

# Avionics/Drone Electronics

West-MEC 2021-22



## TWO-YEAR PROGRAM - 900 hour program

Inspect, Repair and Troubleshoot Aircraft Avionics Systems | Drone Theory and Design  
Learn Fundamentals of Alternate Current (AC), Digital Current (DC), Digital and Solid State Electronics

### PROGRAM REQUIREMENTS\*

- Current Sophomore, Junior and Senior students may apply
- One credit of English with a C or better
- One credit of Algebra I or higher of a C or better
- Copy of unofficial transcript
- Proof of residency in West-MEC district boundaries

\*Program requirements are subject to change per industry age restrictions, certification requirements and administrative discretion.

**\*Meeting application criteria does not guarantee enrollment.**

### COST REQUIREMENTS

- Upon acceptance into the program:
- \$125.00 registration fee (includes enrollment processing, supplies & leadership)
- Dress code is reviewed annually to meet professional industry standards. Dress code requirements will be addressed at registration and orientation.
- West-MEC provides two uniform shirts. (Other uniform/supply requirements are the responsibility of the student.)
- Optional dual enrollment will result in additional fees.
- After Early Graduation, Graduation, or GED completion, additional program fees will apply.

### INDUSTRY CERTIFICATION

#### TEST FEES PREPAID BY WEST-MEC

- This industry credential is required for employment in the field a majority of the time
  - FCC General Radiotelephone Operator License:
    - FCC Element 1 - Basic Radio Law & Operating Practice
    - FCC Element 3 - Electronic Fundamentals & Techniques
- This industry credential is relevant for employment in the field a majority of the time. is acknowledged by employers, candidates with this industry credential will signal to employers knowledge in the area but may not get priority in hiring over someone with industry experience
  - NC3 Snap-On Multiimeter

### CAREER PATHWAYS

- Avionics technician, avionics electronics technician, avionics installer, aircraft electrical systems specialist
- Entry level salary range: \$19.85 – 24.63 per hour\*

\*\*Bureau of Labor Statistics, Occupational Employment & Wages

### LOCATION & HOURS

#### West-MEC Central Campus:

6997 N Glen Harbor Blvd  
Glendale AZ 85307  
623.209.8045

(Transportation provided by the student/parent)

#### Monday - Friday

1st Year: 4:00 PM - 6:30 PM  
2nd Year: 1:00 PM - 3:30 PM

**NOTE: West-MEC & high school calendars may not align**



Program information may change as West-MEC strives to provide the best opportunities for students. Refer to [www.west-mec.edu](http://www.west-mec.edu) for most current information. Program is taught by industry certified instructors. West-MEC does not discriminate on the basis of race, color, national origin, gender, age, or disability in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of their operations.

Revised 9/2/2020

## ENROLLMENT INFORMATION

- West-MEC programs are competitive.
- The order for filling seats by grade level is as follows:
  - Current sophomores
  - Current juniors\*
  - Current seniors\*
- Applications are ranked, in part, by attendance, GPA, discipline and career choice (ECAP) - (see a sample rubric on <https://west-mec.edu>).
- Copy of birth certificate and immunizations due at time of registration
- Program hours are not excused for participation in extracurricular activities, athletics, or employment.
- West-MEC priority application submission date is in February.
- Contact school counselors for earlier deadlines for submitting applications to high school
- West-MEC provides accommodations and modifications identified in the IEP/504 for students who are concurrently enrolled in high school. Students who graduate from high school or have a GED will not be eligible for IEP serves. The student will need to self-advocate for reasonable accommodations which are aligned to industry certifications.
- \*Details regarding additional program costs are available at <https://west-mec.edu>

## STUDENT SUCCESS INDICATORS

- History of good attendance and discipline
- Strong interest in chosen career pathway
- Strong hand-eye coordination with fine motor skills and stamina
- Manual dexterity and physical ability to use tools, equipment, and machinery
- Ability to get along with other students and cooperate with instructor
- Ability to work accurately/follow procedures to an industry standard
- Ability to practice all procedures in each other (Certain medication may be contraindicated for services and may negatively impact student ability to participate fully)
- Strong technical reading and study skills; the textbook for this course is written at the college reading level

## GRADING SCALE

Grade	A	B	C	D	F
Percent	90%-100%	80%-89%	70%-79%	60%-69%	59% or below

## CREDITS ISSUED BY WEST-MEC

- High School - 6 elective credits
- 3 elective credits per year
- High school credits are awarded each semester
- This program satisfies AZ university admissions requirement. (AZ Board of Regents CTE/Fine Arts credit)

## Post-Secondary Opportunities (Optional)

- West-MEC has a strong partnership with Maricopa Colleges and we strive to provide robust post-secondary opportunities for students.
- Dual Enrollment is for eligible High School students who want to earn college credits while taking West-MEC courses.
- Students can earn community college credit for classes, and upon graduation, transfer the credits towards specific degrees at community college or university.
- High school graduates or students with a GED are not eligible to participate in Dual Enrollment.
- Due to staffing and curriculum changes, we advise the following:
  - Dual Enrollment is offered based on West-MEC faculty qualifications.
  - Dual Enrollment may not be offered in every program or on every campus.
  - Dual Enrollment credit offerings and college pathways are finalized every year during the first month of school
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  - Dual Enrollment may not be offered in every program or on every campus.
  - Dual Enrollment credit offerings and college pathways are finalized every year during the first month of school.
- Post-secondary pathway are updated on our website <https://west-mec.edu/dual-enrollment>

**Students may not be enrolled in two or more West-MEC Central Programs at the same time.**

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