

ADVANTAGES FOR STUDENTS

- Offered at no cost!
- Mini Drone or Arduino for each participant!*
- FREE lunch and afternoon snack!
- Instruction and mentorship from IUP faculty and other experts!
- Skills and knowledge for a growing career field!

ADVANTAGES FOR TEACHERS

- Offered at no cost!
- A Chromebook to take home for each participant!*
- FREE lunch and afternoon snack!
- ACT 48 Credits
- Mileage reimbursement for those who qualify!
- Multidisciplinary cybersecurity teaching skills, and modules to be used in class!

HOW TO APPLY

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

www.iup.edu/iupgencyber

CAMP DATES

Combination Camp
June 12 to June 16, 2017

Advanced Camp
June 27 to July 3, 2017

PROGRAM DIRECTORS

Dr. Waleed Farag
Professor of Computer Science

Dr. Mac Fiddner
Associate Professor of Political Science

PROUDLY AFFILIATED WITH



NSF



NSA



GenCyber



IUP

SUMMER 2017 GENCYBER GAMPS



PRESENTED BY IUP AND NSA

IUP GENGYBER

SUMMER 2017 PROGRAM

Gen Cyber is a new national initiative that is supported by the National Science Foundation and the National Security Foundation. This program has the following objectives:

- Increase interest in cybersecurity careers and diversity in the cybersecurity workforce of the nation
- Help all students understand correct and safe on-line behavior.
- Improve teaching methods for delivering cybersecurity content for K-12 curricula

THE FUNDED GRANT

Under the leadership of Dr. Waleed Farag, grant PI, and Dr. Mac Fiddner, grant co-PI, IUP, along with a selected group of national universities, has been awarded funding to hold a combination summer camp for middle and high school students and teachers, and an advanced camp for middle and high school students.

These funded projects will focus on fostering and sustaining a strong cybersecurity culture in high and middle school students and teachers in western PA through a holistic multidisciplinary approach. The combined camp will present a general introduction to cybersecurity fundamentals. The advanced camp will be technically oriented and geared toward students with previous programming and/or cybersecurity experience and knowledge.

CAMP PROGRAM SUMMARY

This project will host two FREE (no cost to participants), five-weekday day-camps in summer 2017. Instruction will be delivered by a team of professors and high/middle school teachers with numerous backgrounds but established expertise in cybersecurity teaching, research, and K-12 education. Camp will include:

- Upon completion of camps, participants will have a strong understanding of cybersecurity in addition to mastering basic skills that help them be safer online.
- 85 projected participants. 55 in the combination camp and 30 in the advanced camp.
- 150 teaching hours proposed (30 for each group at a rate of six hours per day).
- An engaging content delivery approach that includes direct instruction, group activities, structured discover, and hands-on laboratory.