**CYBERSECURITY**

**CALIFORNIA**

**EMPLOYMENT TRENDS IN CYBERSECURITY**

**101,976**

estimated number of workers employed in cybersecurity-related jobs Oct. 2019–Sept. 2020*

**66,741**

Online job postings for related positions (Oct. 2019–Sept. 2020)*

**PROJECTED EMPLOYMENT GROWTH (2018–2028)**

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Growth Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information Security Analysts</td>
<td>33%</td>
</tr>
<tr>
<td>Computer and Information Systems Managers</td>
<td></td>
</tr>
<tr>
<td>Computer Network Support Specialists</td>
<td></td>
</tr>
<tr>
<td>Computer Network Architects</td>
<td></td>
</tr>
<tr>
<td>Computer Systems Analysts</td>
<td></td>
</tr>
<tr>
<td>Network and Computer Systems Administrators</td>
<td></td>
</tr>
</tbody>
</table>

**INFORMATION SECURITY ANALYST**

**10,426**

Employees in 2020†

**$53.91**

Average Hourly Earnings**

|$29.66 | $82.01 |

**TOP 5 INDUSTRIES RECRUITING INFORMATION SECURITY ANALYST***

<table>
<thead>
<tr>
<th>Industry</th>
<th>Number of Job Postings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Software</td>
<td>1,012</td>
</tr>
<tr>
<td>Information Technology</td>
<td>259</td>
</tr>
<tr>
<td>Consulting Services</td>
<td>194</td>
</tr>
<tr>
<td>Financial Services</td>
<td>124</td>
</tr>
<tr>
<td>Defense</td>
<td>122</td>
</tr>
</tbody>
</table>

**TOP EMPLOYERS RECRUITING INFORMATION SECURITY ANALYST**

<table>
<thead>
<tr>
<th>Employer</th>
<th>Number of Job Postings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oracle</td>
<td>1,012</td>
</tr>
<tr>
<td>KPMG</td>
<td>259</td>
</tr>
<tr>
<td>Splunk</td>
<td>194</td>
</tr>
<tr>
<td>Palo Alto</td>
<td>124</td>
</tr>
<tr>
<td>IBM</td>
<td>122</td>
</tr>
</tbody>
</table>

Pursuant to the National Apprenticeship Act, the Department of Labor works to expand opportunities related to apprenticeship programs. This project has been funded, either wholly or in part, with Federal funds from the Department of Labor, Employment & Training Administration under the contract number/work order 330-EPS-04-095/DEED-01-7-30869. The contents of this publication do not necessarily reflect the views or policies of the Department of Labor, nor does mention of trade names, commercial products, or organizations imply endorsement of same by the U.S. Government.

**CYBERSECURITY FLORIDA**

**EMPLOYMENT TRENDS IN CYBERSECURITY**

46,413

estimated number of workers employed in cybersecurity-related jobs Oct. 2019–Sept. 2020*

23,707

Online job postings for related positions (Oct. 2019–Sept. 2020)*

**PROJECTED EMPLOYMENT GROWTH (2018–2028)**

<table>
<thead>
<tr>
<th>Job Title</th>
<th>Projected Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Network and Computer Systems Administrators</td>
<td>44%</td>
</tr>
<tr>
<td>Computer Network Administrators</td>
<td></td>
</tr>
<tr>
<td>Computer Network Support Specialists</td>
<td></td>
</tr>
<tr>
<td>Computer Systems Analysts</td>
<td></td>
</tr>
<tr>
<td>Computer Systems Managers</td>
<td></td>
</tr>
</tbody>
</table>

10-year projected growth for Information Security Analysts

**INFORMATION SECURITY ANALYST**

7,156

Employees in 2020†

$42.90

Average Hourly Earnings**

$23.77 $69.25

**TOP 5 INDUSTRIES RECRUITING INFORMATION SECURITY ANALYST**

<table>
<thead>
<tr>
<th>Industry</th>
<th>Number of Job Postings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information Technology</td>
<td>238</td>
</tr>
<tr>
<td>Software</td>
<td>106</td>
</tr>
<tr>
<td>Defense</td>
<td>94</td>
</tr>
<tr>
<td>Consulting Services</td>
<td>90</td>
</tr>
<tr>
<td>Financial Services</td>
<td>78</td>
</tr>
</tbody>
</table>

**TOP EMPLOYERS RECRUITING INFORMATION SECURITY ANALYST**

<table>
<thead>
<tr>
<th>Company</th>
<th>Number of Job Postings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oracle</td>
<td>238</td>
</tr>
<tr>
<td>L3Harris</td>
<td>106</td>
</tr>
<tr>
<td>KPMG</td>
<td>94</td>
</tr>
<tr>
<td>Citigroup</td>
<td>90</td>
</tr>
<tr>
<td>Accenture</td>
<td>78</td>
</tr>
</tbody>
</table>

**Sources:**

*CyberSeek; **Onet; ***National Labor Exchange; †EMSI.

Pursuant to the National Apprenticeship Act, the Department of Labor works to expand opportunities related to apprenticeship programs. This project has been funded, either wholly or in part, with Federal funds from the Department of Labor, Employment & Training Administration under the contract number/work order DOL-OPS-01-08-07003-08. The contents of this publication do not necessarily reflect the views or policies of the Department of Labor, nor does mention of trade names, commercial products, or organizations imply endorsement of same by the U.S. Government.
EMPLOYMENT TRENDS IN CYBERSECURITY

32,794
estimated number of workers employed in cybersecurity-related jobs Oct. 2019–Sept. 2020*

17,408
Online job postings for related positions (Oct. 2019–Sept. 2020)*

PROJECTED EMPLOYMENT GROWTH (2018–2028)**

<table>
<thead>
<tr>
<th>Occupation</th>
<th>10-year projected growth for Information Security Analysts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information Security Analysts</td>
<td>36%</td>
</tr>
<tr>
<td>Software Developers, Systems Software</td>
<td></td>
</tr>
<tr>
<td>Computer and Information Systems Managers</td>
<td></td>
</tr>
<tr>
<td>Computer Network Support Specialists</td>
<td></td>
</tr>
<tr>
<td>Computer Systems Analysts</td>
<td></td>
</tr>
<tr>
<td>Network and Computer Systems Administrators</td>
<td></td>
</tr>
<tr>
<td>Computer Network Architects</td>
<td></td>
</tr>
</tbody>
</table>

INFORMATION SECURITY ANALYST

4,599
Employees in 2020†

$47.11
Average Hourly Earnings**

$28.09
$71.22

TOP 5 INDUSTRIES RECRUITING INFORMATION SECURITY ANALYST***

<table>
<thead>
<tr>
<th>Industry</th>
<th>Number of Job Postings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consulting Services</td>
<td>127</td>
</tr>
<tr>
<td>Financial Services</td>
<td>108</td>
</tr>
<tr>
<td>Information Technology</td>
<td>67</td>
</tr>
<tr>
<td>Software</td>
<td>42</td>
</tr>
<tr>
<td>Telecommunications</td>
<td>37</td>
</tr>
</tbody>
</table>

TOP EMPLOYERS RECRUITING INFORMATION SECURITY ANALYST**

<table>
<thead>
<tr>
<th>Employer</th>
<th>Number of Job Postings</th>
</tr>
</thead>
<tbody>
<tr>
<td>fiserv.</td>
<td>127</td>
</tr>
<tr>
<td>IBM</td>
<td>67</td>
</tr>
<tr>
<td>Accenture</td>
<td>42</td>
</tr>
<tr>
<td>EY</td>
<td>37</td>
</tr>
</tbody>
</table>

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Sources:
*CyberSeek; **Onet; ***National Labor Exchange; †EMSI.
EMPLOYMENT TRENDS IN CYBERSECURITY

3,846
estimated number of workers employed in cyber security related jobs Oct. 2019 – Sept. 2020*

1,597
Online job postings for related positions (Oct. 2019 – Sept. 2020)*

PROJECTED EMPLOYMENT GROWTH (2018–2028)**

12%
10-year projected growth for Information Security Analysts

INFORMATION SECURITY ANALYST

514
Employees in 2020†

$40.88
Average Hourly Earnings**

$23.68
Minimum

$68.46
Maximum

TOP 5 INDUSTRIES RECRUITING INFORMATION SECURITY ANALYST***

Information Technology
42
Oracle

Consulting Services
17
ICF

Financial Services
14
Fiserv

Software
12
Lumen

Healthcare
8
Accenture

TOP EMPLOYERS RECRUITING INFORMATION SECURITY ANALYST**

Number of JOB POSTINGS

*Pursuant to the National Apprenticeship Act, the Department of Labor works to expand opportunities related to apprenticeship programs. This project has been funded, either wholly or in part, with Federal funds from the Department of Labor, Employment & Training Administration under the contract number/work order DOL-OPS-AR-2018-00000-017-0236. The contents of this publication do not necessarily reflect the views or policies of the Department of Labor, nor does mention of trade names, commercial products, or organizations imply endorsement of same by the U.S. Government.

Sources:
‡Online job postings for related positions (Oct. 2019 – Sept. 2020)
**Projected employment growth 2018 – 2028.
***Top 5 industries recruiting Information Security Analyst; estimates for October 2019 – September 2020.
EMPLOYMENT TRENDS IN CYBERSECURITY

36,010
estimated number of workers employed in
cybersecurity-related jobs Oct. 2019–Sept. 2020*

17,861 Online job postings for related
positions (Oct. 2019–Sept. 2020)*

PROJECTED EMPLOYMENT GROWTH (2018–2028)**

23%
10-year projected
growth for
Information
Security Analysts

INFORMATION SECURITY ANALYST

4,359
Employees in 2020†

$48.94
Average Hourly Earnings**

$29.82
$72.13

TOP 5 INDUSTRIES RECRUITING
INFORMATION SECURITY ANALYST***

Consulting Services
210

Information Technology
109

Financial Services
60

Manufacturing
47

Software
33

TOP EMPLOYERS RECRUITING
INFORMATION SECURITY ANALYST**

Number of
JOB POSTINGS

Oracle

KPMG

IBM

Accenture

CTG

Pursuant to the National Apprenticeship Act, the Department of Labor works to expand opportunities related to apprenticeship programs. This project has been funded, either wholly or in part, with federal funds from the Department of Labor, Employment & Training Administration under the contract number/work order DOL-OPS-08-105/ES-011190. The contents of this publication do not necessarily reflect the views or policies of the Department of Labor, nor does mention of trade names, commercial products, or organizations imply endorsement of same by the U.S. Government.

Sources:
* CyberSeek; ** Onet; *** National Labor Exchange; † EMSI.
CYBERSECURITY
INDIANA

EMPLOYMENT TRENDS IN CYBERSECURITY

10,254
estimated number of workers employed in cybersecuity-related jobs Oct. 2019–Sept. 2020*

4,503
Online job postings for related positions (Oct. 2019–Sept. 2020)*

PROJECTED EMPLOYMENT GROWTH (2018–2028)**

Software Developers, Systems Software

Information Security Analysts

25%
10-year projected growth for Information Security Analysts

INFORMATION SECURITY ANALYST

1,376
Employees in 2020†

$47.11
Average Hourly Earnings**

$29.66
$82.01

TOP 5 INDUSTRIES RECRUITING INFORMATION SECURITY ANALYST***

Information Technology
Financial Services
Manufacturing
Consulting Services
Software

TOP EMPLOYERS RECRUITING INFORMATION SECURITY ANALYST**

Goldman Sachs
71

ORACLE
42

EY
31

CTG
25

Pursuant to the National Apprenticeship Act, the Department of Labor works to expand opportunities related to apprenticeship programs. This project has been funded, either wholly or in part, with Federal funds from the Department of Labor, Employment & Training Administration under the contract number/work order 303-OP01-6-001/16059. The contents of this publication do not necessarily reflect the views or policies of the Department of Labor; nor does mention of trade names, commercial products, or organizations imply endorsement of same by the U.S. Government.

Sources:
†Sources,
**Onet;
***National Labor Exchange; ††EMSI.
CYBERSECURITY
MID-ATLANTIC
District of Columbia, Maryland, and Virginia

EMPLOYMENT TRENDS IN CYBERSECURITY

150,440
estimated number of workers employed in cybersecurity-related jobs Oct. 2019–Sept. 2020*

102,909
Online job postings for related positions (Oct. 2019–Sept. 2020)*

PROJECTED EMPLOYMENT GROWTH (2018–2028)**

<table>
<thead>
<tr>
<th>Industry/Occupation</th>
<th>Projected Growth (2018–2028)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer and Information Systems Managers</td>
<td>10%</td>
</tr>
<tr>
<td>Computer and Information Systems Analysts</td>
<td>20%</td>
</tr>
<tr>
<td>Computer Network Architects</td>
<td>30%</td>
</tr>
<tr>
<td>Computer Network Support Specialists</td>
<td>40%</td>
</tr>
<tr>
<td>Computer and Information Systems Managers</td>
<td>50%</td>
</tr>
</tbody>
</table>

INFORMATION SECURITY ANALYST

23,916
Employees in 2020†

$53.26
Average Hourly Earnings**

$31.82
Median Hourly Earnings

$80.06
Average Weekly Pay

TOP 5 INDUSTRIES RECRUITING INFORMATION SECURITY ANALYST***

1. Information Technology
2. Defense
3. Consulting Services
4. Federal Government
5. Telecommunications

TOP EMPLOYERS RECRUITING INFORMATION SECURITY ANALYST**

1. Leidos
2. General Dynamics
3. CACI
4. ManTech
5. Oracle

Sources:
* CyberSeek; "Nat.” National Labor Exchange (NLE); ** Onet; *** National Labor Exchange; †† EMSI.
EMPLOYMENT TRENDS IN CYBERSECURITY

32,141
estimated number of workers employed in cybersecurity-related jobs Oct. 2019–Sept. 2020*

20,357 Online job postings for related positions (Oct. 2019–Sept. 2020)*

PROJECTED EMPLOYMENT GROWTH (2018–2028)**

<table>
<thead>
<tr>
<th>Job Title</th>
<th>Projected Growth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Information Security Analyst</td>
<td>36%</td>
</tr>
<tr>
<td>Computer and Information Systems Managers</td>
<td></td>
</tr>
<tr>
<td>Computer Systems Analysts</td>
<td></td>
</tr>
<tr>
<td>Computer Network Support Specialists</td>
<td></td>
</tr>
<tr>
<td>Network and Computer Systems Administrators</td>
<td></td>
</tr>
<tr>
<td>Computer Network Architects</td>
<td></td>
</tr>
</tbody>
</table>

10-year projected growth for Information Security Analysts

INFORMATION SECURITY ANALYST

6,467 Employees in 2020†

$46.25 Average Hourly Earnings**

$30.73 $72.20

TOP 5 INDUSTRIES RECRUITING INFORMATION SECURITY ANALYST***

<table>
<thead>
<tr>
<th>Industry</th>
<th>Number of Job Postings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Financial Services</td>
<td>265</td>
</tr>
<tr>
<td>Software</td>
<td>186</td>
</tr>
<tr>
<td>Consulting Services</td>
<td>136</td>
</tr>
<tr>
<td>Defense</td>
<td>62</td>
</tr>
<tr>
<td>Information Technology</td>
<td>56</td>
</tr>
</tbody>
</table>

TOP EMPLOYERS RECRUITING INFORMATION SECURITY ANALYST**

<table>
<thead>
<tr>
<th>Company</th>
<th>Number of Job Postings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wells Fargo</td>
<td>265</td>
</tr>
<tr>
<td>IBM</td>
<td>186</td>
</tr>
<tr>
<td>Oracle</td>
<td>136</td>
</tr>
<tr>
<td>KPMG</td>
<td>62</td>
</tr>
<tr>
<td>Accenture</td>
<td>56</td>
</tr>
</tbody>
</table>

Sources:
* CyberSeek, ** Onet, *** National Labor Exchange, † EMSI.

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EMPLOYMENT TRENDS IN CYBERSECURITY

78,636
estimated number of workers employed in
cybersecurity-related jobs Oct. 2019–Sept. 2020*

47,276

PROJECTED EMPLOYMENT GROWTH (2018–2028)***

<table>
<thead>
<tr>
<th>Information Security Analysts</th>
<th>38%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer and Information Systems Managers</td>
<td>10-year projected growth for Information Security Analysts</td>
</tr>
<tr>
<td>Computer Systems Analysts</td>
<td></td>
</tr>
<tr>
<td>Computer Network Support Specialists</td>
<td></td>
</tr>
<tr>
<td>Computer Network Architects</td>
<td></td>
</tr>
<tr>
<td>Network and Computer Systems Administrators</td>
<td></td>
</tr>
</tbody>
</table>

INFORMATION SECURITY ANALYST

11,612
Employees in 2020†

$50.34
Average Hourly Earnings**

$30.33
$77.36

TOP 5 INDUSTRIES RECRUITING INFORMATION SECURITY ANALYST***

| Consulting Services | 221 |
| Software | 201 |
| Financial Services | 170 |
| Information Technology | 125 |
| Telecommunications | 106 |

TOP EMPLOYERS RECRUITING
INFORMATION SECURITY ANALYST**

<table>
<thead>
<tr>
<th>Number of JOB POSTINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>KPMG</td>
</tr>
<tr>
<td>IBM</td>
</tr>
<tr>
<td>ORACLE</td>
</tr>
<tr>
<td>USAA</td>
</tr>
<tr>
<td>CTG</td>
</tr>
</tbody>
</table>

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Sources: CyberSeek: "Stat."; National Labor Exchange; EMSI.


*Core-based statistical area (CBSA) employment data was not available for all occupations within the Texas CBSA.

**The wage-related data is based on Occupational Employment Statistics data. It is calculated by dividing the average annual wage by the average hours worked in an year.

EMPLOYMENT TRENDS IN CYBERSECURITY

8,483
estimated number of workers employed in cybersecurity-related jobs Oct. 2019—Sept. 2020*

3,768
Online job postings for related positions (Oct. 2019—Sept. 2020)*

PROJECTED EMPLOYMENT GROWTH (2018–2028)**

59%
10-year projected growth for Information Security Analysts

0%
20%
40%
60%
80%

Software Developers, Systems Software
Computer and Information Systems Managers
Network and Computer Systems Administrators
Computer Systems Analysts
Computer Network Architects
Computer Network Support Specialists

INFORMATION SECURITY ANALYST

1,067
Employees in 2020†

$40.15
Average Hourly Earnings**

$23.32
$68.45

TOP 5 INDUSTRIES RECRUITING INFORMATION SECURITY ANALYST***

Information Technology
Defense
Consulting Services
Software
Financial Services

TOP EMPLOYERS RECRUITING INFORMATION SECURITY ANALYST****

Number of JOB POSTINGS

220 ORACLE
96 NORTHROP GRUMMAN
31 EY
28 ManTech
17 ICF

Pursuant to the National Apprenticeship Act, the Department of Labor works to expand opportunities related to apprenticeship programs. This project has been funded, either wholly or in part, with Federal funds from the Department of Labor, Employment & Training Administration under the contract number/work order DOL-OPS-16-A-38599/DE-0101280060-000-05. The contents of this publication do not necessarily reflect the views or policies of the Department of Labor nor does mention of trade names, commercial products, or organizations imply endorsement of same by the U.S. Government.

Sources:
EMPLOYMENT TRENDS IN CYBERSECURITY

1,154

estimated number of workers employed in cybersecurity-related jobs Oct. 2019–Sept. 2020*

294 Online job postings for related positions (Oct. 2019–Sept. 2020)*

PROJECTED EMPLOYMENT GROWTH (2018–2028)**

20%

10-year projected growth for Information Security Analysts

INFORMATION SECURITY ANALYST

75 Employees in 2020†

$36.15 Average Hourly Earnings**

$27.12 $55.17

TOP 5 INDUSTRIES RECRUITING INFORMATION SECURITY ANALYST***

Consulting Services

Financial Services

Information Technology

Telecommunication

Software

TOP EMPLOYERS RECRUITING INFORMATION SECURITY ANALYST**

Number of JOB POSTINGS

17

13

7

6

5

Sources:
*CyberSeek; **Onet; ***National Labor Exchange; ††EMSI.