

CYBERSECURITY

WORKFORCE + RESEARCH

Cyberattacks are a growing threat to personal identity, companies and our country's critical infrastructure. The University of Louisville is working to address this threat through research, technology and curriculum with the goal of helping to grow a robust cyber talent pipeline.

DEGREES + CREDENTIALS



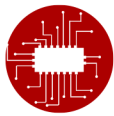
**GRADUATE
CERTIFICATE IN
CYBERSECURITY**



**B.A. IN COMPUTER
SCIENCE, WITH A
TRACK IN
CYBERSECURITY**



**B.A. IN BUSINESS
/CIS TRACK IN
CYBERSECURITY**



**PH.D. IN
COMPUTER
SCIENCE AND
ENGINEERING**



**CYBERSECURITY
WORKFORCE
CERTIFICATE**

Cybersecurity is a critical element of modern business, government and the lives of all Americans, and cyberattacks of all sorts continue to grow in number and impact. Meanwhile, Kentucky alone currently has more than 4,000 open cybersecurity positions. Filling these highly paid jobs would improve the economy and tax base of the commonwealth and keep critical infrastructure, utilities, businesses and agencies functioning.

UofL is working to address these challenges through research, innovation and curriculum. We are the only Carnegie Research 1, Community-Engaged institution in Kentucky nationally recognized at both the graduate and undergraduate level as a **Center of Academic Excellence in Cybersecurity (CAE)** by the National Security Agency and Department of Homeland Security.

UofL also is partnering with federal agencies on cybersecurity research and education, and has already received recognition and investment. In the past three years, UofL has received more than **\$16 million** to support cybersecurity research and training. We also are leading the charge as members of the U.S. Department of Defense's (DoD) elite **National Cyber Command and Strategic Command**, with the goal of furthering military research and training the next generation of cyber professionals.

UofL is working to develop cybersecurity training that prepares the workforce of tomorrow for careers in cybersecurity. We offer numerous programs ranging from bachelor's to doctoral degrees, and now provide full-tuition **NSF CyberCorps** scholarships for select bachelor's and master's degrees.

Aside from formal degree programs, UofL also leads a national consortium developing a DoD-backed **Cybersecurity Workforce Certificate Program** built on technology industry badging from Microsoft, IBM and Google. The certificate leverages gamification and hands-on applied learning with use cases from industry partners to teach artificial intelligence, blockchain and other cutting-edge aspects of cybersecurity. This training has been provided free for CAE institutions in Kentucky and across the country along with teachers at P-12, community college and other universities.

DEGREE PROGRAM ENROLLMENT

	2018-19	2019-20	2020-21	2021-22	2022-23
BS CIS WITH TRACK IN CYBERSECURITY	212	224	231	196	161
GRADUATE CERTIFICATE IN CYBERSECURITY	21	19	26	30	58

BS CS WITH TRACK IN CYBERSECURITY

NEW PROGRAM IN SUMMER 2023

Upskilling First Responders

MILITARY

The Cybersecurity Certifications, Careers and Communities (C4) Project provides training to military, veterans and their spouses transitioning to civilian cyber careers;

- Backed by \$2 million from the Commonwealth of Kentucky;
- So far, has produced 184 graduates.

LAW ENFORCEMENT

The Law Enforcement Cybersecurity Project provides training to law enforcement and criminal justice employees fighting cyber crimes;

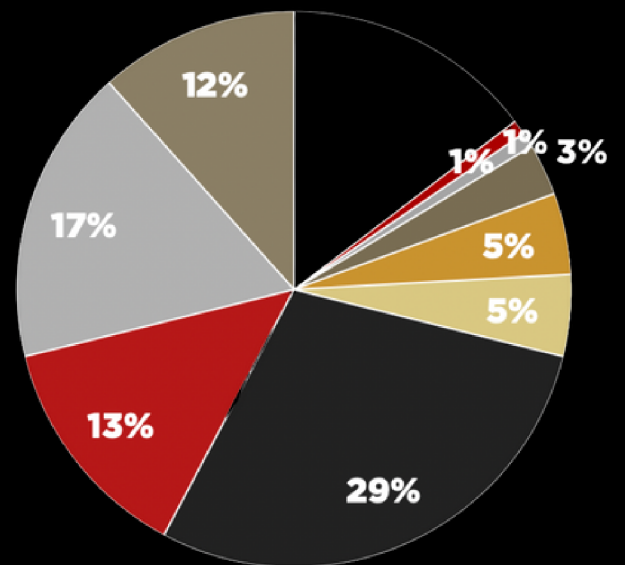
- Backed by grant from the U.S. Department of Homeland Security;
- 171 participants across a variety of ranks from 32 states.

TEACHERS

The National Cyber Teaching Academy provides cyber training to high school teachers;

- Scholarships to teachers pursuing 12 credit hour certificate;
- 400 high school teachers applied, and 31 were accepted to begin in summer 2022.

Admissions By Industry



- Law Enforcement
- 911 Dispatcher
- Active Service
- Veteran
- Other
- Firefighter
- EMT
- Transitioning Service
- IT Professional
- Seeking