

DATE: Saturday • Sept. 28th, 2024

LOCATED IN: Xenia, Ohio

COST: \$249

LOCATION: MacAir Aviation

Lewis A. Jackson Regional Airport

**INCLUDES PILOTING
AN AIRPLANE!**

Module Descriptions

“Wired for Flight”

Electrical Engineering

**EXPLORE THE CONNECTION OF
ELECTRONICS IN AVIATION WITH A
HANDS ON SOLDERING PROJECT THAT
YOU TAKE HOME**

Embark on a journey into the heart of aviation technology-electronics! In this module, students will delve into the intricate world of electrical engineering, exploring the connection of avionics and sensors in aircraft. Get hands-on with electronic components as you solder your device, and yes, you get to take it home! Unleash your inner engineer and witness the electrifying connections in aviation.

“Bridging the Future: Civil Engineering with a Tech Twist”

Civil Engineering

**EXPLORE CIVIL AND COMPUTER
ENGINEERING USING UNMANNED
AERIAL SYSTEMS**

Ever wondered how cities stay safe and function smoothly? Join us in this module to get hands-on experience with civil and computer engineering fused with Unmanned Aerial Systems (UAS). Discover real-world applications used by engineers and transportation departments to inspect and maintain city infrastructure. Dive into the challenges of city development, airspace restrictions, innovative UAS delivery systems, and more!

“Wing It Wright”

Aeronautical Engineering

**COMPETE IN THE ULTIMATE AIRCRAFT
WING DESIGN CHALLENGE**

Ready to take flight with creativity and engineering skills? In the “Wing It Wright” module, students will tackle an exciting wing design challenge for aircraft. Explore the realms of aeronautical engineering, navigating everyday design challenges like cost, materials, and performance. Get ready to soar into the world of possibilities as you engineer the future of flight in this exhilarating module!

“Take to the Skies”

Flight Engineering

**PILOT AN AIRCRAFT UNDER THE
DIRECTION OF AN FAA CERTIFIED
FLIGHT INSTRUCTOR**

Experience the exhilaration of flight firsthand as students command from the pilot seat under the expert guidance of an FAA Certified Flight Instructor. Explore the physics of flight, feeling the forces of lift, thrust, and drag come alive as you soar through the skies. Get ready to spread your wings and discover the magic of aviation like never before!



ABOVE ALL, IT'S FUN!

PARTICIPANTS WILL RECEIVE LUNCH, A T-SHIRT, AND SO MUCH MORE!

PLEASE VISIT OUR WEBSITE FOR MORE INFORMATION ABOUT REQUIREMENTS & TO APPLY

LEARN MORE > [AIRCAMPUSA.ORG](https://aircampusa.org)

CONNECT WITH US

