Business Cybersecurity

Minor Contact

- Christopher Ramezan (christopher.ramezan@mail.wvu.edu)

Minor Code - U152

All courses must be completed with a C- or higher.

- MIST 355 Data Communications * 3
- MIST 356 Network Security ** 3
- or CS 465 Cybersecurity Principles and Practice

Select three of the following: ** 9

- BUDA 450 Business Data Mining and Visualization
- CYBR 525 Information Security Assurance Management
- HIIM 351 Data Privacy, Confidentiality, and Security
- MATH 373 Introduction to Cryptography
- MIST 320 Managing Information Technology
- MIST 357 Information Ethics ***
- MIST 491 Professional Field Experience ****
- MIST 495 Independent Study

Total Hours 15

* Students will be encouraged to take and pass the Network+ Certification.

** Students will be encouraged to take and pass the Security + Certification or the GiAC Network Forensic Analyst certification.

*** Students may wish to take the GiAC certification for Law of Data Security & Investigations following this course.

**** Experiential Learning is a hallmark of the College of Business and Economics, and it is the cornerstone of the Minor in Business Cybersecurity Management. MIST 491 experiential learning class must be performed in a highly subspecialized area of Cybersecurity, requiring prior approval and faculty sponsorship. Recommended professional field experiences should enable a rigorous and hands on Cybersecurity exposure. This may take the form of participation in the US Department of Homeland Security Cybersecurity Internship Program, working for the National Cyber Forensics Training Alliance (NCFTA), working in the Information Systems Security area of a major corporation or other internship engagement that imbues the skills required for a deep understanding of the Cybersecurity in business functional domain. In addition to faculty sponsorship, the internships will require a weekly log, coordination with the Chambers College of Business and Economics Internship Program officer, and a research paper written under the faculty sponsor guidance.

***** Students will be encouraged to take and pass the ISC2 SSCP certification, or the GiAC certifications (Security Leadership, Systems and Network Auditor or Information Security Professional certifications).