



BIOMEDICAL SCIENCE

TWO-YEAR PROGRAM - 900-hour program

- Solve medical mysteries by designing, conducting, and analyzing scientific experiments to prevent, diagnose, and treat disease.
- Experience hands-on activities in anatomy, cell biology, disease research, environmental science, and genetic engineering.
- Use cutting-edge technology to isolate, manipulate, and alter DNA in the creation of transformative organisms.

PROGRAM REQUIREMENTS*

- Current Sophomore, Junior and Senior students may apply
- One credit of English with a C or better
- One credit of Algebra I with a C or better
- One credit of Biology I with a C or better, transcript due to West-MEC by June 15th
- One credit of Algebra II with a C or better or concurrently enrolled during the first year of the program
- One credit of Chemistry with a C or better or concurrently enrolled during the first year of the program
- Copy of unofficial transcript including second-semester schedule
- Proof of residency in West-MEC district boundaries due at time of enrollment
- 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 application criteria does not guarantee enrollment.

IMMUNIZATION REQUIREMENTS

- Proof of current Immunizations OR an AZ State Exemption Form are required
 - If an AZ State Exemption Form is submitted, a West-MEC Acknowledgement Form must be signed.
- Immunizations may be required for externships in health care settings.
 - Some credentials in this program may require externship completion.
- Immunization may be required for employment in health care settings.

COST REQUIREMENTS

Upon enrollment into the program:

- \$150.00 non-refundable registration fee includes enrollment processing, supplies, leadership development, and 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, HOSA.
- 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 required for employment in the field a majority of the time
 - American Heart Association BLS CPR/AED
- 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
 - Biotechnician Assistant Credentialing Exam (BACE)
 - Occupational Safety & Health Administration-OSHA 10 Healthcare

Proof of Citizenship or Legal Permanent Residency may be required for credential testing.

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



CAREER PATHWAYS

- Biotechnician Assistant, Medical and Clinical Laboratory Technician Assistant*, microbiologists*, geneticists*, biomedical engineers*, medical investigators,* pathologists*, CTE teacher*
- Students work with the same tools used by professionals in hospitals and labs.
- Entry level salary range: \$12.50 - \$18.73 per hour**

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

LOCATION & HOURS

West-MEC Northwest Campus:

13201 W. Grand Avenue
Surprise, AZ 85374
623.877.6914

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 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 to industry certifications.

STUDENT SUCCESS INDICATORS

- History of good attendance and discipline, and on track for graduation
- Strong interest in chosen career pathway
- Strong understanding of the scientific process
- Strong hand-eye coordination with fine motor skills and stamina
- Comfortable performing animal dissections and handling bodily fluids
- 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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Revised 09/21/2023