

Steven Boot Chumbley

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Bishop, Tx 78343
210-383-6329

Education

- Doctorate  **Texas Tech University** August 2011
Agricultural Education
Dissertation: *Texas Agriscience Teacher's Confidence Levels in Integrating Science in the Agricultural Education Curriculum*
Completed coursework towards Texas Superintendent Certification
- Masters  **Texas A&M University-Kingsville** August 2009
Educational Administration
Master's Thesis: *A Comparison of Teacher and Administrator Perceptions of Motivational Factors for Career and Technology Educators*
Texas Principal Certificate, Instructional Leadership Development (ILD) and Professional Development and Appraisal (PDAS) Certifications, TTES (Texas Teacher Evaluation System)
- Bachelors  **Texas A&M University** May 2005
Agriculture Science
Texas Teacher Certification: Production Agriculture, Horticulture

Professional Experience

- August 2015- **Texas A&M University-Kingsville**
Tenured Full Professor (August 2024 to Present)
Tenured Associate Professor 2019-2024
Assistant Professor Aug. 2015-2019
- Undergraduate Courses Taught
AGRI 4350 Collective Leadership in Agriculture
AGSC 1352 Introduction to Agricultural Mechanics
AGSC 1451 Welding & Metal Fabrication
AGSC 3352 Farm Power and Machinery
AGSC 3367 Agricultural Science Teaching
AGSC 4353 Rural Building Requirements
AGSC 4361 Methods & Materials in Technical Classroom Management
AGSC 4666 Student Teaching in Agriculture Science
EDED 3304 Methods of the Teaching Profession

Graduate Courses Taught

AGSC 5306 Graduate Thesis
AGSC 5312 Facilities Management (*Hybrid Course*)
AGSC 5390 Diffusion of Innovations (*Online Course*)
AGSC 5395 Graduate Research Project
AGSC 5399 Statistical Evaluation Strategies in Ag (*Online Course*)
Led creation of online masters in agriculture science program

August 2011 to
August 2015

Assistant Professor, Eastern New Mexico University

Agricultural Education and General Agriculture Courses Taught

AG 103 Freshmen Orientation
Ag 202 Introduction to Agriculture Education
AG 203 Crop Production
AG 204 Soil Science
AG 221 Introduction to Horticulture
AG 231 Methods of Teaching Metal Fabrication
AG 275 Rural Structures
AG 280 Teaching Engines and Power Units
AG 304 Integrated Pest Management (*PPA Certification Course*)
AG 315 Advanced Horticulture
AG 331 Forage Crops and Pastures
AG 394 Professional Leadership Development
AG 415 Teaching in an Advanced Laboratory Setting
AG 480 Teaching Methods in Agricultural Education
AG 493 Philosophy and Practice of Career Development Events
AG 494 Senior Seminar in Agriculture (*Capstone Course*)

General Education and Educational Administration Courses

UNIV 101 Introduction to College for Educators
EDF 301 Foundation of Education (*undergrad online course*)
SED 460 Secondary Student Teaching
EDAD 526 Educational Leadership (*graduate level online course*)

Director of Agriculture Dual Enrollment (2013-2015)

- .25 FTE Administrative Assignment
- Collaborated with New Mexico agricultural science teachers, school administrators and counselors in offering dual enrollment courses to students throughout the state.
- Under my direction program grew from 220 students to 845 students year
- Accounted for over 2,400+ university student credit hours

August 2009 to
August 2011

Graduate Teaching/Research Assistant

Texas Tech University- Lubbock, Texas
Department of Agricultural Education and Communications

Teaching Assistant

AGED 4304 Student Teaching Block
AGED 3331 Agriculture Youth Leadership Organizations

- July 2008 to August 2009 **Agriculture Program Coordinator**
 Bandera Independent School District-Bandera, Texas
- District administrator and supervisor of agriculture career and technology program at middle and high school campuses
 - Managed program budget and supervised multiple teachers along with FFA student organization
- July 2005 to July 2008 **Agriculture Science Teacher**
 Burbank High School, San Antonio Independent School District
 San Antonio, Texas
- Taught multiple agriculture science and leadership courses
 - Supervised swine breeding program and school farm
 - Supervised FFA student organization with a diverse inner-city student population

Certifications and Training

Meyers Briggs Type Indicator Personality Test (MBTI) *Certified Administrator*

True Colors Leadership & Personality Test *Certified Administrator*

Intercultural Development Inventory (IDI) *Certified Administrator*

Intercultural Conflicts Style (ICS) *Certified Administrator*

Peer-Reviewed Journal Articles

Wells, T., **Chumbley, S. B.**, & Bird, W. (2024). Learning by doing: Engaging in project-focused professional development. *The Agricultural Education Magazine*, 97(2), 31-35.

Bhandari, A., **Chumbley, S.B.** & Turner, B (2023) Assessing student and coach learning experiences with virtual collegiate soil judging contest during Covid-19 pandemic. *Educ. Sci.* 13(7), 717. doi.org/10.3390/educsci13070717

Wells, K.W., Solomonson, J., Hainline, M.S., Rank, B, Wilson, M., Rinker, S. and **Chumbley, S.B.** (2023) What Technical Agriculture Skills Do Techers Need to Teach Courses in Animal Systems Pathway? *Journal of Agricultural Education* 63(3) 100-116

Wells, K.W., Hainline, M.S., Rank, B, Wilson, M., Rinker, S. and **Chumbley, S.B.** (2022) What Technical Agriculture Skills Do Teachers Need to Teach Courses in Plant Systems Pathway? *Journal of Agricultural Education* 63(3), 100-116

Chumbley, S.B., Hainline, M., Haynes, C. & Wells, T. (2022) Students Motivation to Learn Science Through Undergraduate-level Agriculture Coursework *Journal of Agricultural Education* 63(1), 182-199 doi: 0.5032/jae.2022.01182

Chumbley, S.B. Hainline, M. & Chumbley, T. (2022) The Historical Development of Agricultural Magnet Schools in the Alamo City Texas *Journal of Agriculture and Natural Resources* 34, 37-47

Wells, T., Hainline, M., Rank, B., Sanders, K. & **Chumbley S.B.** (2021) A Regional Study of the Agricultural Mechanics Knowledge and Skills Needed by School-based Agricultural Education Teachers *Journal of Agricultural Education* 60 (1), 59-79 DOI: 10.5032/jae.2019.01059

Turner, B., Wuellner, M., Cortus, E. & **Chumbley, S.B.** (2021) A multi-university cohort model for teaching complex and interdisciplinary problem-solving using system dynamics *Systems Research and Behavioral Science* 1-5. DOI: 101002/sres.2788

Wells, T., Hainline, M., Rank, B., Sanders, K. & **Chumbley S.B.** (2021) School-based Agricultural Education Teachers' Experiences During a Year-long Field Test of the CASE Mechanical Systems in Agriculture (MSA) Curriculum *Journal of Agricultural Education* <http://doi.org/10.5032/jae.2021.01312>

Tinsley, T., **Chumbley, S.**, Machen, R. & Turner, B. (2019) Managing cow herd dynamics in environments of limited forage productivity and livestock marketing channels: an application to semi-arid island beef production using system dynamics. *International Systems Dynamics* 173, 79-93 DOI: 10.1016/j.agtsy.2019.02.014

Chumbley, S.B., Hainline, M. & Wells, T. (2019) Identifying Post-Secondary Agricultural Students' Safety Climate Attitudes in the Agricultural Mechanics Laboratory *Journal of Agricultural Education* 60(2), 54-68 DOI: 10.5032/jae.2019.02054

Chumbley, S.B., Hainline, M., Russell, M. & Ruppert, D. (2019) Teachers' Confidence to Integrate Biology in Agriscience Courses. *Journal of Agricultural Education* 60 (1) 145-157 DOI: 10.5032/jae.2019.01145

Chumbley, S. B., Finney, W. B. & Russell, M. (2018) Measuring Critical Thinking Ability of Veterinary Technology Majors *Journal of Veterinary Technology Education*, 2, 6-8

Chumbley, B., Hainline, M. & Haynes, J.C. (2018) Agricultural Mechanics Laboratory Safety Practices in South Texas *Journal of Agricultural Education* 59(3), 309-323 DOI: 10.5032/jae.2018.03309

Chumbley, B., Haynes, J.C., Hainline, M. & Sorenson, T. (2018) Online Self-Regulated Learning in Agriculture *Journal of Agricultural Education* 59(1), 153-170 DOI: 10.5032/jae.2018.01153

Russell, M., **Chumbley, S.B.**, & Bell, N. (2018) A Measure of Science Motivation in an Introduction to Animal Science Course, *Journal of Animal Science* 96 (1) DOI: 10.1093/jas/sky027.137

Chumbley, B., Hainline, M & Haynes, J.C. (2018) Administrator Perceptions of an Agriculture Dual Enrollment Program. *Journal of the North American College Teachers of Agriculture (NACTA)* 62, 1-19

Hainline, M., Sorenson, T. & **Chumbley, S.B** (2017) Perceived Self-Efficacy of Pre-Service Agricultural Science Teachers toward Agricultural Mechanization *Journal of Agricultural Systems and Technology*, 29, 1-14

Chumbley, S. B. (2016) The Impact of a Career and Technology Education Program *SAGE Open* 1-9. DOI:10.1177/2158244016678036

Chumbley, S. B., Haynes, J. C. & Stofer, K. (2015) A Measure of Students' Motivation to Learn Science through Agricultural STEM Emphasis *Journal of Agriculture Education*, 56 (4) 107-122 DOI: 10.5032/jae.2015.0410 * **Winner Journal of Agricultural Education Article of the Year**

Chumbley, S. B. (2015) Taking Advantage of the STEM in Your Agriscience Courses. *The Agriculture Education Magazine*, 48, 12-19.

Chumbley, S. B (2015) Laboratory Safety Practices of New Mexico Agricultural Science Teachers. *Journal of Agricultural Systems, Technology, and Management* 26(5), 1-13

Chumbley, B. & Schuster, G. (2015) Career Interests of Agriculture Dual Enrollment Students. *Journal of the North American College Teachers of Agriculture (NACTA)*, 59(1), 87-89

Chumbley, S. B. (2015) The Benefits of a Hybrid Dual Enrollment CTE Course. *Techniques*, 90(4), 27-33

Haynes, J. C., Gill, B. E., **Chumbley, S. B.** & Slater, T. F. (2015). A cross-case comparison of the academic integration human capital pre-service agricultural educators retain prior to their teaching internship. *Journal of Agricultural Education*, 55(5). 191-206. DOI: 10.5032/jae.2014.05191

Grants and Extramural Funding

Funded External Federal & Private Grants

(2025) USDA-NIFA-HEC Teaching Leadership in Agriculture; Rucker, J., Cox, C. & **Chumbley, S.B.** \$291,395

(2025) Cultivating Leadership Education, Advocacy Development (LEAD) for Pre-Service Teachers in AFNR. Hainline, M., Nair, H., Ritz, R. & **Chumbley, S.B.** USDA-NLGCA \$742,995

(2024) USDA-NIFA-HEC Training Faculty Through Wicked Problem-Solving Turner, B., Wuellner, M., Cortus E. & **Chumbley, S.B.** \$739,000

(2024) *Agricultural Construction Laboratory Improvement*, USDA-NLGCA Borges, B. & Anderson, R. \$400,000 (Project Evaluator \$12,000).

(2023) TPWD COOP Grant **Chumbley, S.B.** \$57,100

(2022) EPA-EE360+ Mini Grant through the Association of Wildlife and Fisheries-Teaching WILD in Agriculture \$3,000

(2022) AAAE Travel Support Grant. Wells, K.T. & **Chumbley, S.B.** \$1,250

(2021) Go Start Now USDA-HSI. Stanko, R., Nelson, S., **Chumbley, S.B.**, et al. \$975,026

(2021) King Ranch Foundation Grant \$250

(2020) Teaching Agriculture Communications for Career Success (*TACCS*), USDA-NIFA-HEC. Rucker, J., **Chumbley, S.B.**, Graham, D., Miller, J. & Cox, C. \$296,674

(2020) Higher Education Agricultural Technology (*HEAT*) Training, USDA-NIFA-HEC. **Chumbley, S.B.** & Hainline, M. \$296,301

(2019) King Ranch Foundation Grant \$500

(2018) Wildlife Education & Sustainability Training (*WEST*) Program, USDA Higher Education Challenge Grant; **Chumbley, S.B.**; Conkey, A & Glasscock, S. \$299,271

(2018) Enhancing Agriculture Mechanics Education & Curriculum in Higher Education (Ag MECH Ed) USDA- Non-Land Grant College of Agriculture (NLGCA) **Chumbley, S. B.** \$147,574

(2018) Beyond WILD: Wildlife Ecology and Management Experiential Learning and Leadership Program, USDA-AFRI Professional Development of Secondary Teacher Education Program (PD-STEP) **Chumbley, B.**, Conkey, A. & Hilton, C. \$147,386

(2018) Curriculum Development for Wicked Problem-Solving Turner, B. PI, **Chumbley, S. B. (CO-PI)**, Wuellner, M., Rhoades, R. & Cortus, E. USDA Higher Education Challenge Grant \$288,500

(2017) King Ranch Foundation Mini Grant Application \$500

(2015) Sustainable Food Production Preparation and Education for the Prevention of Childhood Obesity and Experiential Learning for Undergraduates, USDA-HSI Grant: \$249,980. **Content Expert** (\$14,700)

(2014) United States Department of Agriculture Higher Education Challenge (HEC) Grant: Increasing College Access to Underrepresented Students through Dual Enrollment **Chumbley, S.B.** \$149,550

(2011) Project Learning Tree's *Greenworks!* Grant; Broz, C. & **Chumbley, B.** (CO-PI) \$3,000

(2009) San Antonio Livestock Exposition (SALE) Education Grant \$16,000

(2008) San Antonio Livestock Exposition (SALE) Education Grant \$10,000

Funded Internal Grants

(2025) TAMUK Course Redesign Award Research Proposals in Ag Mechanics Nowak, Z. & **Chumbley, S.B.** \$3,500

(2024) Title V: Course Redesign Grant \$5,250

(2022) Title V: Course Redesign Grant \$2,500

(2021) Faculty Course Redesign, Undergraduate Research in Agricultural Mechanics, Title V Fostering Pathways to Success (FP2S). \$2,500

(2020) McNair Faculty Sponsor- Adan Martinez- Project: Enhancing Wildlife Education in AGED through Project WILD \$2,750

(2020) TAMUK Course Redesign Award \$2,500

(2019) McNair Faculty Sponsor- Miranda Ventura- Project: Enhancing Wildlife Education in AGED through Project WILD \$2,750

(2018) Swinging to Success in Service Learning -TAMUK University Service-Learning Grant \$6,320

(2018) TAMUK University Research Grant- Using 360 VR Video to Improve Student Learning \$10,090

(2017) Service Learning in Agriculture Mechanics, TAMUK Service-Learning Grant \$6,080

(2017) Texas A&M University-Kingsville Retention Grant \$550

(2016) Texas A&M University Kingsville Co-Curricular Service-Learning Project: Improving Undergraduate Leadership Skills Through Service Learning \$5,840

(2016) Increasing Students Agricultural Science Skills Through Service Learning, Texas A&M University-Kingsville Service-Learning Grant \$6,000

(2014) ENMU Internal Research Grant- Does Dual Enrollment Participation Increase Student Critical Thinking Ability? \$2,998

(2013) ENMU Internal Research Grant- Measuring the ENMU Student Teacher Co-Hort Level of Science Motivation \$3,000

(2012) ENMU Internal Research Grant- Benefits of Science Integration in New Mexico Agriculture \$3,000

(2011) ENMU College of Education and Technology Grant- Measuring Teachers' Ability to Integrate Science in Agriculture Education \$2,800

Honors & Awards

2025- USDA E. Kika De La Garza Education Fellow- National USDA Fellowship, Washington, D.C.

2024 - Caring Campus Faculty Leaders Co-Hort Inductee

2024- A&M Kingsville Piper Professor Award Nominee

2022- Faculty senate leadership as Parliamentarian

2022 Texas A&M System- Chancellors Academy of Teacher Educators Award

2022 College of Agriculture and Natural Resources Senior Researcher Award

2019 American Association of Agricultural Educators Leadership Academy Fellow

2018 Junior Faculty Teaching Award- Texas A&M University-Kingsville College of Agriculture

2018 Student Club and Advisor of the Year- Agricultural Mechanics and Technology Club Texas A&M University-Kingsville College of Agriculture

Selected as a Research Fellow for the 2016 USDA/National Center for Atmospheric Research (NCAR)- Climate Change, Global Food Security and the U.S. Food System Research Program

2016 Article of the Year- Journal of Agricultural Education

2014 Advisor of the Year- Collegiate FFA, Eastern New Mexico University

Professional Organizations

American Association of Agriculture Educators (AAAE)

Agriculture Teachers Association of Texas (ATAT)

North American College Teachers of Agriculture (NACTA)

National Association of Teacher Educators

Texas Association of Teacher Educators (TAXTE)

Service

Member- University Undergraduate Curriculum Committee, AAES Graduate Curriculum Committee, College AGNR Recruitment Committee

Research Committee Chair- AAAE Western Region (2025)

Chair- AGSC Search Committee (2022 & 2023)

Chair- College Tenure & Promotion Committee (2021 & 2023)

Chair (2022-present)- Texas University Agriculture Teacher Educator Committee (state level)

Chair (2022-2023)- American Association of Agricultural Educators (AAAE) National Member Services Committee

PSJA ISD Advisory Council- Member of Career & Technology Advisory Council

Faculty Senate- Member & Chair of Elections Committee

Member/Chair- Member 2017 & 2018, 2019-2021 Chair University Library Committee

Committee Chair (2019-2022)- Texas FFA State Degree Check- Star Greenhand Agribusiness & Star Chapter Production Committees

Co-Coordinator- State Agricultural Mechanics CDE

Coordinator (2016-present)- TAMUK Agricultural Mechanics Show (330+ high school participants annually)

Editorial Committee (2017-2020)- TAMUK Undergraduate Research Journal

Advisor (2015-Present)- TAMUK Alpha Tau Alpha Agriculture Education Honors Student Organization & TAMUK Agriculture Mechanics Club

Co-Coordinator TAMUK Agriculture Leadership Development Events (LDE)

Co-Coordinator Texas FFA Area X Leadership Development Events

TAMUK- *Committee Member-* university undergraduate research journal, university general education committee, College of Agriculture & Natural Resources Tenure and Promotion Committee, Department of Agriculture, Agribusiness and Environmental Science Ag Business faculty search committee

ENMU- *Committee Member-* Grade Appeal Committee Chair, Faculty Member Search Committee, University Technology Committee and Distance Education Committee

Presentation Facilitator- Regional and National AAAE conferences 2010- Present

Advisor- ENMU Collegiate FFA Student Organization 2011-2015

Agriculture Dual Enrollment Program Facilitator 2011 - 2015

*Coordinator-*Eastern New Mexico University Career Development Events 2011-2015

Coordinator- New Mexico FFA State Land Judging

Reviewer- Journal of Agricultural Education 2012- Present

Judge- San Antonio Livestock Show Junior Agriculture Mechanics Contest
2010-Present, Hays County Agriculture Mechanics Show 2017-2019,
Fredericksburg Ag Mechanics Contest 2017-Present, Nueces County Ag
Mechanics Show 2018-Present

Presenter- ENMU Bi-Annual Pre-Service Teacher Meeting 2010- Present

Co-Coordinator- TX Area I and II Agriculture Mechanics CDE Contest April 2010

Coordinator- Agriculture Mechanics CDE Training Workshop March 2010

Social Chair- Agriculture Education and Communications Graduate Organization
Spring 2010- Spring 2011

Judge- FFA LDE and CDE Contests ranging from district to state levels in TX and NM
Fall 2005 to Present

President- Texas A&M University Collegiate FFA 2004-2005

Advertising Editor- Agrileader Texas A&M University College of Agriculture Monthly
Publication Fall 2004