Overview – Defend the World's Data

Our online Master of Science in Cybersecurity will prepare you to protect businesses and individuals from malicious cyberattacks and data theft. Through a cutting-edge curriculum and highly interactive learning led by expert faculty, you will develop the specific technical and soft skills required of today's cybersecurity professionals.

- No GRE/GMAT required
- 100% online
- Develop proficiency in machine learning & AI, secure software design, networking, data mining, penetration testing, and more
- Learn to solve critical cybersecurity issues through threat analysis, disaster recovery plans, digital forensics, and cryptography
- Learn from accomplished faculty who bring extensive industry experience from around the globe
- Gain the confidence to present findings to organizational leaders and prepare to move into managerial and senior leadership roles
- Build global cybersecurity skills in real time through our partnerships with leading security research centers

Program Details

The St. Bonaventure Online Master of Science in Cyber
security is a 30-credit graduate level program leverages the active research, live projects and professional connections of the WNY Cybersecurity Research Center at St. Bonaventure University.

The result is a one-of-a-kind learning experience that prepares graduates to become certified, and to lead cybersecurity initiatives and innovation across the globe.

Admission Requirements

- A completed application
- Minimum 2.5 GPA
- Resumé
- A baccalaureate degree in computer science, cyber-security, or a similar/relevant field (may require a foundational course) from an accredited college or university
- Transcripts from all institutions attended
- No GRE/GMAT required

Degree Requirements

Required

- CYB 501. Foundations of Cybersecurity, Ethical Hacking, Penetration Testing
- CYB 502. Advanced Cybersecurity
- CYB 503. Enterprise Security
- CYB 506. Enterprise Networks
- CYB 508. Applied Data Mining With Applications in Cybersecurity
- CYB 509. Machine Learning With Applications in Cybersecurity
- CYB 510 Risk Management and System Harde se Net y&C.