

CYBERSECURITY

OCCUPATION OUTLOOK IN MICHIGAN, 2023

WHAT OPPORTUNITIES ARE AVAILABLE?

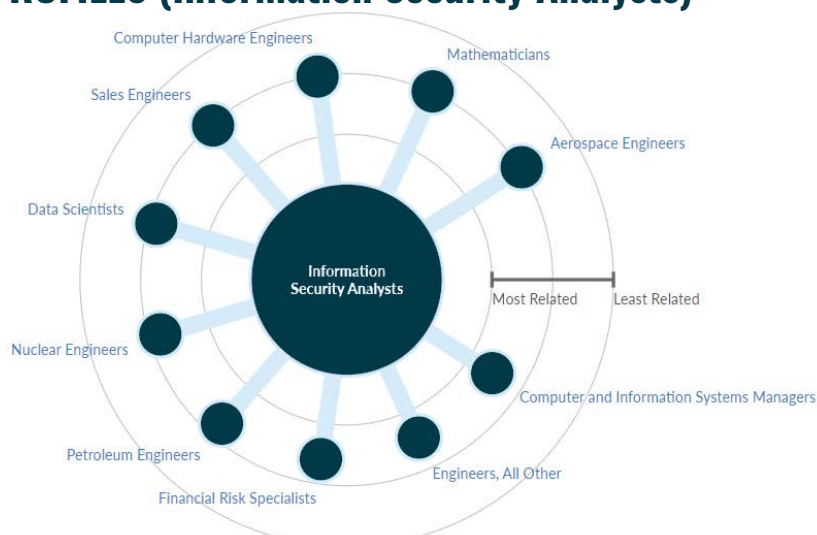
Cybersecurity specialists help build and maintain robust networks to keep data safe, private, and accurate. Information Security Analysts, Computer Programmers, and Database Administrators are the occupations included here, but a wide range of jobs can launch a cybersecurity career. Additionally, a growing number of positions both in and out of information technology roles require familiarity with cybersecurity skills.

**6,300
WORKERS
EMPLOYED**

HOW MUCH COULD I EARN?

	ENTRY	MEDIAN	EXPERIENCED
Information Security Analysts	\$22.51	\$47.11	\$63.65
Database Administrators	\$22.98	\$38.01	\$60.95
Computer Programmers	\$18.93	\$37.34	\$61.96

RELATED CAREER PROFILES (Information Security Analysts)



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WHAT EDUCATION & SKILLS WILL I NEED?

The three occupations analyzed here all typically require a bachelor's degree for entry. About half of online job postings specifically state a requirement for a college degree, and another 14.8 percent prefer a master's degree.

WHAT AREAS OF STUDY SHOULD I CONSIDER?

With the importance placed on certifications, work experience, and evolving practical skills, many fundamental degrees in computer science can help prepare you for a cybersecurity career. Computer and Information Sciences, Computer Programming, Computer Engineering, and Management Information Systems (MIS) have the greatest numbers of local completions. The total number of completions in these and related programs within the region are reflected in the chart below.

WHAT SKILLS SHOULD I DEVELOP?

- SQL
- Cyber Security
- Python
- Auditing
- Agile Methodology
- Communications
- Management
- Leadership
- Problem Solving
- Operations

WHAT QUALIFICATIONS SHOULD I PURSUE?

- Certified Information Systems Security Professional
- Certified Information System Auditor (CISA)
- Certified Information Security Manager
- GIAC Certifications
- CompTIA Security+

WHAT ELSE SHOULD I KNOW?

Among these occupations, Computer Programmers are most likely to be open to entry-level applicants. Information Security Analysts typically prefer workers with at least three years of experience. Certifications are important for workers at all levels, so continuous professional development is key to keeping up with new cybersecurity threats.

IS THIS FIELD EXPECTED TO GROW?

8% GROWTH
PROJECTED BY
2028

↑ 2021 Program
Completions

14,780



↑ 2022 Job
Openings



831



HOW DO I GET STARTED?

For more information on how to start your career in cybersecurity visit www.winintelligence.org.

