

Energy & Manufacturing Systems



TWO-YEAR PROGRAM - 900-hour program

IN PARTNERSHIP WITH APS, PALO VERDE & ESTRELLA MOUNTAIN COMMUNITY COLLEGE

- Utilize emerging technologies to sustainably meet increasing energy demands.
- Design, construct, and maintain industrial, mechanical, electrical, and automated systems.
- Identify and apply creative solutions, as part of a team, to complex engineering challenges.

PROGRAM REQUIREMENTS*

- Current Sophomore, Junior, and Senior students may apply
- One credit of English with a C or better
- One credit of Math with a C or better
- Copy of unofficial transcript
- Proof of residency in West-MEC district boundaries
- Copy of birth certificate and immunizations/State Exemption Form due at the time of enrollment
- Students who do not meet program requirements may apply under a “Student Success Action Plan” through their high school counselor.
- Transportation is not provided by West-MEC. Families are responsible for providing transportation to and from West-MEC.

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

Meeting program requirements does not guarantee enrollment.

COST REQUIREMENTS

Upon enrollment into the program:

- \$150.00 non-refundable registration fee includes enrollment processing, supplies, leadership development, & uniform shirts. Other uniforms/supply requirements are the responsibility of the student.
 - Leadership development training is embedded through membership and participation in the Career and Technical Student Organization | Skills USA.
- It is recommended students have access to a personal computer and reliable internet outside of class to complete assignments and projects.
- Dress code is reviewed to meet professional industry standards. Dress code requirements are addressed before the start of classes.

Tuition

- Optional dual enrollment will result in additional fees.
- If a student graduates or obtains a GED prior to program completion the student will be responsible for tuition.
- Empowerment Scholarship Account (ESA) recipients are responsible for tuition West-MEC is an approved vendor.
- Student Tax Credit (STO)/Private School Scholarship recipients are responsible for tuition.
- Students who reside outside of West-MEC boundaries are responsible for tuition.
- Details regarding tuition costs are available at [Tuition Payment Agreement](#).

INDUSTRY CREDENTIALS

If eligible, students will have the opportunity to test for the following credentials.

TEST FEES PREPAID BY WEST-MEC; It is the responsibility of the student to maintain copies of all earned credentials.

- This industry credential is often preferred for employment in the field. Candidates with this industry credential are likely to be given priority in hiring.
 - National Coalition of Certification Centers (NC3)
 - Fundamentals of Mechanical Systems Level 1 and Applied Mechanical Systems Level 2
 - Fundamentals of Fluid Power - Hydraulics/Pneumatics Level 1 and Applied Fluid Power Technology Level 2
 - Fundamentals of Electricity - AC/DC
 - Applied Motor Controls
 - Fundamentals of Sensor Technology
 - OSHA-10 General

Proof of Citizenship or Legal Permanent Residency may be required for credential testing. Students with a documented disability may request credential testing accommodations through the individual testing entity.

Program information may change as West-MEC strives to provide the best opportunities for students. Refer to www.west-mec.edu for the 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.



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CAREER PATHWAYS

- Graduates of this program should qualify for a variety of careers as an on-the-job trainee or apprentice in fields such as Robotics Technician, Automation Technician, Electrical and Instrumentation Technician, Electronics, Process Controls, and Mechanical Technician, Engineering Technician, Power Plant Generation, Industrial Plant Operations, and Energy Transmission and Distribution, CTE teacher*
- Entry level salary range: \$18.32 - \$28.60 per hour**

*with additional education in this pathway | **Bureau of Labor Statistics, Occupational Employment & Wages

LOCATION & HOURS

West-MEC Southwest Campus:

500 N Verrado Way
Buckeye AZ 85374
623.872.6260

Monday - Friday

1st Year: 7:00 AM - 9:30 AM
1:00 PM - 3:30 PM
2nd Year: 7:00 AM - 9:30 AM
1:00 PM - 3:30 PM

NOTE: West-MEC & high school calendars may not align and all transportation is provided by the student/parent.

ENROLLMENT INFORMATION

- Acceptance into West-MEC programs may be competitive.
- Students may only be enrolled in **one** West-MEC Central Program at a time.
- 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)
- Program hours are not excused for participation in extracurricular activities, athletics, vacation, or employment.
- West-MEC priority application submission date is in February. Contact your school counselor for your school's application deadline.
- West-MEC provides accommodations and modifications identified in the IEP/504 for high school students. Students who graduate from high school or have a GED will not be eligible for IEP services. Graduated students will need to self-advocate for reasonable accommodations which are aligned with industry certifications.

STUDENT SUCCESS INDICATORS

- History of good attendance and discipline, and on track for graduation
- Strong interest in chosen career pathway
- Manual dexterity and physical ability to use tools, equipment, and machinery
- Ability to get along with other students and cooperate with the instructor
- Ability to work accurately/follow procedures to an industry-standard
- 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 credits are awarded each semester)
- This program satisfies AZ university's admissions requirements. (AZ Board of Regents CTE/Fine Arts credit)

EARLY COLLEGE PATHWAYS (OPTIONAL)

West-MEC offers a faster way forward through early college pathways, and we strive to provide robust post-secondary opportunities for students. For more information on Early College Pathways is available on our website:

- [Early College Pathways](#)

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