



**Mission:** The mission of the Western Center Academy is to prepare all WCA learners to successfully complete a STEM degree at the university of their choice and attain a career in a STEM field.

**Vision:** Learners will be well-prepared for a STEM major and STEM career through a combination of rigorous, accelerated coursework; double-blocked science courses; Advanced Placement courses; articulated college courses; and dual enrollment college courses as well as opportunities for community service, project-based learning, educational outreach, technology integration, and working with practicing scientists and engineers.

**Goals:** Upon completion of the course of study at WCA, learners will have completed a minimum of:

6 years of Science  
4 years of Mathematics  
4 years of English  
3 years of Spanish  
3 years of History/Social Studies  
1 year of Visual and Performing Arts

9 Advanced Placement courses 20 units of college coursework
--

Simultaneously, students will also participate in “STEM Studio” courses where they will have the opportunity to work on long-term, collaborative STEM projects with local academic institutions and community stakeholders. Learners will also have the opportunity to complete additional college courses during their senior year. Learners will have access to leadership opportunities, academic competitions, and clubs to better prepare them for success at the university level.

To accomplish our goals, WCA challenges learners with an accelerated curriculum that blends honors, Advanced Placement, articulated college courses, as well as dual enrollment college courses.