



## PRECISION MACHINING

### TWO-YEAR PROGRAM - 900-hour program

- Design, create, and machine the high-tech precision parts and tools used worldwide in everyday products.
- Harness advanced computer-controlled technology to manufacture precise metal and plastic components.
- Use the latest tools and advanced techniques in computer-aided design and computer-aided machining technologies.

### 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, certification requirements, and administrative discretion.

**Meeting application criteria 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 uniform/supply requirements are the responsibility of the student.
  - Leadership development training is embedded through membership and participation in the Career and Technical Student Organization | SkillsUSA.
- It is recommended that students have access to a personal computer and reliable internet outside of class to complete assignments and projects.
- The dress code is reviewed annually to meet professional industry standards. Dress code requirements will be addressed prior to the start of classes.
- After Early Graduation, Graduation, or GED completion, registration fee and tuition will apply.
- Empowerment Scholarship Account (ESA) recipients may select West-MEC as an approved vendor\*

\*Details regarding additional tuition costs are available at [Tuition Payment Agreement](#).

### INDUSTRY CERTIFICATION

#### FEES PREPAID BY WEST-MEC

- This industry credential is preferred for employment in the field a majority of the time is sought after by employers, candidates with this industry credential are likely to be given priority in hiring over others who do not hold it.
  - National Institute for Metalworking Skills (NIMS) Certification-Level 1 Measurement, Materials & Safety Exam, Level 1 Job Planning, Bench Work and Layout Exam, Level 1 Drill Press Skills Exam, Turning Operations-Between Centers and Chucking Skills, Level 1 Manual Milling Skills, CNC Turning Operator and Programming Exam, CNC Milling Operator and Programming Exam
  - NC3 Snap-on: Precision Measuring Micrometers, Torque - Theory, Torque - Mechanical, Torque - Electrical



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 09/25/2023

# Precision Machining

## CAREER PATHWAYS

- Machinist operator, CNC machinist, maintenance machinist, CTE teacher\*; knowledge obtained in this program is transferable to a broad spectrum of careers
- Entry level salary range: \$20.65 - \$ \$27.40 per hour\*\*

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

## LOCATION & HOURS

### West-MEC Central Campus - Building:

6997 N Glen Harbor Blvd  
Glendale AZ 85307  
623.209.8045

### Monday - Friday

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

**NOTE: West-MEC & high school calendars may not align & 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 school counselor for earlier deadlines for submitting applications to high school
- 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 to industry certifications.

## STUDENT SUCCESS INDICATORS

- History of good attendance and discipline, and on track for graduation
- Strong interest in chosen career pathway
- Strong hand-eye coordination and fine motor skills
- 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 elective credits per year; high school credits are awarded each semester)
- This program satisfies AZ university's admissions requirements. (AZ Board of Regents CTE/Fine Arts credit)



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