

GEORGIA'S CYBERSECURITY INDUSTRY



U.S. ARMY CYBER COMMAND IN AUGUSTA

- Effective 2020, Fort Gordon in Augusta is home to U.S. Army Cyber Command, the central post for all of the U.S. Army's cybersecurity operations.
- 4,700 high-tech military personnel will be relocated to Fort Gordon as part of the growth within military intelligence, cyber, and the NSA, with the Army spending an estimated \$2.1 billion in facility improvements by 2020.
- Cyber Center of Excellence is the Army's epicenter for training and development of cyber warriors.
- NSA Georgia operates a 600,000 sq. ft. cryptologic center at Fort Gordon.
- Hull McKnight Georgia Cyber Center for Innovation and Training, state-owned facility for public and private industries, opens \$60 million Phase One in 2018.



GEORGIA SERVES AS ONE OF THE NATION'S ELITE CYBERSECURITY HUBS, RANKING 3RD IN THE NATION FOR INFORMATION SECURITY

Georgia information security companies generate more than **\$4.7 billion** in annual revenue.

Georgia is home to more than **115** information security companies, including:

- Check Point Software Technologies
- Cisco (Lancopie StealthWatch)
- DigitalStakeout*
- IBM Security Services
- Ionic Security*
- Liberty Technology*
- NexDefense*
- OneTrust
- Oversight Systems*
- Pindrop*
- Secureworks*
- Verint Systems
- VMware AirWatch*
- WiKID Systems*

**Headquartered in Georgia*

SELECTED GEORGIA CYBERSECURITY-RELATED DEGREES AWARDED - 2016

Program	Bachelor	Master	Doctor
Computer and Information Sciences, General	956	374	44
Computer Science	397	266	21
Management Information Systems, General	324	28	-
Information Technology	234	80	-
Computer Engineering, General	142	8	-
Computer and Information Systems Security/Information Assurance	59	50	-
Computer Systems Networking and Telecommunications	42	18	-
Web Page, Digital/Multimedia and Information Resources Design	41	9	-
Computer Software Engineering	23	23	-

Source: EMSI

NSA/DHS CURRENT NATIONAL CAE DESIGNATED INSTITUTIONS - GEORGIA

Institute	Designation
Augusta University	CAE-CD
Columbus State University	CAE-CD
Georgia Institute of Technology	CAE-R
Georgia Southern University (Armstrong State University)	CAE-CD
Kennesaw State University	CAE-CD
Middle Georgia State University	CAE-CD
University of Georgia	CAE-R
University of North Georgia	CAE-CD

Source: NIETP

GEORGIA EMPLOYMENT IN CYBERSECURITY OCCUPATIONS

Occupation	2017 Jobs
Software Developers, Applications	26,352
Computer Systems Analysts	17,493
Software Developers, Systems Software	13,902
Computer and Information Systems Managers	12,865
Network and Computer Systems Administrators	11,665
Computer Programmers	8,837
Information Security Analysts	2,440

Source: EMSI

CYBERSECURITY RESEARCH CENTERS AND EDUCATION INSTITUTES

GEORGIA CRYPTOLOGIC CENTER

- \$286 million complex provides cryptologic professionals with the latest state-of-the-art tools to conduct signals intelligence operations, train the cryptologic workforce and enable global communications.
- NSA/CSS (National Security Agency/Central Security Service) has had a presence in Georgia for more than 20 years at Fort Gordon, which is home to the U.S. Army Signal Center of Excellence (Signal CoE).

HULL MCKNIGHT GEORGIA CYBER CENTER FOR INNOVATION AND TRAINING

- Opening in 2018, this state-owned cyber facility brings together academia, private industry and government to establish cybersecurity standards across state and local agencies.
- \$100+ million investment; two buildings >300,000 sq. ft.
- Will develop and practice protocols for responding to cyber threats as well as address growing demand for highly trained cybersecurity professionals.

GEORGIA INSTITUTE OF TECHNOLOGY

- 12 labs and centers dedicated to cybersecurity, with nearly 500 scientists, faculty and students involved in cybersecurity research.
- Research occurring across colleges and units, including: computing, engineering, public policy, professional education, the Georgia Tech Research Institute and the Office of Information Technology.
- Cybersecurity research awards expected to exceed \$100 million in FY 2018.

AUGUSTA UNIVERSITY CYBER INSTITUTE

- \$2.5 million facility enables innovative interdisciplinary research and education for cybersecurity.
- Courses and degrees in advanced cyber defender, medical informatics, cyberterrorism and a master's of information security management.

UNIVERSITY OF NORTH GEORGIA (UNG) - CENTER FOR CYBER OPERATIONS EDUCATION

- Prepares students for military and civilian careers in cybersecurity, cyber operations and cyber defenses.
- National Cyber Warrior Academy (NCWA) GenCyber summer camp - a two-week, residential cyber academy for area high school students.

COLUMBUS STATE UNIVERSITY TSYS CYBERSECURITY CENTER

- \$2.5 million facility enables innovative, interdisciplinary research and education in cybersecurity in collaboration with local industry.
- Undergraduate and graduate flexible degrees and certificates in computer science with a cybersecurity track. Master's degrees including a new M.S. in cybersecurity management and a nationally recognized M.S. in applied computer science with a cybersecurity concentration.
- Outreach programs for K-12 including GenCyber summer camps for area middle and high school students and teachers.

KENNESAW STATE UNIVERSITY CENTER FOR INFORMATION SECURITY EDUCATION

- Only undergraduate security degree programs in the state with 300+ graduates to date.
- Hosts the annual Conference on Cybersecurity Education, Research and Practice and the Journal of Cybersecurity Education, Research and Practice.
- Coordinates the Southeast Collegiate Cyber Defense Competition (CCDC), a regional competition in the National CCDC.

NEXUS DEGREE OFFERS DEEP CYBERSECURITY INDUSTRY KNOWLEDGE

- In Fall 2018, the University System of Georgia (USG) will introduce the nexus degree, a new college credential combining academic coursework and experiential learning in high-demand career fields including cybersecurity. The curriculum is designed in collaboration with industry experts to ensure it meets specific present and future job requirements.



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