

# SUMMER 2017 GENCYBER CAMPS

## HOW TO APPLY

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

[www.iup.edu/iupgenCyber](http://www.iup.edu/iupgenCyber)

## CAMP DATES

### Combination Camp

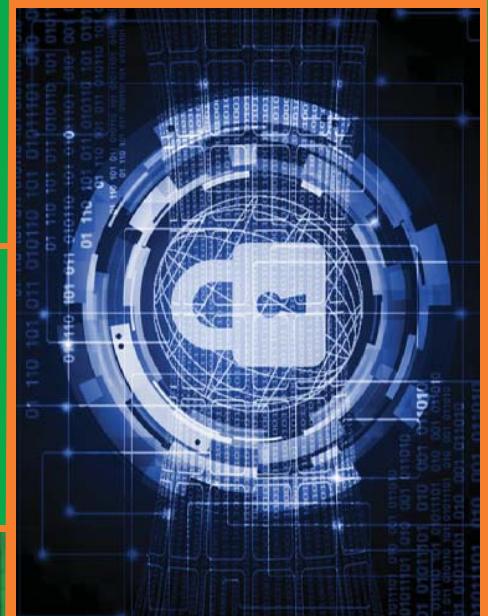
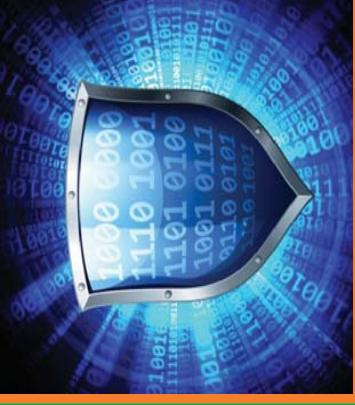
June 12 to June 16, 2017

### Advanced Camp

June 27 to July 3, 2017

## 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!



## PROGRAM DIRECTORS

Dr. Waleed Farag  
Professor of Computer Science

Dr. Mac Fiddner  
Associate Professor of Political Science

## PROUDLY AFFILIATED WITH



NSF



GenCyber



IUP

## 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!

\*Program contingent on funds released by NSA!

## IUP GENCYBER

## THE FUNDED GRANT

## CAMP PROGRAM SUMMARY

### 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

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.

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.