

Bachelor of Science in Cybersecurity Online



PROGRAM OVERVIEW

The Bachelor of Science (B.S.) degree Cybersecurity is needed in every industry setting making the number of opportunities for cyber professionals fairly large. Whether it is education, military, healthcare, criminal justice or business, cybersecurity experts are needed in almost every industry. Olivet's program focuses on developing cybersecurity experts who are needed to fill the almost 300,000 open cybersecurity positions across the United States.

The experiential learning environment at Olivet is built on the latest technology and current industry standards. This carefully designed curriculum aligns with criteria set by the Center of Academic Excellence in Cyber Defense Education, the U.S. Department of Homeland Security and the National Security Agency's Knowledge Units.

Choosing a career in cybersecurity means a lifelong commitment to the utmost integrity in the workplace. When you walk into work each day, an untold number of jobs and millions of dollars may be on the line, all dependent on your willingness and ability to do your job with integrity. Even though there's a desperate shortage of cybersecurity experts, employers aren't just seeking anyone with the required skill set. Rather, companies are looking for applicants who show both top notch technical savvy and an unwavering commitment to their values.

POSSIBLE CAREERS

Information security specialist, Chief security officer, Security analyst, Security architect, Vulnerability analyst, Penetration tester, Security consultant, Risk manager, Incident response engineer



**For more
information,
contact your local
ONU+ Site Director.**

Founded in 1907, Olivet Nazarene University is a Christian liberal arts university accredited by the Higher Learning Commission and affiliated with the Church of the Nazarene. Olivet exists to provide a university-level liberal arts "Education with a Christian Purpose." With a main campus in Bourbonnais, Illinois, just 45 miles from Chicago, Olivet serves about 3,500 students on campus and online.

COURSE WORK

Computer Science Core Courses (24 hours)

COMP 120	Introduction to Programming
COMP 150	Programming: Control Structures
COMP 227	System Administration
COMP 237	Network Technologies
COMP 246	Database Programming
COMP 247	Database Design & Administration
COMP 334	Digital Law & Ethics
COMP 337	Digital Systems Security
COMP 355	Agile Methodologies

Cybersecurity Major Required Courses (35 hours)

COMP 130	Introduction to Cybersecurity
COMP 260	Shell Programming
COMP 332	Linux System Administration
COMP 333	Windows Server Management
COMP 335	Incident Response
COMP 348	Packet Analysis & Inspection
COMP 357	Security Analyst I: Detection
COMP 360	Cryptography & Blockchain
COMP 420	Risk Mgmt. / Busn. Continuity Planning
COMP 431	Social Engineering
COMP 432	Ethical Hacking
COMP 457	Security Analyst II: Digital Forensics

Recommended Supporting Courses

COMP 493	Software Research & Dev. Project
COMP 494	Internship
ENGL 311	Business Comm / Technical Writing
FACS 312	Professional Image & Dress

General Education Requirements

THEO 110	Intro to Christianity
BLIT 210	Christian Scriptures
CMIN 310	Christian Living
ENGL 109	College Writing I
ENGL 210	College Writing II
COMM 105	Fundamentals of Communication
HIST 200	Western Civilization
MATH 103	or higher level mathematics
* Approved Stewardship Course * (such as PHED 190)	
* Approved Social Science Course * (such as PSYC 101)	
* Approved Humanities Course 1 * (such as LIT 105)	
* Approved Humanities Course 2 * (such as PHIL 201)	
* Approved Physical Science Course * (such as ESS 151)	
* Approved Biological Science Course * (such as ENVI 215)	

Elective courses will be required to meet the minimum graduation requirements of 120 credit hours.