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.

HOW MUCH COULD I EARN?

<table>
<thead>
<tr>
<th>OCCUPATION</th>
<th>ENTRY</th>
<th>MEDIAN</th>
<th>EXPERIENCED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information Security Analysts</td>
<td>$28.87</td>
<td>$44.00</td>
<td>$65.65</td>
</tr>
<tr>
<td>Computer Programmers</td>
<td>$19.91</td>
<td>$36.40</td>
<td>$52.69</td>
</tr>
<tr>
<td>Database Administrators</td>
<td>$24.30</td>
<td>$42.38</td>
<td>$61.20</td>
</tr>
</tbody>
</table>

WHERE WOULD I WORK?

TOP INDUSTRIES
- Computer Systems Design Services
- Custom Computer Programming Services
- Employment Placement Agencies
- Offices of Certified Public Accountants
- Software Publishers
- Commercial Banking
- Engineering Services
- Automobile Manufacturing
- Colleges, Universities, and Professional Schools
- Research and Development in the Physical, Engineering, and Life Sciences

2019 TOP POSTING EMPLOYERS
- Revature
- Deloitte LLP
- Oracle Corporation
- Teksystems, Inc.
- University of Michigan
- Citizens Financial Group, Inc.
- Softpath System, LLC
- V2soft Inc.
- Quicken Loans Inc.
- Ford Motor Company

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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 13 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
- Java
- Database Administration
- .NET Framework
- Management
- Information Technology
- Communications
- Operations
- Innovation

WHAT QUALIFICATIONS SHOULD I PURSUE?
- Certified Information Security Manager
- GIAC Certifications
- Certified Ethical Hacker
- Certified Information System Auditor (CISA)
- Certified Information Systems Security Professional

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?
3% GROWTH PROJECTED BY 2023

HOW DO I GET STARTED?
For more information on how to start your career in cybersecurity visit www.micareertraining.org.