



# Cybersecurity Program

*Merriam-Webster defines the word Hacker as,  
“an expert at programming and solving problems with a computer”.*

Does this interest you? If so, we have the PERFECT program opportunity for you! We will be offering a program to teach a method of problem solving to think like a computer hacker and build controls to prevent computer, network, and data theft. We will show you how to improve your resourcefulness, creativity, logic, and problem solving skills by learning HANDS ON! When you complete this program, you will be able to look at computing resources and protect from wrongdoing.

Students will learn foundation knowledge in networking technologies, basic application design, attack vectors, protective technologies, and detective technologies. With these skills, students will learn how to determine deficiencies in both application and infrastructure designs, how to prevent a security breach, and most importantly actually watch attacks, and then implement preventative measures!

**After completion of the course, students will be able to understand and apply skills in these 10 domains of security:**

- Access Control Systems and Methodology
- Telecommunications and Network Security
- Business Continuity Planning and Disaster Recovery Planning
- Security Management Practices
- Security Architecture and Models
- Law, Investigation, and Ethics
- Application and Systems Development Security
- Cryptography
- Computer Operations Security
- Physical Security

**Student Skills needed:**

- Multi-tasking
- Tinkering
- Breaking things
- Problem solving
- Thinking differently
- Training others in technology

**Class Details**

Wednesdays - 6-8 & Saturdays – 9-12

Starting January 16th

Held at the ISU Cybersecurity Lab

Instructor is a local Cybersecurity expert

**To apply, use the link below to fill out the online application.**

Cyber security application: [Click here to Apply](#)

**Students will also need two teacher referrals using the following link:**

Teacher referral link: (cut and paste)

<https://forms.office.com/Pages/ResponsePage.aspx?id=2h1b0aPbfbkWdmqW06jnelC0asXg8gJpMm1MFSDzeo8tURj1RII0SE9YR0hKVEVBVkJZEMTIJVExUTi4u>

**\*\*Student cost is \$100 (Scholarships are available)**