PROUDLY AFFILIATED WITH

NSA

IUP

ADVANTAGES FOR STUDENTS

- Offered at no cost!
- A Raspberry Pi 3B+ Kit for each participant!
- FREE lunch!
- Instruction and mentorship from IUP faculty and other experts!
- Expand your knowledge of Cybersecurity and gain technical knowledge!

HOW TO APPLY

Applications are accepted online only. To apply or view other important information, please visit:

www.iup.edu/caecexpansion

CAMP DATES

June 4th to June 8th, 2018

PROGRAM DIRECTORS

Dr. Waleed Farag
Professor of Computer Science

Dr. Ben Rafoth
Professor of English

Dr. Crystal Machado
Professor of Education

Dr. Mac Fiddner
Professor of Political Science

IUP 2018 Cyber Security Skill Enhancement Camp

PRESENTED BY IUP AND NSA

IUP CAE-C EXPANSION PROJECT

SUMMER 2018 PROGRAM

This program supports projects that address cybersecurity education in the following areas:

- Integration of hands-on learning experiences into cybersecurity curriculum.

- Innovative approaches to cybersecurity education.

- Initiatives focused on increasing the availability of qualified cybersecurity educators.

- Initiatives focused on expanding the student pool.

- Collaboration and engagement in cybersecurity education programs.

- Study correlation between commercial certification courses, government-sponsored cybersecurity designation programs, and the CAE-C KUs/focus areas.

THE FUNDED GRANT

Under the leadership of Waleed Farag, grant PI; Ben Rafoth, co-PI; Crystal Machado, co-PI; and Mac Fiddner, co-PI, IUP, along with a selected group of national universities, has been awarded funding to start an innovative project to enhance cybersecurity education in Western Pennsylvania.

This project has the following objectives:

- To develop a cohesive set of services to innovatively address known challenges facing cybersecurity education. Proposing effective solutions to such challenges will facilitate the development, retention, and expansion of a skillful cybersecurity workforce to meet the increasing demand.

- To incorporate an interdisciplinary approach in designing and implementing the services mentioned above that will appeal to diverse cyber talent—including women and minorities—and serve a geographical area that is predominantly rural.

CAMP PROGRAM SUMMARY

Among the activities in the IUP Expansion of CAE-C project is to host a Cybersecurity Skill Enhancement summer camp for middle and high school students. This camp is a free (no cost to participants), five-weekday day camp offered in summer 2018. Instruction will be delivered by a team of professors, security experts, and middle/high school instructors. This camp will address both technical and non-technical skills needed to pursue a successful career in the Cybersecurity field.

- Upon completion of the camp, participants will have a strong understanding of Cybersecurity in addition to mastering necessary technical and non-technical skills.

- 30 projected participants from surrounding middle and high schools.

- An engaging content delivery approach that focuses on hands-on learning, carefully designed group activities, and empowering participants to be able to explore the field of Cybersecurity further.