

Angela Chapman, Ph.D., Associate Professor of Science Education, Director of the UTRGV Engaged Scholarship and Learning Center

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Education:

- Ph.D., Curriculum & Instruction with Science Ed, University of South Florida, 2013
- M.S., Biological Sciences, University of Kentucky, 1994
- B.S., Zoology, Michigan State University, 1990

Employment History:

- 2020-Present (3 years), Director, Engaged Scholarship & Learning, The University of Texas Rio Grande Valley (UTRGV), TX
- 2016-Present (6 years), Co-Director, UTeach, UTRGV
- 2013-Present (9 years), Assistant to Associate Professor, University of Texas Rio Grande Valley (UTRGV) – formerly The University of Texas-Pan American (UTPA), Department of Teaching & Learning
- 2003-2013 (10 years), Instructor, Biology, Polk State College, Winter Haven, FL
- 2009-2010 (2 years), Science Teacher, Lake Region High School, Polk County Schools, Bartow, FL
- 2004-2007 (3 years), Science Teacher, Sleepy Hill Middle School, Polk County Schools, Bartow, FL
- 1999-2002 (4 years), Instructor, Biology, Lansing Community College, Lansing, MI

Relevant External Grants and Contracts as Principal/Co-Principal Investigator:

- “Center for Equity in Engineering: Engage, Educate, Enrich (CEE-E3),” NSF, Broadening Participation in Engineering, Award No. 2217780, **\$1,200,000. (Oct. 1, 2022 – Sep. 30, 2024)**
- “CREST Center for Multidisciplinary Research Excellence in Cyber-Physical Infrastructure Systems (MECIS),” NSF, Centers for Research Excellence in Science and Technology, Award No. 2112650, **\$5,000,000. (Sep. 1, 2021 – Aug. 31, 2026)**
- “Transforming Undergraduate Education in STEM Through Culturally Relevant Pedagogy and Community Engagement,” Sponsored by National Science Foundation, Federal, **\$1,480,002.00. (October 1, 2018 - September 30, 2023)**
- “Supporting the Preparation of Science and Mathematics Teachers in Rural South Texas,” Sponsored by National Science Foundation, **\$1,199,508. (August 1, 2018 - July 31, 2023)**
- “Project ACCESS: Acquisition of Curricular Content for Exceptional Success in Science,” Sponsored by Greater Texas Foundation, Individual, **\$89,000.00. (July 15, 2017 - June 30, 2020)**

Relevant Publications: * Graduate Co-Authors; ** Undergraduate Co-Authors

- Chapman, A., Alvarez McHatton, P. M. (2022). “It helps a lot to know Spanish!” Tapping into Latino/a learners’ native language to promote learning science. *International Handbook on Multicultural Science Education*, Springer.

- Chapman, A., Weimer, A., Trejo-Vasquez, A. C. (in press). Speaking My Language: The Effects of Teaching Undergraduate Freshmen Biology Courses Bilingually. *SN Social Sciences*.
- Chapman, A., Rodriguez, F.**, Pena, C., Hinojosa, E.**, Morales, L.**, del Bosque, V.**, Tijerina, Y.**, Tarawneh, C. (2019). Nothing is Impossible: Characteristics of Persistent Hispanic Females in STEM. *Cultural Studies of Science Education*. <https://doi.org/10.1007/s11422-019-09947-6>
- Chapman, A., Feldman, A. (2017). Cultivation of science identity through authentic science in an urban high school classroom. *Cultural Studies of Science Education*, 12(2), 469-491.
- Chapman, A., Ward, H. C., Tiwari, A., Weimer, A., Duran, J., Guerra, F., Sale, R. (2017). The Role of Language in Anatomy and Physiology Instruction. *American Biology Teacher*, 79(3), 184-190. <http://www.nabt.org/websites/institution/index.php?p=26>
- Chapman, A., Chila, A.*, McAllister, T.*, Aguilar, V.* (2016). Measuring Metabolism: Examining the Effects of Temperature on the Metabolic Rates of Beetles. *The Science Teacher*, 83(7), 55-60.
- Feldman, A., Chapman, A., Vernaza-Hernandez, V., Ozalp, D., Alshehri, F. (2012). Inquiry-Based Science Education as Multiple Outcome Interdisciplinary Research and Learning (MOIRL). *Science Education International*, 23(4), 328-337.

Relevant External Service:

- (2022-Present) Chair, Latino/a Research Interest Group (LARIG), National Association for Research in Science Teaching
- (2021-Present) Strand Coordinator, National Association for Research in Science Teaching
- (2020-2022) Member, USEA Equity and Racial Justice Leadership