



Master of Science in Cybersecurity FAQ's



What is a Master of Science in Cybersecurity?

The Katz School of Science and Health Master of Science in Cybersecurity is a unique and rigorous graduate program designed to help you enter the exciting and lucrative field of cybersecurity. Through this 30-credit master's degree, you'll develop the technological and managerial expertise to plan, implement, manage, support, monitor and audit cybersecurity posture of Information Technology infrastructure in modern organizations.. You will master state-of-the-art technologies and practices, and you'll receive hands-on experience including threat mitigation, detection, and defense.

Which college have you partnered with to offer this degree?

We are proud to have partnered with Katz School of Science and Health, which features one of the premier cybersecurity programs in the country. As part of Yeshiva University, a *US News and World Report Top 100 University* and among *Forbes Magazine's* highest ranked research institutes, the Katz School is an academic powerhouse.

Will this degree lead to certification?

Recognized industry certifications are key to getting the best jobs. Katz School cybersecurity students are expected to be prepared to sit for core industry certifications:

1. CISSP - [Certified Information Systems Security Professional](#)
2. CSSK - [Certificate of Cloud Security Knowledge](#)

Certified Information Systems Security Professional (CISSP) is the leading cybersecurity and IT security certifications, granted by the International Information System Security Certification Consortium (ISC)². MS in Cybersecurity students are prepared to take the CISSP exam after their first semester Cybersecurity Foundations course. CISSP confirms that cybersecurity professionals have the necessary skills to perform security functions and to pursue an advanced career in IT security. (ISC)² supports those who hold the certification with a broad exclusive resources, educational tools, and peer-to-peer networking opportunities.

What does a cyber security professional do?

Cyber security analysts plan and carry out security measures to protect a company's computer networks and systems. They keep constant tabs on threats and monitor their organization's networks for any breaches in security. A typical cyber security analyst job description includes installing, configuring, managing and supporting various cybersecurity tools including but not limited to firewalls, data leakage protection, anti-virus, end-point protection, encryption tools, identifying vulnerabilities, reporting breaches or weak spots, researching IT trends, educating the rest of the company on security—and even simulating security attacks to find potential vulnerabilities.

Cyber security analysts will also plan for malicious activities, developing incident response playbooks, creating contingency plans that the company will implement in case of a compromise

company IT infrastructure and critical assets. Since cyber attackers are constantly using new tools and strategies, cyber security analysts need to stay informed about the emerging security threats to mount a strong defense. Additionally, information security professionals may assist in educating and informing members of an organization about security risks and best practices to protect company resources. Even the most technically sound and secure systems can be compromised by a malicious user.

What is the job market like for Cybersecurity professionals?

According to the US Bureau of Labor Statistic, employment of information security analysts is projected to grow 31 percent from 2019 to 2029, much faster than the average for all occupations. Demand for information security analysts is expected to be very high. Cyberattacks have grown in frequency, and analysts will be needed to come up with innovative solutions to prevent hackers from stealing critical information or creating problems for computer networks. Salary information is available at this [link](#).

How long will it take to complete the Master's in Cybersecurity?

This degree can be completed in just five semesters (Fall, Spring, Summer, Fall, Spring, = 20 months).

What are the admission requirements?

- Bachelor's degree from an accredited institution. BTL's are accepted.
- Minimum undergraduate 3.0 GPA
- Successful completion of an information technology and networking bridge course

What is the required Bridge Course?

Applicants who do not have prior coursework or experience must take accelerated comprehensive introduction to computers, [networking fundamentals, and security fundamentals](#) courses . In addition to providing the prerequisite knowledge for the MS in Cybersecurity, the Networking Fundamentals course prepares students for the **CompTIA Network+ Certification exam**, granted by the Computing Technology Industry Association (CompTIA).

The course meets live-online twice each week in the evenings for 12-weeks.

Are classes offered in-class or live-online?

The program is entirely **live-online**. In a live-online format, students log in to a live class at a set time and can see, hear, and communicate with their professor and fellow students.

When are courses offered?

There are ten courses in the program and students take two courses per semester.

Each course meets one evening each week for twelve weeks. Each class is 90-minutes long and additional work is posted on the students' Canvas portal.

What are the fieldwork opportunities and requirements?

As part of the coursework, students complete an industry-oriented final project, and are encouraged to gain hands-on experience by working in real companies through internships The Katz School career services department will assist students in locating suitable internship opportunities.

What makes the MS in Cybersecurity at the Katz School of Science and Health unique?

- Evening courses, so you can work full-time while completing your degree.
- Top-notch industry faculty who know every student by name
- Career support and professional networking opportunities.
- Opportunities to gain industry experience through internships and fieldwork.

How much does the degree cost?

- The cost for the 10-course master's degree is \$25,000.
- \$495 fee for the Bridge Course.
- Tech Fees are \$3,000.
- Total investment is \$28,495.

Can I receive financial aid?

At the graduate level, aid is available in the form of loans. The Free Application for Federal Student Aid (FAFSA) can be completed online at <https://www.fafsa.ed.gov>. The Katz School's FAFSA school code is 002903.

Katz School offers a **payment-plan** option.

Additionally, there are several scholarships open to Jewish graduate students that students are encouraged to apply for:

- **Rose Biller Scholarship Fund** – The [Rose Biller Scholarship Fund](#) is open to Jewish residents of NYC's five boroughs, Westchester, and Long Island with financial need. It provides scholarships to Jewish men and women with significant economic need attending undergraduate, graduate, and professional schools.
- **Helen B and Lewis E Goldstein Scholarship Fund** – This [fund](#) is open to Jewish full-time students enrolled in an accredited undergraduate or graduate school in the United States.
- **Samuel Lemberg Scholarship Loan Fund** - The [Samuel Lemberg Scholarship Loan Fund](#) provides interest-free [loans](#) to aid Jewish undergraduate and graduate college students who exhibit exceptional academic achievement and face financial difficulties pursuing a higher education. These loans must be repaid within ten years of graduation or termination of studies.

Will the environment and education be suitable for a Ben Torah?

The Katz School prides itself on offering superior education and student support in a culturally sensitive environment. They are very understanding of the unique requirements and religious sensitivities of students who attend through Sara Schenirer and have worked diligently to provide an environment suitable for a Ben Torah while meeting all academic standards.

What makes Sara Schenirer different?

For students and parents alike, the world of college and degrees can be confusing, costly, and difficult to navigate. We pride ourselves on our high-quality educational partners who offer an accredited degree, uncompromised environment, and first-rate faculty at affordable prices. We complement that by providing exceptional warmth and support to every single student at Sara Schenirer, and we work diligently to offer personal guidance to each student to ensure their success and timely graduation. Most of all, we operate under guidelines set for us by prominent rabbonim with whom we regularly consult to ensure conformance with Torah standards.

How do I apply?

To apply, please click on this [link](#) to begin our online application. Please use only a computer to apply, and not a tablet or smartphone.

Applicants will be asked to submit:

- Transcripts from all colleges attended
- Resume
- Personal statement detailing your career goals and interest in the program
- Personal photograph

Upon receipt of your application, students will be contacted to arrange an interview to continue the admissions process. Applicants who live outside the tri-state area will be interviewed utilizing our online teleconferencing technology.

What if I still have more questions?

If you have additional questions or concerns, please feel free to call our office 718-633-8557 ext. 32, or email information@sarasch.com, and as always, we will be happy to assist you further.

Course Listings

- CYB 5000 Cybersecurity Foundations
- CYB 5100 Architecture of Secure Operating Systems, Applications, and Devices
- CYB 5200 Network, Data and Communications Security
- CYB 5300 Risk Management and Cybersecurity
- CYB 5400 Cybersecurity Audit, Assessment, and Training (Cloud Security)
- TMG 5500 Leading Technology Organizations
- CYB 7992 E-Discovery, Digital Evidence & Computer Forensics
- CYB 6500 Cybersecurity Capstone
- CYB 5600 Emerging Cybersecurity Threats
- CYB 6300 Cybercrime, Cyberwar, and Threat Actors