Summer 2018 GenCyber Camp

HOW TO APPLY

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

www.iup.edu/iupgencyber

ADVANTAGES FOR STUDENTS

- Offered at no cost!
- Sphero Ollie Robot 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!

CAMP DATES

Combination Camp
(Middle and High School Students and Teachers)
June 18 to June 22, 2018

ADVANTAGES FOR TEACHERS

- Offered at no cost!
- $500 Stipend 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!

CONTACT INFORMATION

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Proudly affilliated with

IUP   NSF   NSA   GenCyber

PRESENTED BY IUP AND NSA

IUP GENCYBER

SUMMER 2018 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, 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.

For the third year in a row, the funded project titled "Cultivating a Strong Cybersecurity Culture in Western PA through a Holistic Multidisciplinary Approach" proposes an interesting, novel, and multidisciplinary approach to foster interest in cybersecurity among middle and high school students and teachers in western Pennsylvania.

CAMP PROGRAM SUMMARY

This project will host a FREE (no cost to participants), five-weekday day-camp held June 18-22, 2018. 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:

- An engaging content delivery approach that includes direct instruction, group activites, structured discovery, and hands-on laboratory.

- 90 teaching hours proposed (30 for each group at a rate of six hours per day).

- 55 projected participants. 20 middle school students, 20 high school students, and 15 teachers.

- Upon completion of camp, participants will have a strong understanding of cybersecurity in addition to mastering basic skills that help them be safer online.