



*A specialized course  
designed to familiarize  
professionals  
with security's  
core concepts*



# **Certificate in Cyber Security**

*Now Enrolling  
Fall 2019*

*Class Begins  
October 19, 2019*

**PDI** Professional  
Development  
Institute

UNIVERSITY OF NORTH TEXAS

**940.565.3353**

**pdi.org**

# Earn a Certificate in Cyber Security from UNT/PDI

Work with educators and field experts while earning the **Certificate in Cyber Security** from the Professional Development Institute at the University of North Texas. Participants become familiar with security's core concepts, terminology, technologies and skills. **Introduction to Cyber Security** is a beginning guide for anyone interested in computer security. Major security topics such as vulnerability assessment, virus attacks, hacking, spyware, network defense, passwords, firewalls, VPNs and intrusion detection are covered. Crucial issues from industrial espionage to cyber bullying are discussed. Additionally, participants learn the latest computer attacks and counter measures.

**Program takes 4 months to complete.  
All course are online with the exception of 3 LIVE classes.**

## Curriculum

### Introduction to Cyber Security

This course introduces participants to cryptography, security management, wireless networking, and organizational policy. Topics include an overview of information security frameworks; network infrastructure security; security and cryptography; information security policy; and defense in depth.

### Cyber Security II: Threats, Conflict, Privacy, Identity

Cyber Security II covers incidence response, introduction to forensics, cyber laws, malware/ransomware.

### Understanding the Neighborhood: The Deep and Dark Web

Here, participants will learn that the layers of the Internet go far beyond the surface content that many can easily access. The other content is the Deep Web, content that has not been indexed by traditional search engines such as Google. The furthest corners of the Deep Web, segments known as the Dark Web, contain content that has been intentionally concealed. The Dark Web may be used for legitimate purposes as well as to conceal criminal or otherwise malicious activities. This lecture will give members a basic understanding of the Dark Web and what is on it.

### Research in Cyber Security

Cyber security is the continuing effort to protect electronic data and computer systems from unwanted intrusions. According to the United States Department of Homeland Security (DHS), cyber attacks have increased over the past decade, exposing sensitive personal and business information to theft, and disrupting vital computer systems. The ultimate goal of cyber security is to protect electronic information both in transit, and at rest. This section of the course will be used as independent researching, utilizing what you learned to develop a white paper that will be presented at a conference, published in a journal or presented as expert level proposal to a cyber security company. Outstanding white papers will be published on the PDI/UNT website for all business and corporations to see. You will be working with skilled researches to bring your idea to life.

## Why This Certificate Matters

The Certificate in Cyber Security is designed to build on the knowledge of participants who undergrad degrees in Criminal Justice. It will strengthen the academic training of those who have obtained degrees in other disciplines. It assists students seeking career options in cyber related fields. It is also designed to support professionalism in the field.

### WHO SHOULD ATTEND

- Anyone interested in Cyber Security and the career options available in the Cyber Security field
- Anyone with a degree in Criminal Justice who is interested in expanding their knowledge in Cyber Security
- Individuals from other fields seeking more knowledge about Cyber Security
- Individuals seeking to support professionalism in the field through advanced studies

### PREREQUISITES

- Have a high school diploma (or GED)
- Fluent in English
- Basic working knowledge of computers and the internet
- Online access for computer-based proficiency testing

### Price

- \$3,800. Includes all materials and fees

### Classes

- All online except for 3 live classes in Denton. Call for details.



## Executive Committee

**Scott H. Belshaw, Ph.D.**  
*Advisory Council Chair and  
Executive Director*



Dr. Belshaw holds a Ph.D in Criminal Justice. He is Associate Professor of Criminal Justice at the University of North Texas and Director and the Director UNT's Cyber Forensics Lab. His primary investigative experience is in cyber security and the Dark Web. Dr. Belshaw also serves as a consultant to the UK Probation Service on the Dark Web Training Sex offender officers on how to catch offenders on the web. Dr. Belshaw has published numerous scholarly and academic articles on cyber forensics and internet security. He has numerous patent pending products being utilized and reviewed by numerous governmental agencies. Dr. Belshaw is trained in the following forensics equipment and software: AccessData BootCamp Digital Forensics Software (2016) - Forensic Toolkit, FTK Imager, Password Recovery Toolkit and Registry Viewer AccessData Windows Forensic Core, Completed training in BlackBag Technologies Mobilize Forensic Software He is currently a Certified Mobilize Operator

### Mike Saylor

Mike is President and Founder of the Cyber Defense Labs in North Texas with more than 26 years of diversified business experience, with both domestic and international companies, in Cyber Security, Executive Protection, Intelligence and Investigations, Expert Testimony, Digital Forensics, IT operations, Technology Risk Management and Auditing, and Education and Training disciplines. Mike is also a Fusion Liaison Officer with the North Texas Fusion Center, president emeritus and founding member of the FBI's North Texas Infragard program, a member of the Cyber Crime Committee for the North Texas Crime Commission, member of the US Secret Service's North Texas Electronic Crimes Task Force, and Professor of Cyber Security and Digital Forensics for Collin College. Mike is a licensed private investigator with a Bachelor's degree in Information Systems from the University of Texas at Arlington, and a Master's degree in Criminal Justice from the University of Texas at Dallas. He is also the Co-Author of the book Cyber Crime and Cyber Terrorism 4th edition.

***"Cyber Security is a vital part of any successful organization. We designed this program to give anyone who seeks it much-needed insight into what it takes to maintain a strong Cyber Security team."***

Dr. Scott Belshaw, Program Executive Director

## Certificate Program in Cyber Security Registration Form

Four convenient ways to register  
On-Line: [certificate.pdi.org](http://certificate.pdi.org)

By Phone: 940.565.3353 / By Fax: 940.565.3362  
By Mail: 1155 Union Circle # 305101, Denton, TX 76203

Name \_\_\_\_\_

Professional Title \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Telephone Number \_\_\_\_\_

E-Mail (to receive confirmations) \_\_\_\_\_

\$3,800 Certificate Program / 01C02-272

Total Enclosed \$ \_\_\_\_\_

Paying by:

Check (payable to PDI)

Credit Card:

AMEX  MasterCard  VISA  Discover

Card # \_\_\_\_\_

Card Verification Number \_\_\_\_\_

Expiration Date \_\_\_\_\_

Name on Card \_\_\_\_\_

Signature \_\_\_\_\_

Policies: A participant may receive a full refund by providing written cancellation 10 or more business days prior to start date of program. No refunds granted within 10 business days of start date. No refunds granted after start of program. Substitutions accepted at any time up to start date. Under special circumstances, PDI may allow you to transfer your registration. If your registration is transferred and you later cancel your registration, only 50% of your registration will be refunded. If the enrollment is not sufficient to warrant holding the program, PDI reserves the right to cancel. If this situation occurs, you would receive a full refund. PDI is not responsible for any expenses incurred by registrant due to cancellation.

The Department of Criminal Justice at the University of North Texas currently has 650+ students. Alumni include administrators and officers of local law enforcement agencies, police chiefs, special agents and officers of the U.S. Government, administrators and officers in the Texas Youth Commission and the Texas Department of Criminal Justice, probation and parole officers, and students working in security, investigations, and loss prevention.  
**Learn more at <http://www.unt.edu/cjus/>**

The Professional Development Institute located at the University of North Texas is a not-for-profit, continuing educational facility supporting UNT. PDI has been in existence for more than three decades. Areas of study include energy, legal services, financial management, financial planning, management and personal development.  
To learn more about PDI, visit us at [www.pdi.org](http://www.pdi.org)