

AVIONICS/ ELECTRONICS

— offered by —

ADULT education

@ West-MEC ▶▶

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#findyourhappy

AVIONICS/ELECTRONICS

The Avionics/Electronics program is designed to educate students on electronics, in general and electronics within the aviation industry, in particular. Students will be taught basic electronics, wire harness buildup, aircraft systems including navigation and communication systems, autopilot and gyro systems, microwave and pulse systems, system integration and troubleshooting. Upon completion of the program students may test to receive a certification with the Federal Communications Commission (FCC).

Avionics/Electronics | 600 hours

Electronics

- ▶ Concepts of voltage, current, resistance, and solid state theory
- ▶ Electrical reaction in series, parallel, and series-parallel circuits
- ▶ Digital electronic concepts with lab application

Wiring

- ▶ Wiring diagrams, connector types, installation tools and materials
- ▶ Installation procedures and techniques
- ▶ Construct a complex wire harness build-up

Aircraft Electrical Systems

- ▶ Communication and navigation systems
- ▶ Troubleshooting techniques for aviation electronic equipment
- ▶ Interconnection between the various aircraft systems
- ▶ Microwave principles and theory for understanding radar
- ▶ DME, TCAS, transponders, and TAWS/EGPWS systems

FCC Preparation Course

- ▶ Preparing for General Radiotelephone Operator License (GROL)

Drones

- ▶ Flight fundamentals
- ▶ Drone maintenance
- ▶ FAA regulations

Campus Details

West-MEC Central Campus
6997 N. Glen Harbor Boulevard
Glendale, AZ 85307

☎ 623.209.8070

✉ adulted@west-mec.edu

Course Details

Monday-Thursday | 6:45PM-9:45PM

Tuition and Fees:

Program of Study: \$4,880.00

How to Register

Visit west-mec.edu/findyourhappy for information on registration.