



# BARRY

INFORMATION ASSURANCE  
ANALYST, CYBERSECURITY

TRISTAR ENGINEERING

## TOP 5 SKILLS AND ABILITIES

Computer Programming &  
Languages

Project Management Skills

Time Management

Communication Skills

Math and Science Skills

## CURRICULUM RESOURCES

- Keep It Safe (K-2)
- Code Makers, Code Breakers (3-5)
- Cryptography (6-8)
- Can You Hack It? (9-12)

## ABOUT BARRY

Barry is an information assurance analyst for TRISTAR Engineering, a defense contractor in southern Indiana. Barry's job is to keep sensitive data secure by protecting computer networks and systems. His role at TRISTAR is especially important because the information he protects belongs to the United States military. He designs systems to allow data to be accurately recorded, safely stored, and also readily accessible for the intended users.

Information security and cybersecurity professionals like Barry work to protect many different kinds of data, including banking information, health records, and people's personal information. Barry started his cybersecurity career with an associate's degree in computer networking and then earned a bachelor's degree in technology management. From there, he joined the Air Force before working in the private sector.

Being a cybersecurity analyst requires an in-depth knowledge of not only computer systems and programming but also encryption strategies. They also help train people on best information security practices such as identifying suspicious links in emails as well as keeping passwords private. Working in information security or cybersecurity usually requires an associate's or bachelor's degree. Many people go on to get advanced degrees or credentials, such as Certified Information Systems Security Professional (CISSP) training.

“

My job is to make sure  
security is 'baked in' and  
not 'bolted on.'

”

[Click here to see Barry on the job!](#)

Related Careers	Required Degree or Certification	Median Income
IT Support Specialist	Certificate	\$46,490
Network Support Specialist	Associate Degree	\$60,120
Database Administrator	Masters or Doctoral Degree	\$80,060
Information Security Analyst		\$80,820+
Software Quality Assurance Engineer		\$89,900+
Computer Systems Engineer		\$88,020+

## POST-SECONDARY PROGRAMS IN CYBERSECURITY TO EXPLORE

### Ivy Tech - Bloomington

- Digital Forensics Certificate
- Network Penetration Certificate
- Network Security Certificate
- Cybersecurity/Information Assurance Technical Certificate
- Cybersecurity/Information Assurance (AS)

### Purdue Polytechnic

- Cybersecurity
- Information Technology
- Network Engineering Technology

### Vincennes University - Jasper

- Information Technology Certificate
- Cybersecurity and Network Operations Certificate
- IT Support and Cybersecurity (AS)
- Information Technology (AS)
- Homeland Security and Public Safety - Cyber and Information Technology Security (BS)

### Indiana University - Bloomington

- Computer Science (BS)
  - Security Minor
  - Cybersecurity Graduate Certificate
- Informatics (BS)
  - Security Cognate

### Purdue University

- Computer Science (BS)
  - Security Minor
- Computer Engineering