



INFORMATION SECURITY ANALYSTS

INFORMATION TECHNOLOGY (IT) INDUSTRY OCCUPATION OUTLOOK IN MICHIGAN, 2025

OCCUPATION SUMMARY

This occupation focuses on safeguarding computer networks and information systems by planning, implementing, and monitoring security measures. It involves assessing vulnerabilities, ensuring compliance with security standards, and responding to breaches or threats. Professionals in this role analyze data, gather and evaluate information, and use technology to protect digital assets and infrastructure. Learn more at onetonline.org

AVERAGE WAGE IN MICHIGAN

	Entry	Median	Experienced
Hourly	\$29.48	\$50.26	\$78.89
Annually	\$61,318	\$104,541	\$164,091

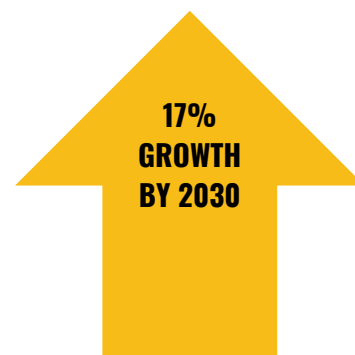
JOB TITLES

The Information Security Analysts occupation refers to the entire industry in which someone works. Some examples of specific job titles for this occupation include:

- *Cybersecurity Analysts*
- *Information Security Analysts*
- *Security Analysts*
- *IT Auditors*
- *Cyber Threat Hunters*

OCCUPATIONAL GROWTH

Projected to grow faster than average (17%); 298 annual job openings are predicted.



Debt-free training and additional support may be available to jobseekers and those currently employed in this career

Contact your local **Michigan Works! Agency** to learn more
michiganworks.org/michigan-works-network



EARN WHILE YOU LEARN: REGISTERED APPRENTICESHIP

Employers or sponsors may provide apprenticeship opportunities, enabling individuals to acquire hands-on experience, engage in related instruction while receiving compensation. Completing a registered apprenticeship program can lead to career advancement and an average annual income of \$80,000. [Learn more.](#)

GROW A CAREER WITH ADVANCED DEGREES AND CERTIFICATES

PROFESSIONAL CERTIFICATIONS

- Information Systems Security Professional Certification
- GIAC Certifications
- Information Security Manager Certification
- Information System Auditor (CISA) Certification
- CompTIA Security+
- Risk And Information Systems Control Certification
- Ethical Hacker Certification
- Internal Auditor Certification

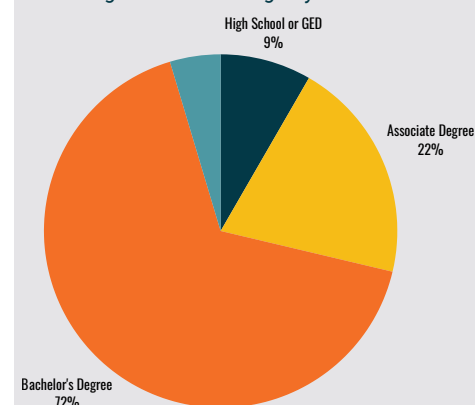
ADVANCED DEGREES AVAILABLE

(Associate, Bachelor's and Master's Degrees)

- Business Administration
- Cybersecurity
- Accounting
- Computer and Information Science

EDUCATION

Percentage of Job Postings by Education Level



A POTENTIAL PATH TO SUCCESS

Explore strategies for overcoming significant factors that can impact employment by clicking [here](#). The following illustration outlines a potential career trajectory based on labor market insights within this occupation.

ENTRY LEVEL COMPETENCIES (0-2 YEARS EXPERIENCE)

Current employees who obtain training may be offered a new position, additional responsibility, and/or additional benefits.

Skills/knowledge in:

- Cyber Security
- Auditing
- Incident Response

Qualifications:

- Certified Information Systems Security Professional

Skills/knowledge in:

- Computer Science
- Information Systems
- IT Security Architecture
- IT Security
- Cyber Threat Intelligence
- Scripting

Skills/knowledge in:

- Linux
- Security Tools
- Security Information and Event Management (SIEM)
- Microsoft Suite

Qualifications:

- GIAC Certifications

MID-LEVEL COMPETENCIES (3-6 YEARS EXPERIENCE)

Continue gaining skills to stay relevant in an ever-changing ecosystem.

Skills/knowledge in:

- Endpoint Detection and Response
- Security Controls
- Firewall
- Cyber Threat Hunting
- Operating Systems
- Risk Analysis
- Vulnerability Management

Skills/knowledge in:

- Risk Management
- Risk Mitigation
- Security Risk
- Control Objectives for Information and Related Technology (COBIT)
- Security Requirements Analysis

Qualifications:

- Certified Information Security Manager

PROFESSIONAL LEVEL COMPETENCIES (7+ YEARS EXPERIENCE)

Employers value staff that stay relevant and gain new skills.

Skills/knowledge in:

- Cyber Risk
- Digital Forensics
- Enterprise Risk Management (ERM)
- Unix
- Python (Programming Language)

Qualifications:

- NIST Cybersecurity Framework (CSF)
- CompTIA Security+

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