



CAPITOL TECHNOLOGY UNIVERSITY

DOCTORAL HOODING CEREMONY

CLASS OF 2025

FRIDAY, MAY 2, 2025 • 4 PM
AVRUM GUDELSKY AUDITORIUM



CAPITOL
Technology University

A MESSAGE FROM THE PRESIDENT

Welcome to Capitol Technology University's Doctoral Hooding Ceremony. We are proud to celebrate the academic achievement of the doctoral students who will graduate this week. It is an especially significant achievement we recognize in the hooding ceremony, acknowledging the commitment our students have made to the contribution of new knowledge through their doctoral studies.

This weekend's doctoral graduates join a distinguished group of over 700 Capitol Technology University doctoral alumni. This group consists of a community of scholars and practitioners who have devoted their academic pursuits to technology-related fields that will help power the future with fresh ideas and new knowledge.

We encourage our graduates to apply their learning to the biggest challenges faced by society. As leaders in their respective fields, they are now empowered with skills and knowledge—and the Cap Tech spirit—that will help them to “find a way or make one.”

As our graduates pass from student to scholar through this ceremony today, we remind them that they are part of the Capitol Technology family, and they are always welcome as members of our community. We celebrate them today and will continue to celebrate their future successes.

A handwritten signature in black ink, reading "Bradford L. Sims". The signature is fluid and cursive, with the first name "Bradford" being more prominent and the last name "Sims" following in a similar style.

Bradford L. Sims, PhD

ORDER OF CEREMONY

Musical Selection

Processional

Dr. Bradford Sims, President

*Dr. Joshua Sinai, Professor of Practice,
University Marshal/Mace Bearer*

Dr. Željko (Z.) Torbica, Vice President, Academic Affairs

*Dr. William Butler, Vice President,
Cyber Science Outreach and Partnerships*

Dr. Christopher Linski, Dean, The Graduate School

Dr. Tracy Irish, Associate Dean, The Graduate School

Dr. Matthew Wyandt, Director of Dissertations

Announcement of Convocation

Joshua Sinai, PhD

Welcome and Introduction

Bradford Sims, PhD

Dean Address

Christopher Linski, PhD

Presentation of Candidates

Christopher Linski, PhD

Hooding of Candidates

Tracy Irish, PhD

Matthew Wyandt, PhD

Recessional

Join us for our **Graduate & Alumni Reception** immediately following the ceremony in the McGowan Academic Center.

All are welcome!

A BRIEF HISTORY OF DOCTORAL STUDIES AT CAPITOL TECHNOLOGY UNIVERSITY

In 2010, (then) Capitol College launched its first doctoral program. This decision came on the heels of nearly 20 years of success with our Master's programs and a growing demand for degrees in the area of information assurance. With a cohort of 10 students, Capitol's first doctoral program began.

Two years later, our first doctoral graduate was awarded the Doctor of Science in Information Assurance (DSIA). The following year, 10 more students received their DSIA degrees. The DSIA degree was subsequently renamed the Doctor of Science in Cybersecurity and the first 6 students were awarded that degree in December of 2014. In 2015, Capitol added a PhD in Business Analytics & Decision Sciences to our offerings. Over the years, the name of this degree changed to reflect the evolving nature of the field; variations of the name included a PhD in Management & Decision Sciences and, as it is named now, a PhD in Business Analytics & Data Science.

In 2017, Capitol introduced the mentored model PhDs. The first of these mentored degrees, the PhD in Technology, was awarded in December of 2019. Prior to awarding these new degrees, 128 students had completed their doctoral degrees at Capitol.

In the years since, Capitol added many more mentored model research degrees in a variety of technology-related fields. In addition to the PhD degrees, Capitol added the Doctor of Business Administration (DBA) in 2022 and the Doctor of Education (EdD) in 2023. Capitol currently offers 42 doctoral degrees which are listed in the back of this program.

Since the first Doctor of Science in Information Assurance was awarded in 2012, nearly 500 students have earned Capitol Technology University doctoral degrees. Meanwhile, Capitol currently boasts nearly 550 students enrolled in doctoral programs, who we anticipate joining us in future hooding ceremonies. In just 14 years, doctoral programs have made an extraordinary contribution to the University, significantly elevating Capitol's ability to achieve its mission, and this is just the beginning.

DOCTORAL REGALIA

The origin of doctoral robes and hoods may be traced to the 19th century when the open tunic of the professors exposed a fur lining. The velvet facings on the modern doctoral robes recall the fur lining of the robes of those early scholars.

The traditional doctoral robe is a black gown. In the 19th century, however, the chancellor of Oxford University began appearing in academic processions wearing an elaborate robe with a train and gold oak-leaf lace. Ornamentation of the traditional cleric's gown proved to be popular, and scholars at many universities began to decorate their doctoral gowns. Today it is common for the doctoral gown of a college or university to display the school colors.

The doctoral hood is a stylized version of the medieval cowl and outer robe. Viewed from the back, the modern hood shows a black shell replicating the original round cloak or chasuble, and colored silk displaying the colors of the college. The black appendage at the bottom of the hood, called the liripipe, was used to pull the hood on or off.

The doctoral hood has a gold (DSc) or royal blue (PhD) neckpiece, and displays the red and black colors of Capitol Technology University on the rear panel.

Caps, Mortarboards and Tassels

The academic cap is derived from the cap the clerics used for warmth. The traditional mortarboard is part of the Oxford University academic costume, which American higher education has adopted. Tassels appear on the majority of caps and mortarboards. Generally the tassel is black, but doctoral tassels are gold, and some institutions color the tassel to represent the field of study of the wearer. No historical basis can be found for the tradition of moving the tassel from side to side at commencement.

Increasingly, doctoral caps are departing from the traditional mortarboard. The Capitol Technology University doctoral cap is a six-sided tam-o'-shanter.

| Field of Study | Hood Neckband Color |
|------------------------------|---------------------|
| Arts and Letters, Humanities | White |
| Business | Drab |
| Economics | Copper |
| Education | Light Blue |
| Engineering | Orange |
| Law | Purple |
| Medicine | Green |
| Music | Pink |
| Science | Golden Yellow |
| Philosophy | Deep Blue |
| Theology | Scarlet |

CAPITOL TECHNOLOGY UNIVERSITY

CLASS OF 2025

DOCTORAL CANDIDATES

DOCTOR OF BUSINESS ADMINISTRATION

Jeff Bajah

*DBA in Supply Chain Management,
Summer 2024*

Chair: Dr. Sharon Burton

Dissertation: RSC and Its Effect on
Customer Satisfaction: A Qualitative
Semi-structured Interview Study

Jesse Singleton, Sr.

*DBA in Supply Chain Management,
Fall 2024*

Chair: Dr. Kevin Richardson

Dissertation: Leadership and
Resilience: Integrative Strategies for
Supply Chain Management

ShaReese Garner

*DBA in Supply Chain Management,
Anticipated, Spring 2025*

Chair: Dr. Darrell Burrell

Dissertation: The Bullying of
On-site Federal Government
Contractors: An Interpretative
Phenomenological Analysis

DOCTOR OF SCIENCE

Kwasi Amoah

DSc in Cybersecurity, Spring 2025

Chair: Dr. Mark Fearer

Dissertation: Optimization of Network
Resources through Software-Defined
Network (SDN), Network Functions
Virtualization in IP Environment

Peter Mark Audi

DSc in Cybersecurity, Spring 2025

Chair: Dr. Travis Hartman

Dissertation: Cost of Doing
Business: CMMC Cost Analysis for
Small Businesses

Marcus Anderson

*DSc in Cybersecurity, Anticipated,
Spring 2025*

Chair: Dr. Philip Kulp

Dissertation: International Cyber
Cooperation: Coalition of the Willing

Krystal Clarke

*DSc in Cybersecurity, Anticipated,
Spring 2025*

Chair: Dr. Jovey Martir

Dissertation: Exploring Skills
Between Retail Management and
Cybersecurity: An Interview-based
Phenomenological Study

Seth M. Doty

DSc in Cybersecurity, Fall 2023

Chair: Dr. Nikki Robinson

Dissertation: Exploring Human Error:
Comparing Intention and Action in US
Healthcare Startups

Joseph Matthew Elbaum

DSc in Cybersecurity, Spring 2025

Chair: Dr. Tracy Irish

Dissertation: Efficacy of U.S. Federal
Government Cybersecurity Workforce
Programs Marketing Methods

Rawad Elkhatib

DSc in Cybersecurity, Fall 2024

Chair: Dr. Char Sample

Dissertation: An Exploration of Cyber
Predator Patterns in Grooming Children
Using Social Media Applications

Andre Lynn Florence

*DSc in Cybersecurity, Anticipated,
Spring 2025*

Chair: Dr. Nikki Robinson

Dissertation: A Study of 5G Risks in U.S.
Air Force Sustainment Operations

Leslie Edward Garren

DSc in Cybersecurity, Spring 2025

Chair: Dr. Nikki Robinson

Dissertation: Utilizing Memory Analysis
of Windows 10 Systems to Identify
Malicious Attacks Via Powershell

Robert Sydney Hangley, Jr.

DSc in Cybersecurity, Fall 2024

Chair: Dr. Nikki Robinson

Dissertation: Internet of Things
for Military Installation Defense:
Understanding Authorization
and Functionality

Shelly Kelly

*DSc in Cybersecurity, Anticipated,
Spring 2025*

Chair: Dr. Tracy Irish

Dissertation: Zero Trust in Multi-Cloud:
Cybersecurity Professionals Define
Technical Implementation Challenges

Jean Kouadio Kouadio

DSc in Cybersecurity, Fall 2024

Chair: Dr. Nikia Muller

Dissertation: Exploring the Transition to
Agile Software Development Lifecycle
Process in a Government Agency:
a Qualitative Case Study

April Mickens

DSc in Cybersecurity, Spring 2025

Chair: Dr. Nikki Robinson

Dissertation: The Effects on Mitigation
Implementation When Integrating
Network and Security Operations
Center Services

Aprielle Oichoe

DSc in Cybersecurity, Spring 2025

Chair: Dr. Mark Fearer

Dissertation: An Analysis of the Effects
of Organizational Culture, Cybersecurity
Culture and Privacy Culture in
Kenyan Organizations

Romeo N. Ojong

DSc in Cybersecurity, Spring 2025

Chair: Dr. William Butler

Dissertation: Assessing Phishing Attacks Within Maryland Healthcare Organizations

Jai Prakash

DSc in Cybersecurity, Spring 2025

Chair: Dr. Donovan Wright

Dissertation: Adoption Challenges With The Adoption of Blockchain Technology In The United Arab Emirates (UAE)

DOCTOR OF EDUCATION

Philip Pinaula Muna

EdD in Educational Data Analytics, Anticipated, Spring 2025

Chair: Dr. Tracy Irish

Dissertation: The Mindfulness for Professional Drivers Using Mantra as an Effective Method towards Safety Awareness

DOCTOR OF PHILOSOPHY

Enoch Boakye Acheampong

PhD in Cybersecurity Leadership, Spring 2025

Chair: Dr. Owen Sutter

Dissertation: Enhancing Information Security Risk Management Through Plackett-Burman Experimental Design

Bezakulu Atnafu Alemu

PhD in Sustainability, Anticipated, Spring 2025

Chair: Dr. Darrell Burrell

Dissertation: Fostering Sustainable Practices in Organizations: Examining the Impact of Organizational Culture and Knowledge Management Strategies

Oluwafemi Adedeji

PhD in Quantum Computing, Spring 2024

Chair: Dr. Robert Campbell

Dissertation: Quantum Cognition: a Generalized View of Quantum Natural Language Processing for Near-human Robotics Intelligent Communication

Md Hanif Ibne Ali

PhD in Computer Science, Anticipated, Spring 2025

Chair: Dr. Christopher Gorham

Dissertation: Cybersecurity, Artificial Intelligence, and the Growing Gap

Ali Mohammed Al-Lafi

PhD in Aeronautical Science, Summer 2024

Chair: Dr. Richard Baker

Dissertation: Private Jets Corporate Care Technical Programs Ph.D. Project: a Comprehensive Review of Saving and Budget Control for Aircraft Owners and Operators

Randy Anderson

PhD in Engineering Management, Spring 2025

Chair: Dr. Christabel Tan

Dissertation: A Root Cause Assessment of Corrective and Preventive (CAPA) Issues: Lessons from the US Medical Device Industry

Andrews Asiedu

PhD in Cybersecurity Leadership, Anticipated, Spring 2025

Chair: Dr. William Butler

Dissertation: The Impact of Cultural Differences in Multinational Organizations on Cybersecurity Leadership

Yodit Ayalew

PhD in Artificial Intelligence, Anticipated, Spring 2025

Chair: Dr. James Ibe

Dissertation: Generative & Explainable AI for Cross-Jurisdictional Crime Analysis: The NeoGraphRAG + XAI Framework

Roy Balleste

PhD in Space Cybersecurity, Fall 2024

Chair: Dr. Michael Johnson

Dissertation: Space Cyber Power: Strategy in the Age of Cyber Privateers

Vanessa B. Becerra-Bautista

PhD in Artificial Intelligence, Spring 2025

Chair: Dr. Donovan Wright

Dissertation: The Adoption of Artificial Intelligence in Crisis Intervention Protocols for Suicide Prevention

Savan Christian Becker

PhD in Technology, Anticipated, Spring 2025

Chair: Dr. Michael Johnson

Dissertation: Enabling Collaborative Cislunar Space Exploration via Extended Reality Concepts and Technology

Andy Ebuma Bedy

PhD in Cybersecurity Leadership, Anticipated, Spring 2025

Chair: Dr. William Butler

Dissertation: Assessing Cybersecurity Workforce within D.R. Congo's Independent National Electoral Commission

Edwin Shawn Bell

PhD in Artificial Intelligence, Spring 2025

Chair: Dr. Steven Harrison

Dissertation: US Military Weaponized UAVs: Complexity and Potential AI and MASINT Influences on Targeted Killing

Eric Allen Blount

PhD in Artificial Intelligence, Anticipated, Spring 2025

Chair: Dr. Henry Williams

Dissertation: Algorithmic Governance: Navigating Bias, Transparency, and Privacy in United States Government AI Systems

Mark Campbell

PhD in Cyber Leadership, Fall 2024

Chair: Dr. Richard Schilling

Dissertation: Exploring the Role of Organizational Culture in Cybersecurity Leadership: a Phenomenological Study

Sean Michael Carr

PhD in Emergency and Protective Services, Summer 2024

Chair: Dr. Linda Martin

Dissertation: Safety, Security and Emergency Management Strategy Training in Hospitality Industry: Report of Preparedness for Active Threats, Traumatic and Epidemic Events

Roberta Carroll

PhD in Artificial Intelligence, Spring 2025

Chair: Dr. Nikki Robinson

Dissertation: Optimizing Pre-trained Natural Language Transformers to Discover Domain Specific Incidental Findings from Radiology Documents

John Wai-Chung Chan

PhD in Artificial Intelligence, Anticipated, Spring 2025

Chair: Dr. Steven Jeffries

Dissertation: Towards Engagingness in Conversational AI: A Study in Generative AI Topical Chat

Sarah Choudhary

PhD in Business Analytics and Data Science, Anticipated, Spring 2025

Chair: Dr. Tracy Irish

Dissertation: Life Expectancy in the USA and Future Analysis

Lloyd Edward Clark

PhD in Artificial Intelligence, Anticipated, Spring 2025

Chair: Dr. Michael Johnson

Dissertation: Application of AI in Industrial and Critical Infrastructure Environments in Aerospace

David T. Clements

PhD in Technology, Spring 2025

Chair: Dr. Andrew Mehri

Dissertation: The Effectiveness of Workforce Development on Formerly Incarcerated African American Fathers: A Qualitative Study

Lawrence E. Creeden

PhD in Intelligence and Global Security, Fall 2024

Chair: Dr. William Gorham

Dissertation: Situational Crime Prevention Applied to Terrorism Against Sports and Entertainment Venues

Bennie Lee Davis

PhD in Occupational Health and Safety, Fall 2024

Chair: Dr. Philip Muna

Dissertation: State-legalized Marijuana: the Effects on Construction Safety

Nicholas Bryant Davis

PhD in Artificial Intelligence, Spring 2025

Chair: Dr. Michael Klipstein

Dissertation: Deep Learning Application on Repaired Tetralogy of Fallot in ECG Strip Images

Christopher Lawrence Carlos De Jesus

PhD in Quantum Computing, Summer 2024

Chair: Dr. Sara Zapico

Dissertation: Quantum Computing and Forensic Science: Postmortem Interval Estimation

Andrew Denslinger

PhD in Artificial Intelligence, Anticipated, Spring 2025

Chair: Dr. Benjamin Larson

Dissertation: Deceptive Authenticity: Consumer perceptions of AI-generated Deepfake Advertising and the Impact on Consumer Behavior

Christopher Duncan

PhD in Engineering Management, Anticipated, Spring 2025

Chair: Dr. Young Kim

Dissertation: Advancements In VLF Signal Processing for Enhanced Remote Sensing Capabilities

Tony El Haiby, Jr.

PhD in Counterterrorism, Summer 2024

Chair: Dr. Joshua Sinai

Dissertation: Enhancing National Security and Counterterrorism: A Multidimensional Approach to Advance Early Warning Systems for Anticipating Terrorist Threats

Amanda Katherine Fetch

PhD in Technology with MS in Research Methods, Anticipated, Spring 2025

Chair: Dr. Tracy Irish

Dissertation: Advancing Space Situational Awareness Through Density Based Clustering Utilizing Machine Learning Technology

Jodi Fleming

PhD in Space Cybersecurity, Anticipated, Spring 2025

Chair: Dr. Christopher Lines

Dissertation: Securing Space Systems As Critical Infrastructure: A Transformative Approach to Cybersecurity and Risk Mitigation

Paul Ford

PhD in Occupational Health and Safety, Summer 2024

Chair: Dr. Tyler Asher

Dissertation: The Efficacy and Benefits of Exploding Fire Extinguishing Balls in Commercial Vehicles

Dwight Foster

PhD in Technology, Fall 2024

Chair: Dr. Ashley Babcock

Dissertation: AI Implications and Applications in the Audiovisual Industry

Bradley Fowler

PhD in Cybersecurity Leadership, Fall 2024

Chair: Dr. Kawin Boonyapredeedee

Dissertation: Cybersecurity Leadership for Institutions of Higher Education: How Qualitative Grounded Theory Lite Research Helps Define Resolutions

Thomas C. Gibbs

*PhD in Construction Science,
Spring 2025*

Chair: Dr. Darrell Burrell

Dissertation: Protection, an
Indispensable Need for an Essential
Worker: Minority COVID-19 Infection
Rates and Their Effect on the
Construction Workforce

Maria Teresa Gonzalez

*PhD in Business Analytics and Data
Science, Summer 2024*

Chair: Dr. Mark Fearer

Dissertation: Property Knowledge
Graphs and Dimensional Models:
Deriving Knowledge from
Rich Metadata

Christopher William Green

PhD in Systems Engineering, Fall 2024

Chair: Dr. Michael Johnson

Dissertation: A Model-based
Systems Engineering Approach
for Developing Multisource Energy
Harvesting Systems

Derex Olando Griffin

*PhD in Engineering Management,
Fall 2024*

Chair: Dr. Shaughnn Muller

Dissertation: An Action Research
Framework Supporting AI
Portfolio Inclusion

Jon Michael Hackett

*PhD in Unmanned Systems
Applications, Anticipated, Spring 2025*

Chair: Dr. Sophia Noir

Dissertation: Architecture for a Global
Joint Multi-Domain Small Tactical
Robotic Ecosystem

Romona M. Harris

*PhD in Technology, Anticipated,
Spring 2025*

Chair: Dr. George Davis

Dissertation: A Sociotechnical Systems
Response to Mandated Advanced
Driver Assistance Systems

James Leon Hornage, Jr.

*PhD in Quantum Computing,
Anticipated, Spring 2025*

Chair: Dr. Atif Mohammad

Dissertation: Toward the Creation
of a Federal Quantum Computing
Adoption Framework

Azfar Mohammad Hossain

PhD in Artificial Intelligence, Spring 2025

Chair: Dr. Djilali Hamza

Dissertation: ML vs. QML Models:
Anomaly Detection on Scalable
Network Traffic

Travis Duane Howard

*PhD in Cybersecurity Leadership,
Fall 2023*

Chair: Dr. Christopher Mitchell

Dissertation: Understanding
Influence Factors in Cyber Resiliency
Adoption: a Mixed Methods Study of
Cybersecurity Leaders

Nicole Hoy

*PhD in Cybersecurity Leadership,
Summer 2024*

Chair: Dr. Douglas Capellman

Dissertation: Risk Management
of Mobile Devices Across Multiple
Organizational Domains

Ruth A. Huse

PhD in Technology, Summer 2024

Chair: Dr. Michael Johnson

Dissertation: Use of Technologies As Countermeasures in Combating Isolation in Long-duration Human Space Operations

Roger Ison-Haug

PhD in Cybersecurity Leadership, Summer 2024

Chair: Dr. Dennis Beatty

Dissertation: Cybersecurity Knowledge, Leadership, and Organizational Culture: Exploring the Relationship of and Identifying Strategies for Improvement

Angel Justo Jones

PhD in Artificial Intelligence, Summer 2024

Chair: Dr. Marwan Omar

Dissertation: Evaluating Cyber Defense Mechanisms Using AI Anomaly Detection Methods

Joseph Anthony Jones, Sr.

PhD in Critical Infrastructure, Summer 2024

Chair: Dr. Ronald Martin

Dissertation: Cybersecurity Methods to Increase Visibility, Threat Detection, and Cyber Defense in Critical Infrastructure

Laura Ann Jones

PhD in Cyber Leadership, Fall 2024

Chair: Dr. George Davis

Dissertation: Cybersecurity Leadership: Traversing the Interminable Prospective for Cyber Risk Transmogrification

Rebet Keith Jones

PhD in Artificial Intelligence, Fall 2024

Chair: Dr. Marwan Omar

Dissertation: Advanced Machine Learning Approaches for Enhanced Malware Detection in IoT and Android Environments

Kelebogile Kelly Kenalemang

PhD in Business Analytics and Data Science, Summer 2024

Chair: Dr. Eric Kareem

Dissertation: Impacting Factors to Implementing Big Data Technologies for Data-driven Business Decisions by Small, Medium, and Micro Enterprises in Botswana

Nelisa Njeri Kiboti

PhD in Artificial Intelligence, Spring 2025

Chair: Dr. Dennis Beatty

Dissertation: Predicting the Effects of the Pandemic on Banks Using Artificial Intelligence

Michael Klein

PhD in Cybersecurity Leadership, Spring 2025

Chair: Dr. Leila Halawi

Dissertation: Not Off-limits: an Empirical Study of COVID-19 Cybersecurity Impact on the Healthcare Sector and Its Research

David Kpagniel

PhD in Occupational Health and Safety, Spring 2025

Chair: Dr. Vera Dolan

Dissertation: Exploring the Relationship Between Mental Health, Psychological Safety, and Workplace Injuries: a Quantitative Correlational Study

Pamela K. Lauber

PhD in Occupational Health and Safety, Fall 2024

Chair: Dr. Tracy Irish

Dissertation: The View Behind the Website?

Calvin Lawrence

PhD in Artificial Intelligence, Spring 2025

Chair: Dr. Christopher Gorham

Dissertation: A Critical Examination of AI Bias and Its Contribution to Systemic Racism in Law Enforcement

Joseph Lewis

PhD in Cybersecurity Leadership, Summer 2024

Chair: Dr. Denae Brooks

Dissertation: A Qualitative Exploratory Study Into the Role of Self-efficacy and Self-leadership on Career Success of Federal Chief Information Security Officers

Lenry Thomas Lewis

PhD in Business Analytics and Data Science, Summer 2024

Chair: Dr. Eric Kareem

Dissertation: A Statistics-based Framework for Evaluating and Drafting NBA Prospects: a Quantitative Study

Kyle Liao

PhD in Business Analytics and Decision Sciences, Fall 2023

Chair: Dr. Leila Halawi

Dissertation: Towards a Framework for Measuring Personalization in the Luxury Hotel Industry

Xuan Liu

PhD in Cyber Leadership, Anticipated, Spring 2025

Chair: Dr. Richard Lightcap

Dissertation: Navigating the Career Transition of Veterans to Cybersecurity: A Phenomenological Study

Attila Magyar

PhD in Computer Science, Spring 2025

Chair: Dr. Marwan Omar

Dissertation: Unified Defense: Leveraging Large Language Models for Multi-Domain Malware and Vulnerability Detection

Althea Abiola Marrow

PhD in Quantum Computing, Anticipated, Spring 2025

Chair: Dr. Eric Motycka

Dissertation: Quantum Computing: Evaluating the Threat Landscape and Risk Management Strategies

Samuel Mbonu

PhD in Cyber Leadership, Spring 2025

Chair: Dr. Richard Lightcap

Dissertation: Examining Email Phishing Detection and Decision-Making Modes Among Financial Leaders in the United States

Maurice McBride

PhD in Healthcare Cybersecurity, Fall 2024

Chair: Dr. William Triplett

Dissertation: The Growing Concern for Cyberthreat Awareness in the Healthcare Supply Chain

Quatavia McLester

*PhD in Healthcare Technology,
Spring 2025*

Chair: Dr. Darrell Burrell

Dissertation: Revolutionizing Healthcare
Delivery: an In-depth Analysis of
Technological Innovations and Their
Implications for Patient Care and
Systemic Transformation

Jonee Meiser

PhD in Human Factors, Summer 2024

Chair: Dr. Sophia Noir

Dissertation: Exploring Accessibility
Management in Digital
Education Publishing

Sarah Miller

*PhD in Emergency and Protective
Services, Fall 2024*

Chair: Dr. Nicolas LaLone

Dissertation: Emerging Technology
in Emergency Management: Using
Generative Artificial Intelligence (AI) to
Improve Emergency Messaging

**Emmanuel Chukuwike
Mokwunye**

PhD in Manufacturing, Summer 2024

Chair: Dr. Ian McAndrew

Dissertation: Implementation of
Lean Manufacturing in the Food
Manufacturing Sector of the Niger Delta
Region of Nigeria

Robin Morse

*PhD in Cybersecurity Leadership,
Summer 2024*

Chair: Dr. Steven Jeffries

Dissertation: A Qualitative Study of
Cybersecurity Risk Management
Framework: Lack of Knowledge
Management and Systemic Risk

Abubakari Mukailah

*PhD in Cybersecurity Leadership,
Anticipated, Spring 2025*

Chair: Dr. Steven Jeffries

Dissertation: A Quantitative Study of the
Effectiveness of the Internet of Things
(IoT) Cybersecurity Strategy

William James Muldoon

PhD in Technology, Summer 2024

Chair: Dr. Ian McAndrew

Dissertation: Technology, Artificial
Intelligence, and Their Applications
to Student Success in Online
STEM Education

Walter A. Nesbeth, III

*PhD in Systems Engineering,
Spring 2025*

Chair: Dr. Ndidi Akuta

Dissertation: Exploring the
Socioeconomic Impact of Government-
Mandated Electric Vehicle Adoption:
A Case Study

Stanley Chukwuma Njoku

*PhD in Business Analytics and Data
Science, Fall 2024*

Chair: Dr. Donovan Wright

Dissertation: Using Machine Learning
to Improve Clinical Trials for New Drug
Development

Harrison Nnaemeka Nnaji

*PhD in Offensive Cyber Engineering,
Summer 2024*

Chair: Dr. Sherry Lakes

Dissertation: Mitigating Cyber Risks in
Cloud Computing in the Provision of
Financial Services

Kyle Nugent

PhD in Artificial Intelligence, Spring 2025

Chair: Dr. Tracy Irish

Dissertation: Future Uses of
Artificial Intelligence in the Military
Industrial Complex

Uzoma Chidiebere Nwachukwu

PhD in Cyber Leadership, Fall 2024

Chair: Dr. Donovan Wright

Dissertation: Barriers, Challenges,
and Impacting Factors to the
Implementation of Zero-trust
Architecture (ZTA)

Eric Obeng

*PhD in Occupational Health and Safety,
Anticipated, Spring 2025*

Chair: Dr. Matthew Wyandt

Dissertation: Effective Implementation
of Occupational Health and Safety
Management Systems (OHSMS)

Case Study: Public Works Department
(PWD)—City of Ottawa, Canada

Chukwuka Obi

*PhD in Business Analytics and Data
Science, Summer 2024*

Chair: Dr. Donovan Wright

Dissertation: Demand Forecasting in
Retail Business Using the Ensemble
Machine Learning Framework—a
Stacking Approach

Weldon C. Oblenis

*PhD in Construction Science,
Anticipated, Spring 2025*

Chair: Dr. Marianne Meins

Dissertation: Navigating Efficiency:
A Comparative Analysis of
Automated and Manual Methods in
Marine Construction

Marwan Omar

*PhD in Artificial Intelligence,
Summer 2024*

Chair: Dr. Darrell Burrell

Dissertation: Enhancing Cybersecurity
With AI: Integrating Language Models
and Neural Networks for Software and
Malware Defense

Monica Love Oteng-Boateng

*PhD in Critical Infrastructure,
Spring 2025*

Chair: Dr. Raymond Martin

Dissertation: Cybersecurity
Control Gaps for Ghana's Critical
Infrastructure Protection

Jaquan Outlaw

*PhD in Artificial Intelligence, Anticipated,
Spring 2025*

Chair: Dr. Eric Motycka

Dissertation: Responsible and
Trustworthy Artificial Intelligence

Delwin Ryan Penlerick

PhD in Construction Science, Fall 2024

Chair: Dr. Craig Capano

Dissertation: A Mixed Methods
Research Study of Construction
Management Instructors' Degree and
Industry Experience on Construction
Education Outcomes

Jonathan C. Peterson

PhD in Technology with MS in Research Methods, Summer 2024

Chair: Dr. Kavin Boonyapreddee

Dissertation: The Impact of COVID-19 on the Mental Health of Generation Z in the United States

Dillon Plummer

PhD in Technology with MS in Research Methods, Summer 2024

Chair: Dr. Jamie Teeple

Dissertation: AI for Risk Management in Regulated Manufacturing Industries

Christopher Porter

PhD in Intelligence and Global Security, Fall 2024

Chair: Dr. Eric Hollis

Dissertation: A Qualitative Examination of Stakeholder Perspectives on Cyber Threat Intelligence Sharing to Inform Strategic Decision-making in the Private Sector

Michael A. Ratajczyk

PhD in Artificial Intelligence, Spring 2025

Chair: Dr. Nikki Robinson

Dissertation: Exploration of Factors Influencing AI Adoption in the Industrial Distribution Industry

Marshall S. Rich

PhD in Forensic Cyberpsychology, Spring 2024

Chair: Dr. Derex Griffin

Dissertation: Bridging the Gap: Case Studies for Forensic Cyberpsychology in Cyber Threat Analysis and Protection

Patricio Vicente Rivera

PhD in Occupational Health and Safety, Fall 2024

Chair: Dr. Tyler Asher

Dissertation: Measuring the Value of Health, Safety, and Environment Management Systems Implementation in Oil and Gas Companies: Making a Philosophical Approach to a Tangible Parameter

Ryan Rockabrand

PhD in Artificial Intelligence, Spring 2025

Chair: Dr. Mark Fearer

Dissertation: How Artificial Intelligence Will Power Emergency Preparedness and Response for Small Modular Reactors

William Patrick Grant Royster

PhD in Critical Infrastructure, Anticipated, Spring 2025

Chair: Dr. Shaughnn Raschid Muller

Dissertation Title: Navigating Crises: The Influence of Leadership, Networking, and Change Readiness on Government Facility Resilience

Timothy W. Rutherford

PhD in Product Management, Spring 2025

Chair: Dr. Duane Buchanan

Dissertation: Effect of Customer Centricity on Business Agility via Product Management

Missiratou Sanni-Taffa

PhD in Cyber Leadership, Spring 2025

Chair: Dr. Ronald Martin

Dissertation: Assessing Cyber Threats Against ECOWAS Nations and Remediations Based on the Cybersecurity Framework Study

Carolyn Ash Schoenian

PhD in Human Factors, Fall 2024

Chair: Dr. Willis Kettrell

Dissertation: Improving the Quality of Life for Stroke Victims With Digital Accessibility

Biswaranjan Senapati

PhD in Quantum Computing, Anticipated, Spring 2025

Chair: Dr. Bharat S. Rawal

Dissertation: Digitalization of Manufacturing Industry Applications as per Industry 5.0

Robb Shawe

PhD in Cyber Leadership, Fall 2024

Chair: Dr. George Davis

Dissertation: Exegesis: Exploring the Global Impact of Domestic Cyberterrorism on Cybersecurity

Alexander Sheppert

PhD in Artificial Intelligence, Spring 2025

Chair: Dr. Jeremy Pretty

Dissertation: Overcoming Overfitting: A New Approach to ML Generalization

Anderson Kehbuma Sibedwo

PhD in Artificial Intelligence, Anticipated, Spring 2025

Chair: Dr. Steven Harrison

Dissertation Title: Human Cognitive Intelligence in Computing Artificial Intelligence: A Focus on Developing Trustworthy Alliances with Artificial Intelligence in the Cyber-Digital Age

Ryan Silvia

PhD in Emergency and Protective Services, Spring 2025

Chair: Dr. McKell Sanderson

Dissertation: The Cost/Benefit of Residential Fire Sprinklers

Jason Slaughter

PhD in Intelligence and Global Security, Summer 2024

Chair: Dr. Kellep Charles

Dissertation: A Survey of Unintentional Insider Threat Category

Robert Solano

PhD in Technology, Spring 2025

Chair: Dr. Leila Halawi

Dissertation: Bridging the AI Talent Gap: Artificial Intelligence Proficiency of Department of Defense Acquisition Professionals

Eugenio Solis de Ovando

PhD in Artificial Intelligence, Spring 2025

Chair: Dr. Cindy Casey

Dissertation: Challenges and Obstacles Integrating Artificial Intelligence Into Instructional Design and Adult Education

Uliya E. Sparks

PhD in Cyber Leadership, Fall 2024

Chair: Dr. Troy Troublefield

Dissertation: Best Practices for Integrating Legacy Systems and New Technologies in Information Sharing for State and Local Law Enforcement: a Qualitative Inquiry

Eric St. Pierre

PhD in Occupational Health and Safety, Fall 2024

Chair: Dr. Reginald Freeman

Dissertation: Evaluation of Competency-based Training As a Risk Mitigating Method for High-hazard Work Operations

Dereje Befekadu Tessema

PhD in Sustainability, Anticipated, Spring 2025

Chair: Dr. Darrell Burrell

Dissertation: The Impact of Organizational Transformation and Agility on Corporate Sustainability: A Comprehensive Analysis

Matthew Torpey

PhD in Technology, Spring 2025

Chair: Dr. Michael Johnson

Dissertation: The Wideband Challenge for RF Filters and SWAP-C

Dung Quy Tran

PhD in Artificial Intelligence, Spring 2025

Chair: Dr. Karriem Perry

Dissertation: Evaluating the Venous-Thromboembolism Electronic Clinical Quality Measure with Contraindication Information from Medical Notes: A Natural Language Processing and Deep Learning Approach

William Jerome Triplett

PhD in Healthcare Technology, Summer 2024

Chair: Dr. Shaughnn Muller

Dissertation: Exploring Healthcare Technology Challenges in Hospitals

Troy Coienth Troublefield

PhD in Cyberpsychology, Spring 2024

Chair: Dr. Greg Voykhansky

Dissertation: Navigating the Information-Rich Environment: Discovering Strategies for Senior Leaders Overseeing Military Information Support Operations (MISO)

Richard Eugene Tuggle

PhD in Engineering Management, Spring 2025

Chair: Dr. Michael Johnson

Dissertation: Transitioning and Progressing Military Material Development

Nikolaos Tzenios

PhD in Counterterrorism, Spring 2025

Chair: Dr. Benjamin Larson

Dissertation: Community Engagement in the Prevention of Radicalization and Terrorism

Rahamath Mohamed Razikh Ulla

PhD in Artificial Intelligence, Fall 2024

Chair: Dr. Donovan Wright

Dissertation: Artificial Intelligence (AI) and Plastic Waste Management: Potential Role of AI in Building Sustainable Practices in San Francisco Bay Area

Scott Van Hoy

PhD in Human Factors, Fall 2024

Chair: Dr. Michael Johnson

Dissertation: Using Space Mission Simulation to Identify, Assess, and Control Human Systems Integration Hazards

Andrew S. Vance

*PhD in Quantum Computing,
Spring 2025*

Chair: Dr. Vera Dolan

Dissertation: Cybersecurity and Quantum Computing: A Quantitative Analysis Proposing a Framework for Assessing Quantum Cybersecurity Maturity

Christie Lynn Vazquez

*PhD in Cybersecurity Leadership,
Summer 2024*

Chair: Dr. Jeremy Pretty

Dissertation: Initiatives Cyber Security Leaders Implemented to Close the Gender Gap in Information Security Analyst Positions in the United States: a Qualitative Phenomenological Study

Joseph T. Walker

*PhD in Cybersecurity Leadership,
Fall 2024*

Chair: Dr. Mark Fearer

Dissertation: Mixed Method Content Analysis of the Cybersecurity Corpus of the U.S. National Security System

Ryder Dale Walton

PhD in Quantum Computing, Fall 2024

Chair: Dr. Timothy Bohinski

Dissertation: Japanese Grammar in Quantum Natural Language Processing (QNLP): Quantum Theology, Theory and Patterns, and Honorifics in Software

Patrick Steven Ware

*PhD in Cyber Leadership, Anticipated,
Spring 2025*

Chair: Dr. Henry Williams

Dissertation: Commanding the Future: The Nexus of AI, Cyber Leadership, and Military Operations

Kerstin Wenzl

PhD in Business Analytics and Data Science, Summer 2024

Chair: Dr. Donovan Wright

Dissertation: Influence of Cultural Background on Trust in Artificial Intelligence

Christopher James Willman

*PhD in Critical Infrastructure,
Spring 2025*

Chair: Dr. Ronald Martin

Dissertation: Zero Trust Architecture Implementation and Assessment for the United States Federal Government

Kyle Wolf, Sr.

PhD in Critical Infrastructure, Fall 2024

Chair: Dr. Ellis Colvin

Dissertation: Kentucky's Fuel Security and Resilience

Nguessan Thostao Yobouet

*PhD in Project Management,
Anticipated, Spring 2025*

Chair: Dr. Daniel Adokiene

Dissertation: Exploring Transformational Leadership's Role in Shaping Project Teams' Motivation and Success: A Systematic Review

DOCTORAL DEGREE PROGRAMS

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Astronautical Engineering (PhD)

Business Analytics & Data Science
(PhD)

Computer Science (PhD)

Construction Science (PhD)

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