



MURRAY STATE
UNIVERSITY

COMPUTER SCIENCE SUMMER CAMP

JUNE 24 –26, 2019

The **Computer Science Summer Camp** is a fun, interactive camp for middle school and high school students. Campers will learn about exciting computer-related topics like robotics and cybersecurity. (Rising 5th graders are welcome!)

The camp will last 3 days (June 24-26). Four sessions will be offered: two morning sessions and two afternoon sessions. All sessions last for 3 days. Campers may choose a morning session and an afternoon session, or opt for only one of the half-day sessions.

Morning Sessions (9:00 a.m. – noon)

- **Robotics.** Design and build your own robots using the Arduino platform. Robots will battle in a tournament for prizes!
- **Cybersecurity.** Learn and practice basic cybersecurity concepts. How are computer networks built? How is information transmitted across a network? How do we prevent cyberattacks?

Afternoon Sessions (12:30 – 3:30 p.m.)

- **3D Modeling and Printing.** Design your own 3D models and print them. Participants will be allowed keep their creations!
- **Programming.** An introduction to programming with Greenfoot. Write simple 2D games and simulations using object-oriented programming in Java. No programming experience expected.

- **3 full days:** \$100 (choose 1 morning session and 1 afternoon session)
- **3 half days:** \$50 (choose either a morning session or an afternoon session)
- Participants must be in middle school or high school. Rising 5th graders are welcome.
- No computer science or programming experience is required.
- Lunch is included for all participants (full-day and half-day).
- All campers will receive a t-shirt and certificate of participation.

- To register, visit <http://goo.gl/wCBcs2>.
- For more information, call (270)809-2094 or email msu.csis@murraystate.edu.