



INDIANA**TECH**

Let Indiana Tech help you take your associate degree to another level.

We make it easy to build upon your Ivy Tech associate degree to earn a bachelor's degree. Find out exactly which classes you need to take on the back of this information sheet.

Indiana Tech will help you financially as well. If you graduated from Ivy Tech after 2010 and have a minimum cumulative GPA of 2.5, you are eligible for the Ivy Tech Merit Scholarship, which will result in a 20 percent reduction in tuition.

USE THIS -----

Associate of Science in CSIA

TO ACHIEVE THIS -----

Bachelor of Science in Cybersecurity

Program Overview

A degree in cybersecurity will prepare you for a career and leadership within the rapidly expanding information security field. Our cybersecurity program blends the technical aspects of information security with a fundamental understanding of criminal investigation.

Hands-on coursework in computer programming, networking, electronics and criminology will arm you with the expertise that today's companies, organizations and law enforcement and intelligence agencies are looking for to protect data. The result is a uniquely effective degree which enables you to become a digital detective ready to protect individual and organizational data, and fight the cyberattacks and crime that take place every day on the Internet.

Graduates with this degree have pursued careers in the following fields:

- Retail/Commerce
- Health Care
- Finance
- Law Enforcement

TRANSFER CREDITS

THESE IVY TECH COURSES			FULFILL	THESE INDIANA TECH REQUIREMENTS		
Associate of Science Degree in CSIA				Bachelor of Science Degree in Cybersecurity		
Written Communication						
ENGL 111	English Composition	3	ENG 1252	Argumentative Writing		3
Speaking and Listening						
COMM 101	Fundamentals of Public Speaking	3	COMM 1400	Public Communication (APP EL)		3
Quantitative Reasoning						
MATH 136	College Algebra	3	MA 1030	Applied Algebra		3
MATH 137	Trigonometry with Analytic Geometry	3	MA 1055	Applied Trigonometry		3
MATH 200	Statistics	3	MA 2025	Statistical Problem Solving		3
Scientific Ways of Knowing						
BIOL 101	Introductory Biology	3	BIO 1000	Introductory Biology (SCI EL)		3
PHYS 101	Physics I	3	PH 1100	Fundamentals of Physics (APP EL)*		3
Social and Behavioral Ways of Knowing						
PSYC 101	Introduction to Psychology	3	PSY 1700	Introduction to Psychology		3
PSYC 205	Abnormal Psychology	3	PSY 2520	Abnormal Psychology		3
Humanistic and Artistic Ways of Knowing						
PHIL 102	Introduction to Ethics	3	HUM 3710	Ethics		3
Other Institutional Requirements						
IVYT 111	Student Success	1		N/C		0
CPIN 279	Computing and Informatics	1		N/C		0
Program Specific Core						
CSIA 105	Introduction to Cyber Security/ Information Assurance	3	CYS 1100	Introduction to Cybersecurity		3
CSIA 210	Network Protocol Analysis	3	TEC EL	Technical Elective		3
INFM 109	Informatics Fundamentals	3	IS 1150	Principles of Information Systems (TEC EL)		3
ITSP 135	Hardware/Software Support	4	NET 1500	Circuits & Signals		3
NETI 105	Network Fundamentals	3	NET 1200	Network Design I		3
SDEV 120	Computing Logic	3	CS 1250	Problem Solving for Programmers		3
Transfer Cluster						
CSIA 135	Digital Forensics	3	CYS 3200	Digital Forensics		3
DBMS 110	Database Design and Management	3	CS 2500	Database Systems		3
SDEV 153	Web Site Development	3	IS 2100	Web Development I		3
			60			54

IN ADDITION TO FULFILLING THE COURSE REQUIREMENTS ABOVE, YOU MUST COMPLETE THE FOLLOWING INDIANA TECH COURSES TO ACHIEVE A BACHELOR OF SCIENCE IN CYBERSECURITY:

ENG 1272	Analytical Writing	3	EGR 2000	Engineering Communication		3
HUM EL	Humanities Elective	3	HUM LIT	Humanities Literature Elective		3
SS 2800	Introduction to Sociology	3	BA 1200	Foundations of Business		3
CJ 1100	Introduction to the Criminal Justice Systems	3	CJ 2400	Understanding Procedural Law		3
CJ 2500	Basics of Criminal Investigation	3	CS 1500	Introduction to Server Systems		3
CYS 2100	Network & Web Security Analysis	3	CYS 2300	Defensive CyberOps and Audit		3
CYS 3500	Defensive CyberOps & Vulnerability A	3	CYS 4100	Cybersecurity Project I		3
CYS 4200	Cybersecurity Project II	3	IS 1300	Programming I		3
IS 2300	Programming II	3	IS 4600	Disaster Recovery		3
NET 1250	Network Design II	3	NET 2300	Script Programming		3
NET 3300	Network Security	3	PSY 4540	Forensic Psychology		3

* = not needed in the current degree program