Cyber Security (M.S.)

Elevate your career prospects with a graduate education in the fast-growing, high-demand field of cybersecurity.

Energy networks, defense, transportation, health care and manufacturing are all run on vital systems that makeup our infrastructure. But there are vulnerabilities with these systems — some known and others yet unknown — that are ripe for harmful cyberattacks. This UND program offers a graduate-level education to give you the skill to lead the way in thwarting cyberattacks.

Program Snapshot

- **Program type:** Master's Degree
- **Format:** Online
- **Est. time to complete:** 2 years
- **Credit hours:** 30 (non-thesis and thesis options)

Why Study Cyber Security at UND?

Today’s world is highly dependent on technologically driven systems. Threats can come from anywhere in the world, so it’s vital that we have a workforce that has advanced skills to lead the next generation of protectors. Skilled cyberattack guardians are needed for the ongoing fight to keep systems and communities safe from infrastructure cyberattacks, and individuals protected from theft of financial and personal information.

With this UND graduate program, you’ll benefit from a program that offers you a chance to gain advanced expertise to be able to address the complexity of critical infrastructure and information security concerns. In addition, you’ll have plenty of opportunities to participate in cybersecurity research.

Application Deadlines

- **FALL:** Aug 1
- **SPRING:** Dec 1
- **SUMMER:** May 1

Program Highlights

- This graduate program offers a chance to elevate your existing cybersecurity knowledge foundation to a new level.
- Gain expertise in a variety of cybersecurity fronts, including network architectures, data operations and security, wireless sensor networks, penetration testing, and many other mission-critical areas.
- Gain access to significant UND computer resources and technologies, including the Secure Cyber Physical Energy Systems & Data Sciences Laboratory.
- Stay abreast of emerging and evolving technologies that may be vulnerable to cyberattacks, such as the plethora of Internet of Things devices.

Outcomes

Median salary for an information security analyst*

Estimated job growth through 2026, much faster than the average of all jobs*

*U.S. Bureau of Labor Statistics

According to Forbes magazine, the burgeoning cybersecurity market and employment is expected to grow from $75 billion in 2015 to $170 billion by 2020. This UND graduate program will help you elevate your cybersecurity skills for greater opportunity in this fast-paced field.

UND graduates can expect a range of opportunities in careers with many kinds of institutions and in many different industries. It is anticipated that students completing this program will be in demand by:

- Local, regional, national, and international cybersecurity-focused businesses
- Companies expanding into the Red River Valley, such as Northrup-Grumman and General Atomics
- Local start-up and emerging companies
- Government agencies