

## Robert Ayala

Division Chair - Arts and Sciences  
Southwest Texas Junior College  
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### EDUCATION

Ph.D Educational Leadership and Policy Studies emphasis in Higher Education. University of Texas at San Antonio.  
Dissertation Title: Transfer Student Persistence at a Four-Year Institution.

M.S. in Biology. Angelo State University. Sep. 2006-May 2008

B.S. in Biology. University of Texas at San Antonio. Sep.1998-May 2002.

### COLLEGE TEACHING/EXPERIENCE

Division Chair of Arts and Sciences- Southwest Texas Junior College, Uvalde, TX  
Aug 2013- Present

Responsibilities include: Lead, support, and evaluate the work of faculty across various departments. Develop schedules to address student needs, conduct faculty evaluations, engage faculty in professional development, development and management of departmental budgets,

Make recommendations to the President and Vice President concerning the hiring, promotion, advancement, and retention of instructional personnel,

Development of Unit Action Plan (UAP) for English, Fine Arts, Sciences, Math, Humanities, Speech, Spanish, Nutrition, Engineering, and Philosophy

Work with administration and faculty to implement a college initiative of the 4DX, aimed at improving accountability and student success.

Worked closely with school districts in the service area to develop pathways for dual credit and early college high school.

Develop a new Associates of Science in Engineering Science program.

Lead the general education committee in the development, implementation, and updating of the new core curriculum for the institution

Continue to improve the student success and engagement of each department in the division with data driven decisions. Develop a strategic plan for each department.

Worked as a team member of the SACSCOC reaccreditation leadership team.

Served on both a SACSCOC off-site review team as well as on a SACSCOC on-site review team

Principle investigator for two Department of Education grants totaling \$2,000,000.

Perform any other administrative duties required by the institution.

Biology Instructor- Southwest Texas Junior College, Uvalde, TX Aug 2008-August 2013

Courses Taught: Biology 1408 ½Biology for Non-Science Majors I

Biology 1409 ½Biology for Non-Science Majors II

Biology 2401 ½Anatomy and Physiology I

Biology 2402 ½Anatomy and Physiology II

Biology 2421 ½Microbiology for Science Majors

Teaching Assistant- Angelo State University, San Angelo, TX Jan. 2007-May 2008

Courses Taught: Biology 1411 Lab -Biology for non-science majors

### PREVIOUS EXPERIENCE

Research Associate- Texas A&M University Research and Extension Center, Uvalde, TX

Dec. 2004 -Aug. 2006 P.I.- Dr. M. Keith Owens

Responsibilities included supervising a team of research assistants in setting up research projects in range management. Coordinated research sites, collection and analysis of data.

Project Manager- University of Texas at San Antonio Health Science Center at San Antonio. May 2002-Aug. 2004 P.I.- Dr. David Cappelli

Responsibilities included leading a team of research assistants in collecting and coordinating a multimillion dollar NIH grant for research in microbial flora of primates.

### HONORS AND AWARDS

½ National Science Teachers Association

½ Delta Sigma Phi Alumni Association

½ Society for College Science Teachers

½ Texas Community College Teachers Association

½ Quality Matters Online Training

½ Alliance of Hispanic Serving Institution Educators

## PUBLICATIONS

Ayala, R., C. Russell. 2008. Mastery of microscopy skills using different instructional methods. National Science Teachers Association National Meeting, Boston, MA. MS in print.

## PRESENTATIONS

Ayala, R., C. Russell. 2008. Mastery of microscopy skills using different instructional methods. National Science Teachers Association National Meeting, Boston, MA. MS in print.

Bendevis, M.A., M.K. Owens, J.L. Heilman, R. Ayala, K. McInnes. 2006. Environmental and canopy control of leaf level gas exchange of two evergreen tree species in a semiarid rangeland. American Geophysical Union Meeting, Baltimore.

Owens, M.K., R. Ayala, J.L. Heilman, J.F. Kjelgaard, and K. McInnes. 2006. Precipitation Pulses in a Tree Community: Contrasting Water Use Patterns by Co-Existing Trees. Society for Range Management. Vancouver, BC.

## RESEARCH EXPERIENCE

Ayala, R., C. Russell. 2008. Mastery of microscopy skills using different instructional methods. National Science Teachers Association National Meeting, Boston, MA. MS in print.

Bendevis, M.A., M.K. Owens, J.L. Heilman, R. Ayala, K. McInnes. 2006. Environmental and canopy control of leaf level gas exchange of two evergreen tree species in a semiarid rangeland. American Geophysical Union Meeting, Baltimore.

Owens, M.K., R. Ayala, J.L. Heilman, J.F. Kjelgaard, and K. McInnes. 2006. Precipitation Pulses in a Tree Community: Contrasting Water Use Patterns by Co-Existing Trees. Society for Range Management. Vancouver, BC.

Owens, M.K., G.W. Moore, and R. Ayala. 2005. Precipitation pulses in a saltcedar community: are they important? American Geophysical Union, San Francisco, CA.

## PROFESSIONAL DEVELOPMENT

### Committees and Commitments

½ General Education committee ½ Chair

½ Assessment committee- Committee member and appointed liaison for Division of Math and Science

½ SACS committee- General Education/Site visit Chairman

½ Curriculum Committee - Member

½ Co-Chair for the Student Government Association- Del Rio

½ Phi Theta Kappa Science Advisor

½ Supplemental Instruction Sponsor- (Developed and implemented SI for students in Del Rio)

½ SACSCOC Off-Site review committee member

½ SACSCOC On-Site review committee member

½ Assisted in writing two DOE grants

### Conventions

½ National Science Teacher Association ½ Boston April 2008 (presenter)

½ Southern Association of Colleges and Schools Commission on Colleges

Dates attended ½ Dec 2010, Dec 2011, Dec 2012, Dec 2013, July 2015 Leadership Institute

½ Southern Association of Colleges and Schools Commission on Colleges

Leadership Workshop Jan 2014

½ Alliance of Hispanic Serving Institution Education 2014, 2015, 2016, 2017

½ Uniform Guidance Workshop 2016