Cyber Security Degree

Start your new career path in the exciting world of cybersecurity, helping to tackle vulnerabilities and strengthen security.

Today's computer systems provide critical functionality and services to energy networks, transportation, health care, and manufacturing infrastructure. Security, reliability and resiliency vulnerabilities make these systems prone to cyber-attacks. UND's Cyber Security degree offers an opportunity to be a part of the solution to this growing threat.

<table>
<thead>
<tr>
<th>Program type:</th>
<th>Major</th>
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<tr>
<td>Format:</td>
<td>On Campus or Online</td>
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<tr>
<td>Est. time to complete:</td>
<td>4-5 years</td>
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<td>Credit hours:</td>
<td>120</td>
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Why earn a bachelor of cyber security?

Application Deadlines

- **Fall:** Aug. 15
- **Spring:** Dec. 15
- **Summer:** May 1

Cyber security is an immense priority in today's technology-dependent world. Threats make it essential to have skilled individuals that can protect mission-critical infrastructure, defense technologies and other vital systems from attacks.

With UND's on campus or online cyber security bachelor's degree program, you'll benefit from a degree that:

- Allows you to excel in a highly educated technical workforce with cyber-physical security skills
- Offers you opportunities to participate in cybersecurity research
- Provides the knowledge and technical skills for working in the cybersecurity sector, along with a strong liberal arts foundation for a well-rounded education
- Can be customized to focus on specific areas of cybersecurity that interest you the most

UND's Cyber Security Degree

- Participate in cyber security research in areas of strategic importance to North Dakota and the nation.
- Get specialized cybersecurity expertise and skills needed to excel in this high-demand field.
- Gain access to significant computer resources and technologies. Work in UND's Secure Cyber Physical Energy Systems & Data Sciences Laboratory.
- Let our team of academic advisors help you plan your major. You'll also have access to personalized Degree Map software to keep you on track to graduate in four years.
- Benefit from a program housed within the College of Engineering & Mines. We're one of the most well-respected engineering schools in the upper Midwest.
- Don’t overlook accreditation. This assures that a school meets an acceptable level of quality. UND programs are fully accredited by the Higher Learning Commission (HLC).

Careers with a Bachelor of Cyber Security
103K  Median salary for an information security analyst, 2020
- U.S. Bureau of Labor Statistics

33%  Job growth through 2030, significantly faster than the average of all jobs
- U.S. Bureau of Labor Statistics

The protection of data assets, and for the security of our infrastructure and country are vital, and cybersecurity skills are highly valued. The cyber security undergraduate program at UND will help you attain the skills sets needed to thrive in this strategically important function.

Job titles you can expect to apply for with a cyber security degree include:

- **Cryptanalyst**: Analyze encrypted information to break the code/cipher or to determine the purpose of malicious software.
- **Cryptographer/Cryptologist**: Use encryption to secure information or to build security software.
- **Cyber Security Analyst**: Monitor, prevent, and stop attacks on private data.
- **Information Security Engineer**: Implement and monitor computer and network security protocols to protect sensitive information from hacks or theft.
- **Security Administrator**: Install and manage organization-wide security systems.
- **Security Architect**: Design and maintain security systems to ensure defensive measures are in place.
- **Security Software Developer**: Develop security software, including tools for monitoring, traffic analysis, intrusion detection, virus/spyware/malware detection, and anti-virus software.

**Cyber Security Bachelor's Degree Graduates**

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

**Best Cyber Security Degree**

UND's online Cyber Security degree consistently ranks among the best for educational quality, affordability and career outcomes.

**Learning to Lead**

Leaders can come from anywhere, but they go here.

Discover over 250 programs at UND.

**Explore More Options**

Looking to connect with the college or find a similar degree?

- College of Engineering & Mines
- Find Similar Degrees

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