

DETECTIVES AND CRIMINAL INVESTIGATORS

INFORMATION TECHNOLOGY (IT) INDUSTRY
OCCUPATION OUTLOOK IN SOUTHEAST MICHIGAN, 2023

OCCUPATION SUMMARY

Conduct investigations into potential breaches of federal, state, or local laws and regulations with the aim of preventing or resolving criminal activities. Some of the primary responsibilities involve assessing the physical well-being of individuals, conducting interviews to collect valuable information, and scrutinizing crime scenes. This includes civilian and sworn law enforcement occupations.

Learn more at oneline.org.

JOB TITLES

The Detectives and Criminal Investigators occupation refers to the entire industry in which someone works. Some examples of specific job titles for this occupation include:

- *Intelligence Specialists*
- *Criminal Investigator Special Agents*
- *Surveillance Analysts*
- *Artificial Intelligence/Machine Learning Engineers*
- *Threat Intelligence Analysts*

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

AVERAGE WAGE IN MICHIGAN

	Entry	Median	Experienced
Hourly	\$29.42	\$39.35	\$70.93
Annually	\$61,194	\$81,848	\$147,534

OCCUPATIONAL GROWTH

Projected to grow faster than average (2%); 188 annual job openings are predicted.

**2%
GROWTH
BY 2028**



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

- Anti-Money Laundering and Fraud Professional Certification (CAFP)
- Electronic Evidence Collection Specialist Certification
- Forensic Computer Examiner Certification
- Information Security Manager Certification
- Ethical Hacker Certification
- Cisco Certified Network Associate Security
- Financial Planner Certification
- CompTIA Certifications: Cybersecurity Analyst (CySA+), Linux+, Network+, Security+
- EnCase Certified Examiner

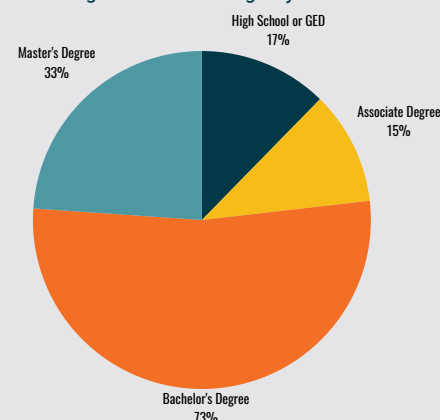
ADVANCED DEGREES AVAILABLE

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

- Business Administration
- Cybersecurity
- Project Management
- Computer Science
- Accounting

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:

- Law Enforcement
- Search Warrants
- Intelligence Analysis
- Data Analysis
- Microsoft Suite

Qualifications:

- Valid Driver's License

Skills/knowledge in:

- Interrogations
- Threat Assessment
- Audiometer
- Cyber Security
- Setting Appointments

Qualifications:

- Top Secret-Sensitive Compartmented Information

Skills/knowledge in:

- Computer Science
- Artificial Intelligence
- Python (Programming Language)
- Machine Learning

Qualifications:

- Certified Forensic Computer Examiner
- Security Clearance

MID-LEVEL COMPETENCIES (3-6 YEARS EXPERIENCE)

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

Skills/knowledge in:

- Automation
- Agile Methodology
- Project Management
- Incident Response
- SQL (Programming Language)
- Power BI
- Apache Spark & Apache Kafka
- Amazon Web Services

Skills/knowledge in:

- Data Science
- Competitive Intelligence
- Marketing
- New Product Development
- Cyber Threat Intelligence
- MITRE ATT&CK Framework
- Apache Hadoop

Skills/knowledge in:

- Project Management
- Statistics
- Business Analytics
- Product Management
- Agile Methodology
- Data Governance
- Finance
- Relational Database Management Systems
- SAS (Software)
- Tableau

Qualifications:

- GIAC Certifications

PROFESSIONAL LEVEL COMPETENCIES (7+ YEARS EXPERIENCE)

Employers value staff that stay relevant and gain new skills.

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