MIDLOTHIAN ISD

CAREER & TECHNICAL EDUCATION
CYBERSECURITY

In the Cybersecurity Pathway, students will explore the challenges facing information security professionals related to ethics, system security, network security, and application security.

Students will conduct risk assessments and develop and implement security policies to mitigate those risks. Students will examine trends in cyber attacks, common vulnerabilities, and the emergence of cyber terrorism.

Pending course approval

CAREERS IN CYBERSECURITY

TECHNICAL CAREERS
(Apprenticeship, Associate's Degree, Advanced Certification, Experience, etc.)

Cloud Architect
Technical Support Specialist
Cybersecurity Consultant
Cyber Researcher
Cybersecurity Associate

PROFESSIONAL CAREERS
(Bachelor's, Master's, Ph.D., Specialized Training, Experience, etc.)
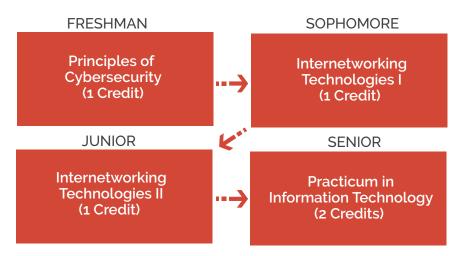
Computer Forensics
Digital Forensics
Digital Risk Officer
Photonics Engineer
Cybersecurity Architect

CYBERSECURITY
COURSE SEQUENCE

CLUSTER: Information Technology
CAMPUS: MHS & MHHS
ENDORSEMENT: Business & Industry

FRESHMAN

Principles of Cybersecurity (1 Credit)

SOPHOMORE

Internetworking Technologies I (1 Credit)

JUNIOR

Internetworking Technologies II (1 Credit)

SENIOR

Practicum in Information Technology (2 Credits)

ADDITIONAL COURSE OPTIONS

Digital Media (1 credit)

Graphic Design (1 credit)

BIM (1 credit)

Virtual Business (0.5 credit)

HR Management (0.5 credit)

Advertising (0.5 credit)

Social Media Marketing (0.5 credit)

Entrepreneurship (1 credit)

*Business English (1 credit)

*Political Science (1 credit)

*Financial Math (1 credit)

*Forensic Science (1 credit)

*Medical Microbiology (1 credit)

Professional Communications (0.5 credit)

*Course also fulfills graduation requirement for English, Math, Science, Social Studies or Fine Arts.