

Study

CYBER OPERATIONS

at an **NSA National Center of Academic Excellence**

Cybersecurity is one of the fastest growing career fields today. Cedarville University's B.S. in cyber operations will prepare you well to join this dynamic field. Cedarville is also home to the Center for the Advancement of Cybersecurity, which has a goal to advance cybersecurity in our nation by developing tomorrow's cyber leaders in the classroom, shaping cyber education in the academy, and promoting cyber awareness in society.

Cedarville University is equipping highly skilled, ethically grounded cybersecurity professionals who honor Christ with their vocation.

Cedarville University is among the leaders in cybersecurity education in the U.S., and not just among Christian colleges. Cedarville is one of only a few schools designated by the NSA as a National Center of Academic Excellence in both cyber operations and cyber defense and is one of the first seven schools to receive ABET accreditation in cybersecurity. Cedarville is the first university in Ohio to offer a cyber operations major. A student team from Cedarville is the defending Collegiate Cyber Defense Competition state of Ohio champion.

The Center for the Advancement of Cybersecurity at Cedarville will move to a state-of-the-facility within the brand-new Scharnberg Business Center when it is completed in fall 2024.

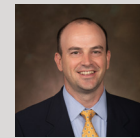
If you want to pursue a career in cybersecurity, why not study at a university certified by the National Security Agency of the United States?

Cedarville University also offers an online M.B.A. with a concentration in cybersecurity management.



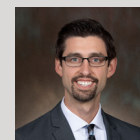
CAE
IN CYBERSECURITY
COMMUNITY

Faculty Leadership



Seth Hamman, Ph.D.

Associate Professor of Cyber Operations and Computer Science and Director of the Center for the Advancement of Cybersecurity



Nick Parry, M.S.

Assistant Professor of Cyber Operations
Assistant Director of the Center for the Advancement of Cybersecurity

Learn More

Contact Admissions at **1-800-CEDARVILLE** (233-2784) to learn more about our cybersecurity programs or visit cedarville.edu/cybercenter.

B.S. in Cyber Operations | Four-Year Curriculum Plan

First Year:

BTGE-1725 The Bible and the Gospel.....	3	ENG-1400 Composition.....	3
CS-1210 C++ Programming.....	2	MATH-1710, 1720 Calculus I and II.....	10
CS-1220 Object Oriented Design Using C++.....	3	PEF-1990 Physical Activity and Healthy Living.....	2
CY-1000 Introduction to Cybersecurity.....	3	PHYS 2110 General Physics I.....	4
EGCP-1010 Digital Logic Design.....	3	Total	33

Second Year:

BTGE-2730 Old Testament Literature.....	3	CY-3420 Cyber Defense.....	3
BTGE-2740 New Testament Literature.....	3	EGCP-3210 Computer Architecture.....	3
CS-2210 Data Structures Using Java.....	3	GSS-1100 Politics and American Culture.....	3
CS-3310 Operating Systems.....	3	MATH-2520 Discrete Math and Probability Principles for Computer Science.....	3
COM-1100 Fundamentals of Speech.....	3	Total	30
CY-2310 Cyber Forensics.....	3		

Third Year:

BTGE-3755 Theology I.....	3	EGCP-4310 Computer Networks.....	3
BTGE-3765 Theology II.....	3	ITM-3450 IT Security & Risk Management.....	3
CS-3410 Algorithms.....	3	Technical Electives	6
CY-3320 Linux Systems Programming.....	3	General Electives	3.5
CY-4330 Software Security.....	3	Total	33.5
EGCP-2120 Microcontrollers.....	3		

Fourth Year:

CY-4310 Cyber Operations.....	3	HUM-1400 Introduction to the Humanities.....	3
CY-4810, 4820 Software Engineering I and II.....	7	History Elective	3
EGGN-3110 Professional Ethics.....	3	Social Science/Global Awareness Elective	3
EGGN-4010 Senior Seminar.....	0	Electives	3
GBIO-1000 Principles of Biology.....	3.5	Total	31.5
LIT-2XXX Literature Elective.....	3		

M.B.A. with Cybersecurity Management Concentration

BTGS-6100 Biblical and Theological Foundations for Graduate Studies.....	3	ACCT-6300 Accounting for Business Executives.....	3
MRKT-6200 Strategic Marketing Planning.....	3	FIN-6500 Executive Financial Management.....	3
BUS-6100 Managerial Data Analysis.....	3	CYBS-6200 Introduction to Cybersecurity.....	3
ECON-6400 Managerial Economics.....	3	CYBS-6250 Foundations of Risk Management.....	3
ITM-6800 Information Technology for Competitive Advantage.....	3	CYBS-6280 Enterprise Security Architecture.....	3
CYBS-6270 Cybersecurity Law and Policy.....	3	MGMT-6790 Organizational Management Strategy.....	3
		MGMT-6710 Management and Leadership of Organizations.....	3