BACHELOR OF SCIENCE IN CYBERSECURITY

BUILD THE EXPERTISE TO TAKE ON CRITICAL CYBERSECURITY CHALLENGES

As the demand for cybersecurity experts continues to rise, organizations and businesses are seeking professionals with the skills and knowledge to protect them from present and potential threats. Purdue University Global's bachelor's degree in cybersecurity helps you gain the skills to detect and prevent a wide range of cybersecurity issues and employ the technical tools and methods to find solutions. You'll also develop valuable teamwork and communication skills to prepare you to compete in the evolving world of IT.

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Why Study Technology at Purdue Global?

EXCELTRACK™ ONLINE DEGREE OPTION

Complete your degree faster and more affordably with our ExcelTrack™ bachelor's in cybersecurity program.

ONLINE FLEXIBILITY FOR WORKING ADULTS

Earn your degree 100% online, on your schedule. You can also visit one of our regional locations to take advantage of local, onsite support and services.

TRANSFER CREDITS

Our average bachelor's graduate saves 45% on tuition with credit for prior learning.[1]

HANDS-ON LEARNING

Gain tangible experience through learning labs that simulate real-world, on-the-job situations. This also helps you build a portfolio of diverse learning skills. Plus, an optional internship allows you to gain practical job experience in the field.

FACULTY EXPERTISE

Learn from practicing professionals with extensive experience in cybersecurity and education. All faculty possess advanced academic degrees.

ONE-ON-ONE MENTORING

Work directly with faculty via online discussion boards and during faculty office hours, and enjoy no-cost individual tutoring. In addition, academic and career advisors will partner with you to help you successfully balance school with your career and life responsibilities.

INTRODUCTORY TRIAL PERIOD

Make sure online learning at Purdue Global is right for you. Enroll in the University and try our classes for 3 weeks before you owe any tuition. That's the Purdue Global Commitment.[2]

NATIONALLY RANKED AND RESPECTED

Purdue Global is part of the respected Purdue University system. One of the most prestigious research universities in the world, Purdue University is ranked in the top 10 best public universities in the U.S. by *The Wall Street Journal/Times Higher Education.*[5]

ABET ACCREDITED

The online Bachelor of Science in Cybersecurity is accredited by the Computing Accreditation Commission (CAC) of ABET, www.ABET.org.

This assures that our program meets the standards to produce career-ready graduates in critical technical fields that are at the forefront of innovation and emerging technologies.

ABET | Computing Accreditation Commission

Program Outcomes Support Your Career Growth

BUILD THE CORE SKILLS AND COMPETENCIES THAT EMPLOYERS DEMAND	PREPARE FOR CERTIFICATION	GET A HEAD START ON YOUR MASTER'S DEGREE
• Technology skills • System specifications • Professional communication • Professional development • Team management • Security analysis	Prepare to pursue many of the critical certifications recognized by the information assurance community and for Department of Defense (DoD) personnel.[6]	Students completing the bachelor's program can qualify for shortened versions of our master's degrees in IT or cybersecurity management. This combined bachelor's-to-master's option saves you money and takes less time than completing each degree separately.

Curriculum

Our rigorous curriculum enables you to understand the foundational goals of cybersecurity, evaluate security trends, recognize best practices, and identify IT security products and threats. All courses are updated by our dedicated curriculum department and advisory board to ensure they reflect the most recent developments in the field.

CYBERSECURITY COURSE TOPICS INCLUDE:

- Certified ethical hacking
- Networking concepts
- Linux system administration
- Certified Information Systems Security Professional (CISSP) domains
- Networking with TCP/IP
- Network security concepts
- Introduction to management
- Linux security
- Routing and switching
- Intrusion detection and incident response
- Ethics in cybersecurity
- Digital forensics
- Information systems security
- Cybersecurity policies

EXCELTRACK™: A FASTER AND MORE AFFORDABLE WAY TO EARN YOUR DEGREE

In addition to our traditional online program, we offer ExcelTrack™, which is a personalized, competency-based option that gives you more control over how you learn. Each ExcelTrack™ online course is a single credit, covering a particular skill or piece of knowledge, allowing you to bypass any subjects you already know.[3] This option enables students who have at least 3 years of work experience and 3 prior college courses to earn their bachelor's degree sooner, at a lower cost.

OPTIONAL CONCENTRATION AREAS

Customize your degree plan to develop specialized expertise. We offer several concentrations aligned to current industry demand.

- CISSP Certification Preparation[4]
- Cloud Computing
- Data Management
- Game Development
- Programming and Analytics
- Supply Chain Management and Logistics*

ADDITIONAL PROGRAMS

- Master of Science in Cybersecurity Management
- Master of Science in Information Technology
- Bachelor of Science in Information Technology
- Undergraduate and Postbaccalaureate Certificates

*Note that the Supply Chain Management and Logistics concentration will not be available on ExcelTrack.

PROGRAM DETAIL

Credit Hours: 180

Program Length:

- **Standard online program:** 2–4 years (With transfer credit and other prior experience, the average completion time for Purdue Global bachelor's degree graduates in 2019-2020 was 2 years.)[4]
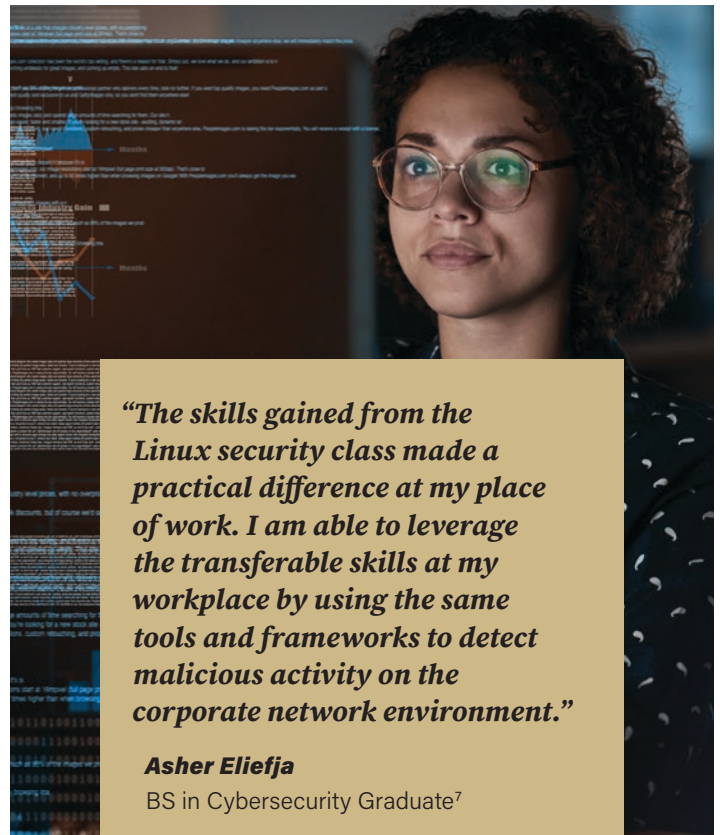- **ExcelTrack™:** Self-paced to help you graduate sooner

Course Load:

- **Standard online program:** 2 courses per term
- **ExcelTrack™:** As many as you can complete with a "B" or higher on your final assessment

Terms: 10 weeks long

Start Dates: Throughout the year

Delivery: Online, with optional local internship

"The skills gained from the Linux security class made a practical difference at my place of work. I am able to leverage the transferable skills at my workplace by using the same tools and frameworks to detect malicious activity on the corporate network environment."

Asher Eliefja
BS in Cybersecurity Graduate[7]

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Career and Networking Opportunities

INDUSTRY OUTLOOK

- Employment of information security analysts is projected to grow 33% between 2020 and 2030, more than 4 times the average for all occupations.[8]
- There are a total of 597,767 cybersecurity job openings, according to a 2021 report.[9]
- According to a 2019 report, 88% of cybersecurity jobs require at least a bachelor's degree.[10]

CAREER PATHWAYS AND OUTCOMES[11]

Roles

- Security policy analyst/manager
- Security architect, programmer, or engineer
- Forensics analyst investigator
- Ethical hacker/penetration analyst
- IT auditor
- Information security officer
- Application security specialist
- Network security analyst
- Information assurance engineer
- Information security analyst

Settings/Industries

- Financial services
- Government
- Military
- Manufacturing
- Health care
- Communications
- Transportation

CENTER FOR CAREER ADVANCEMENT

Our IT Career Specialists connect students with job and networking opportunities and offer the following assistance:

- Career assessment/exploration
- Resume and cover letter review
- Interview preparation/mock interviews
- Portfolio development to showcase your skills
- Assistance in building an online presence
- Job search and networking support
- Virtual career fairs
- 24/7 online access to job openings and career development tools

STUDENT ORGANIZATIONS AND HONOR SOCIETIES

- Association for Computing Machinery (ACM) and ACM Women in Computing
- Cybersecurity Club
- Cloud Club

Accredited by the Higher Learning Commission

Purdue Global is accredited by the Higher Learning Commission (HLC). The HLC (HLCommission.org) is an institutional accreditation agency recognized by the U.S. Department of Education.

Military Friendly

We offer reduced tuition rates for servicemembers, veterans, and spouses.

Contact an Admissions Advisor at 844-PURDUE-G or visit PurdueGlobal.edu.