



# Consolidated CAE-C Professional Development Resources

Ethics and Professionalism for Students



# Goals

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Provide students with insight into

- I. Professional behavior
- II. Ethics
- III. Soft skills development
- IV. Cyber career paths

Provide NCAE-C programs with material

# Materials available for NCAE-C Programs

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- I. Cybersecurity Ethics Book and Curriculum
- II. Professionalism and Soft Skills Development
- III. Cybersecurity Career Videos
- IV. Directory of Materials and Creation of Additional Materials
- V. Dissemination of Curricula and Other Materials

# Cybersecurity Ethics Book and Curriculum

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- I. Create a Cybersecurity Oath
- II. Ethics as a Requirement
- III. Exploration of Classical and Modern Ethical Frameworks
- IV. Exploration and Application of Just War Theory into Cybersecurity
- V. Case Studies

# Cybersecurity Ethics Book and Curriculum

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## Advisory Group:

- John Gallagher, Chief Operating Officer, Institute for Global Engagement
- Col. George Youstra, Command Chaplain, United States Special Operations Command
- Ed Skoudis, Co-founder, Counter Hack and SANS Faculty Fellow
- L. Crosland Stuart, Literary Agent and Project Development Specialist, Legacy, LLC
- Sandy Shugart, President, Valencia Community College (CAE-C)

# Cybersecurity Ethics Book and Curriculum

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## Curriculum Development:

- Professor Jim Tippey, M.S., M.Div., CISSP, C|EH, Assistant Professor of Cybersecurity, Montreat College
- Mark Wells, Ph.D., Professor of Ethics/Philosophy, Faculty Ethicist, Montreat College

# Professionalism and Soft Skills Curriculum Development and Pilot Program

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## I. Curriculum Development

1. Identity Development
2. Impacting Experience
3. Influential Relationship
4. Readiness

## II. Step-by-step Tools Guide for students and NCAE-C programs

1. ePortfolios
2. Academic & Purposeful Activity Plan
3. Video Assessment Platform
4. Mentoring Framework

# Professionalism and Soft Skills Curriculum Development and Pilot Program

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## III. Co-chairs:

- Marie Wisner, Ph.D., Associate Dean for Calling and Career, Montreat College Thrive Center
- Greg Sayadian, MS, Assistant Professor of Cybersecurity, Montreat College



# Cybersecurity Career Videos

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- I. Entry-level, cybersecurity roles prevalent and emerging in the market
- II. Real professionals in the field
- III. Professional-quality videos
- IV. Aligned with the NICE Cybersecurity Workforce Framework<sup>1</sup>  
Categories & Cyber Career Pathways Tool<sup>2</sup>

Adam Bricker, Executive Director/Co-founder, Carolina Cyber Center at Montreat College

# Directory of Materials and Creation of Additional Materials – Ethics & Professionalism

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- I. Directory of materials with submissions from the NCAE-C programs
  - a. Critical Thinking/Problem-Solving
  - b. Teamwork/Collaboration
  - c. Professionalism/Work Ethic
  - d. Oral/Written Communication
  - e. Leadership (Initiative?)
  - f. Global/Multicultural Fluency (Intercultural Fluency?)
  - g. Ethical Judgement/Decision Making
  - h. Career Paths/Management
  - i. Empathy – NEW (Minnesota State Initiative)
  - j. Resilience – NEW (Minnesota State Initiative)

# Directory of Materials and Creation of Additional Materials – Ethics & Professionalism



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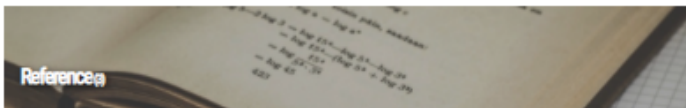
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## Categories



# Directory of Materials and Creation of Additional Materials – Ethics & Professionalism

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## Team Members:

- Kelli Burgin, MS CIS, CISSP, Assistant Professor of Cybersecurity, Montreat College
- Chris Herring, Department Chair, Systems Security & Analysis, Fayetteville Technical Community College
- Denise Kinsey, Ph.D., CISSP, C|CISO, Assistant Professor, Department of Information & Logistics Technology, University of Houston, College of Technology
- Anne Kohnke, Ph.D., Associate Professor of Cybersecurity, The University of Detroit Mercy
- Vickie (Valerie) McLain, Cyber Security Instructor, Alexandria Technical & Community College
- Stephen Miller, Professor and Director Cybersecurity Center of Excellence, Eastern New Mexico University - Ruidoso

## Chair Directory of Materials and Creation of Additional Materials:

John Bannister, Ph.D., Instructional Designer, Johnson C. Smith University

# Conclusion

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➤ Dissemination of Materials will commence Spring/Summer 2021 for some projects components through existing channels (ELF, clark.center, CAE Community Webinars, etc.)

# Contact

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