



Bachelor of Science in

CYBERSECURITY



Discover the World of CYBERSECURITY



Discover Your FUTURE U.

Centenary University School of Business, Media & Writing brings you an exciting B.S. in Cybersecurity that lead to rewarding careers in Information Technology. The B.S. in Cybersecurity prepares students for employment directly in a number of positions, or toward graduate programs, across a wide spectrum of industries:

- Ethical Hacker/Penetration Tester
- Security Manager
- Cyber Policy and Strategy Planner
- Cyber Workforce Developer
- Cyber Instructional Curriculum Developer
- Cyber Defense Incident Responder
- Computer Network Defense Analyst

It has become incredibly cheap to automate constant digital attacks against any individual, Fortune 500 corporation, or government system. As a result, we now live in a world where we can assume that everyone is constantly at risk of attack from advanced cyber threats.

This new paradigm has led to a boom in cybersecurity careers. Cybersecurity professionals earn a median salary of \$102,527,

Why study Cybersecurity at Centenary University?

- Cybersecurity courses are taught by faculty members that have experience working in the industry, and highly-confidential, expert guest lecturers are frequently used.
- Internships are encouraged for Cybersecurity majors meeting the requirements in their junior and/or senior years of study. Internships offer real-life learning and often lead to job opportunities upon graduation.
- Our program offers preparation for advanced certifications that give you options in your chosen field.





with entry-level positions starting at \$68k.* Furthermore, there is virtually zero-percent unemployment within the field of cybersecurity, and between 400-700K unfilled positions.

Our Cybersecurity major is designed with two goals in mind:

- To ensure that students stay one step ahead of evolving cyber threats.
- To provide students with fundamental IT skills.

Within this program, students will assess modern cybersecurity challenges that threaten our privacy, security, and safety, and gain both the knowledge and hands-on technical skills to protect digital assets from cyber criminals who leverage sophisticated social and cyber tactics to facilitate attacks.

As the cyber-attack surface continues to expand via the proliferation of Internet of Things (IoT) devices, it is increasingly vital that students learn how to “harden” networks, systems, and endpoint devices against cyber-attacks, topics which are covered in the course Modern Cybersecurity.

It is, however, impossible to create a perfectly secure system, so students will also learn how to perform cyber forensics to investigate, collect, and preserve digital evidence associated with a security breach.

Finally, students will learn how to think like a “hacker” and use industry standard tools to find weaknesses in systems.

Cybersecurity and IT

- **A Powerhouse Combination**
Entry-level cybersecurity roles, as well as roles at smaller organizations, frequently blend elements of cybersecurity and IT work. The cybersecurity function of an organization is inextricably linked with IT since both networks and team members present opportunities to bad actors. Students who complete the recommended IT focus area will not only be prepared for numerous cybersecurity certifications; they will also be prepared for the CompTIA A+ (<https://www.comptia.org/certifications/a>) exam.
- **Prepared for Certifications**
Students who complete this curriculum will not only be prepared for a career as a cybersecurity professional, they will also be well positioned to obtain a number of certifications which will increase their employability later in their career, including Certified Ethical Hacker, Certified Information Systems Security Professional (CISSP), and Certified Forensic Examiner. Please note these certifications may require additional work experience and exam preparation.

Want more reasons to choose Centenary? Consider:

- Centenary graduates have a 96% career or graduate school placement rate—19.6% above the national average.*
- Centenary has the second highest four-year graduation rate among private universities in New Jersey, surpassed only by Princeton University.
- Centenary offers generous financial aid packages: 100% of incoming freshmen receive an average of \$28,000, and 95% of transfer students receive an average of \$20,000.

*U.S. Bureau of Labor Statistics

Did you know?

- Internship opportunities will prepare you for your career or graduate degree.
- This is an industry that is exploding with needs to fill positions with a growth of 32% in 2022-23 and an average salary of \$112,000 per year, according to the US Bureau of Labor.
- About 16,800 openings for information security analysts are projected each year, on average, over the next decade.

The Next Level

As a Centenary Cybersecurity major, you can fulfill the requirements for graduate studies in business, leadership, and administration.

Internships

You will be ready for a career by participating in internships in any industry. Internships are matched to students' interests and often result in employment opportunities.

Minors

Data Analytics, or
Business Management



"Tracking and stopping the 'bad actors' on the Internet is now a mission that gives my career real purpose. During the normal course of business, I'm operating on a different plane, and my actions enable business to move forward for the entire company."

Anonymous



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