Georgia Tech is at the forefront of creating new cybersecurity solutions with immediate application in the real world — working to strengthen national defense, ensure economic continuity, and protect individual freedom. Our aim is to anticipate, overcome, and continually resist emerging cyberthreats through expert insight, innovative breakthroughs, and cutting-edge curriculum.

The Institute for Information Security & Privacy houses numerous multidisciplinary academic labs dedicated to cybersecurity, as well as the Georgia Tech Research Institute (GTRI) — one of just 14 University Affiliated Research Centers* accredited by the U.S. Department of Defense. Such close collaboration between basic and applied research organizations within a university is rare in cybersecurity.

Georgia Tech is an active research and training partner to the U.S. armed forces and our research faculty include former military and government intelligence personnel with experience in nation-state cyberwarfare response.

> 20+ year history of cybersecurity support for military, intelligence, and commercial sectors

> 7 units engaged, including computing, engineering, public policy, business, professional education, national defense, and information technology

> 13 cybersecurity-related labs and centers

> 700+ cybersecurity researchers (faculty, scientists, and employed students)

> $183M+ investment dollars attracted by startups born from Georgia Tech research

> $175M+ in cybersecurity research in FY19

> 100K malware samples analyzed daily for industry and government partners

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**EDUCATION AND TRAINING**

» **Academic Degree Programs**

Georgia Tech offers 12 degree pathways for future cybersecurity professionals across electrical and computer engineering, public policy, and computer science.

Georgia Tech’s Online Master of Science in Cybersecurity (OMS Cybersecurity) launched in 2019 and is offered for less than $10,000. Georgia Tech is the only nationally ranked Top 10 University to offer such a program intended to increase the accessibility and affordability of education.

» **Georgia Tech Professional Education**

Offers more than 130 courses — including a Cybersecurity Certificate — and has provided cybersecurity courses and programs to more than 1,890 professionals to date from Georgia, the United States, and around the world.

» **Georgia Manufacturing Extension Partnership (GaMEP)**

Provides training and technical assistance to manufacturers online and on-site support from ten regional offices including our Atlanta campus and Augusta.

**CORE CYBERSECURITY RESEARCH AREAS**

» **Privacy Policy**

How should the private sector use personal information? Should the government be able to access communication in transit or at rest?

» **Privacy Engineering**

How can consumers securely interact with technology? What are the best practices?

» **Attribution**

How can we know who is responsible for a cyberbreach? What can be done when we cannot attribute the breach?

» **Risk Management**

How do we quantify and assess risk in real time? Who do we watch? What do we look for?

» **Machine-to-Machine Trust**

How should people, machines, and networks establish trust? How does the trust relationship change over time?

» **Cyber Physical Systems**

What inputs and outputs should be part of the most fortified embedded and physical systems?

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*Charter held with the U.S. Army
Georgia Tech provides key strategic support for cybersecurity in the defense, financial, manufacturing, supply chain, and health care IT sectors.