or higher

## **ITDF 1400 Introduction to Digital Forensics 4 Credit Hours (3 Lec, 2 Lab)**

A study of the application of digital forensic technology to collect, analyze, document, and present information while maintaining a documented chain of custody. Overview of ethics, crime, and other legal guidelines/regulations/laws. Includes overview of tools used for forensic analysis of digital devices in investigations.

Prerequisite: ITNW 1325 with a grade of C or higher, ITNW 1413 with a grade of C or higher, ITSC 1316 with a grade of C or higher, ITSC 1342 with a grade of C or higher, and ITSE 1346 with a grade of C or higher

## **ITDF 2330 Digital Forensics Analysis 3 Credit Hours (2 Lec, 3 Lab)**

Digital forensic analysis, report preparation, and evidence presentation. Emphasizes balancing legal and technical aspects of cases where digital forensics is employed.

Course Type: Technical/Vocational Course

## **ITDF 2420 Digital Forensics Collection 4 Credit Hours (3 Lec, 2 Lab)**

A study of acquiring digital evidence from devices, networks and logs while preserving the evidentiary chain. Includes the legal aspects of the search and seizure of computers and related equipment/information.

Course Type: Technical/Vocational Course

Prerequisite: ITNW 1325 with a grade of C or higher, ITNW 1413 with a grade of C or higher, ITSC 1316 with a grade of C or higher, ITSC 1342 with a grade of C or higher, ITSE 1346 with a grade of C or higher, ITDF 1400 with a grade of C or higher, ITNW 1335 with a grade of C or higher, ITDF 1305 with a grade of C or higher, and ITSY 2343 with a grade of C or higher

## **ITDF 2425 Digital Forensics Tools 4 Credit Hours (3 Lec, 2 Lab)**

Skills-based course in the applications of forensic analysis software and hardware tools.

Course Type: Technical/Vocational Course

Prerequisite: ITNW 1325 with a grade of C or higher, ITNW 1413 with a grade of C or higher, ITSC 1316 with a grade of C or higher, ITSC 1342 with a grade of C or higher, ITSE 1346 with a grade of C or higher, ITDF 1400 with a grade of C or higher, ITNW 1335 with a grade of C or higher, ITDF 1305 with a grade of C or higher, and ITSY 2343 with a grade of C or higher

## **ITDF 2430 Digital Forensics Analysis Digital Forensics Analysis 4 Credit Hours (2 Lec, 4 Lab)**

Digital forensic analysis, report preparation, and evidence presentation. Emphasizes balancing legal and technical aspects of cases where digital forensics is employed.

Prerequisite: ITNW 1325 with a grade of C or higher, ITNW 1413 with a grade of C or higher, ITSC 1316 with a grade of C or higher, ITSC 1342 with a grade of C or higher, ITSE 1346 with a grade of C or higher, ITDF 1400 with a grade of C or higher, ITNW 1335 with a grade of C or higher, ITDF 1305 with a grade of C or higher, and ITSY 2343 with a grade of C or higher

## **ITDF 2435 Comprehensive Digital Forensics Project 4 Credit Hours (2 Lec, 4 Lab)**

Comprehensive application of skills learned in previous digital forensics courses in a simulated crime scene or workplace investigation. Includes collection, analysis, and presentation of digital data and evidence in a problem-based case study format.

Prerequisite: ITNW 1325 with a grade of C or higher, ITNW 1413 with a grade of C or higher, ITSC 1316 with a grade of C or higher, ITSC 1342 with a grade of C or higher, ITSE 1346 with a grade of C or higher, ITDF 1400 with a grade of C or higher, ITNW 1335 with a grade of C or higher, ITDF 1305 with a grade of C or higher, and ITSY 2343 with a grade of C or higher