CRYPTOCURRENCY AND DARK WEB INVESTIGATIONS

Instructor: Melissa Maranville

Melissa Maranville is the Founder/CEO of DeVille and Associates, a public safety training agency located in Knoxville, TN, where she has been researching and developing law enforcement education and training content focusing on topics such as human and sex trafficking, and cryptocurrency and the dark web.

Melissa comes with over 25 years' law enforcement experience in educating, training, development, presenting, and lecturing.

A former law enforcement officer, Melissa is experienced in crime scene investigation and time-since-death, as well as a former criminal justice and criminology college professor. In 2000, Melissa assisted in training and educating the FBI's Evidence Response Team in crime scene collection of human remains at the University of Tennessee's Forensic Anthropological Research Facility, the Body Farm. It is here where Melissa began her career path and passion of becoming an expert on human/sex trafficking and sex crimes working alongside Dr. Bill Bass.

Since then, Melissa has become an avid speaker and trainer for police academies, educating on human and sex trafficking and how to identify trafficking during routine traffic stops and investigations. On several occasions, Melissa was invited to speak and present at the Department of Homeland Security's training division in Emmitsburg, Maryland on Mass Fatalities and Counter Terrorism; as well as the College of Forensic Psychology on expert witness courtroom testimony regarding Domestic Minor Sex Trafficking, in San Diego, California. In addition, Melissa has completed training at the Tennessee Bureau of Investigation, The University of Tennessee, Oak Ridge National Laboratory, and The University of North Carolina.

During Melissa's college professor days, she researched, developed and taught many courses in criminal justice, criminology, victimology, mass fatalities, terrorism, and organized crime. It was during this time that Melissa developed a passion for understanding the criminal mind focusing on organized crimes that fund terrorism, such as human and sex trafficking. In understanding the Future of the Criminal Mind, Melissa began developing content and training programs in Cryptocurrency and the Dark Web for an INTERPOL training initiative, including webinars with the first of its kind to be held in Cape Town, South Africa.

Melissa is currently a PhD candidate in Cognitive Psychology at Grand Canyon University, where her research and dissertation has focused on sex crimes and sex offenders in relation to recidivism rates looking at the United States' sex offender registration program and how to educate law enforcement agencies on reducing repeat offending. Melissa also holds a master's degree in Public Health and Safety from the University of Tennessee focusing on mass fatalities and terrorism.

Lastly, Melissa holds many recognitions, including Psi Chi National Honorary Society, Alpha Chi National College Honor Society, Recognition of research on "Violence Against Women in the South" from Spellman College, Nominated for Distinguished Faculty Member for five consecutive years, and a Letter of Commendation from Knox County Sheriff's Dept. Knoxville, Tennessee for dedicated work on sex offender cases in conjunction with the Tennessee Bureau of Investigations.

Course Overview:

The criminal mind is constantly advancing as technology changes. With the development of the internet, came a new tool for criminals to conduct illegal activity. With the emergence of the dark web and cryptocurrency, criminals gained anonymity of their illegal day-to-day transactions making it more difficult to be detected by law enforcement agencies.

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Law Enforcement Officers and investigators encounter different people daily during routine traffic stops and investigations, including technologically advanced criminals affording them the opportunity to uncover crimes of anonymity.

This course will focus on criminals and the dark web. Diving deep into the internet and anonymity of criminals, this course will assist in learning about the how the dark web and cryptocurrency function, different case studies will be offered to understand and learn about cryptocurrency and dark web criminal activities and educating law enforcement on ways to detect general dark web activity during general traffic stops and investigations.

Upon Completion:

Participants will be able to:

1. Gain general education on cryptocurrency and the dark web.
2. Understand the technological criminal and their victims.
3. Learn about cryptocurrency and technology.
4. Learn about the different levels and history of the internet.
5. Understand policing and investigations of cryptocurrency and dark web.
   a. What to look for during routine traffic stops and investigations
6. Learn about smart technology and digital evidence.
7. Understand laws, search and seizure, warrants, and subpoenas.
8. Learn the differences between cybercrime and hackers.
9. Learn how organized crime plays a key role in the dark web.
10. Learn about case studies and how they relate to the dark web and crime.
11. Understand how a coordinated approach can help rescue and protect future victims.

AGENDA

Day 1:

8:00 a.m. – 8:30 p.m. Registration
8:30 a.m. – 11:30 a.m.   Introduction
                             What questions are needing to be answered?
                             What is cryptocurrency and the dark web?
                             What's the problem?
                             Differences between centralized and decentralized networks
                             What is digital currency and how does it work?
                             What are Initial Coin Offerings (ICOs)?

11:30 a.m. – 12:30 p.m.   Lunch

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12:30 p.m. – 5:00 p.m.	The Good, the Bad and the Internet The history of the deep/dark web and why was it developed? What are VPNs? What do they look like? What's the difference between the nets? What is TOR? Criminals and anonymity Cryptocurrency and the Dark Web Case studies (Drug trafficking, child porn, human/sex trafficking and funding terrorism)

Day 2

8:00 a.m. – 11:30 a.m.	What about dark web regulations? Policing and Investigation challenges LEOs and Routine Traffic Stops Investigations What to look for? Smart technology, digital evidence, mining equipment Understanding laws Search and Seizure/Warrants and Subpoenas
11:30 a.m. – 12:30 p.m.	Lunch
1:00 p.m. – 5:00 p.m.	Vulnerabilities and Future Crimes Cybercrime and Hackers Extortion Case Studies Organized Crime and the future What Can We Do? Are the good guys winning?
4:30 p.m.	Certificate Presentation