

P. Ryan Saucier, Ph.D.
Associate Professor of Agricultural Engineering Technology
School of Agricultural Sciences
College of Science and Engineering Technology
Sam Houston State University

I. Education

Doctor of Philosophy

University of Missouri

Columbia, Missouri

Major: Agricultural Education

Concentration: Agricultural Systems Management

Dissertation Title: *Level of Influence of Selected Factors Upon Missouri Agricultural Education Teachers' Choice To Instruct Agricultural Mechanics Curriculum*

Advisor: Dr. Rob Terry, Jr.

May 2010

Master of Science

Sam Houston State University

Huntsville, Texas

Major: Agriculture

Concentration: Agricultural Mechanization

Advisor: Dr. Billy Harrell

May 2004

Bachelor of Science

Sam Houston State University

Huntsville, Texas

Major: Agricultural Business

Minor: Agricultural Mechanization

December 2001

II. Professional Experience

a. University Experience

Position	Institution	Date(s)
Associate Professor of Agricultural Engineering Technology	Sam Houston State University School of Agricultural Sciences	September 2018 - present
Assistant Professor of Agricultural Engineering Technology	Sam Houston State University Department of Agricultural Sciences	August 2015 – August 2018
Assistant Professor of Agricultural Education/ Agricultural Systems Management	Texas State University Department of Agriculture	June 2010 - August 2015
Lecturer and Graduate Teaching Assistant	University of Missouri Department(s) of Agricultural Education and Agricultural Systems Management	August 2007 - May 2010
Lecturer and Graduate Teaching Assistant (Agricultural Mechanization & Horticulture)	Sam Houston State University Department of Agriculture	August 2002 - December 2003; June 2004

II. Professional Experience (continued)

b. Additional Relevant Professional Experience

Position	Date(s)
Workshop Developer & Lecturer Title: <i>Teaching Agricultural Mechanics Curriculum</i> University of Missouri Columbia, Missouri 65211	July 2009
Workshop Developer & Lecturer Title: <i>Horticulture Certification Workshop</i> Sam Houston State University Huntsville, Texas 77341	June 2007
Agricultural Science Teacher C.E. King Junior High/ High School Houston, Texas 77044	July 2005 - May 2007
Agricultural Science Teacher City View Junior High/ High School Wichita Falls, Texas 76306	July 2004 - June 2005
Agricultural Science Student Teacher Klein Forest High School Houston, Texas 77066	January 2004 - May 2004

c. Other Professional Credentials

- State of Texas Teaching Certification, Vocational Production Agriculture, 2004 to present
- Visual weld inspection and welder qualification and certification, TX-WP-1-07 & ASNT – TC – 1A, Huntsville, TX (December 2019)
- American Welding Society, Tack Welder Qualification, AWS D1.1, SMAW, Huntsville, TX (December 2019)
- American Welding Society, Sheet Metal Welder Qualification, AWS D9.1, SMAW, Huntsville, TX (December 2019)
- American Petroleum Institute 577/ American Society of Mechanical Engineers Section IX – QW-462.4(b), Structural Welder Qualification, Huntsville, TX (December 2019)

III. Teaching Experience

a. Summary of Courses Taught

Sam Houston State University, College of Science and Engineering Technology, School of Agricultural Sciences

Year	2020			2021			2022			2023		
Semester/Courses	Sp	Su	F	Sp	Su	F	Sp	Su	F	Sp	Su	F
AGET 2303	X		X	X		X	X		X			
AGET 3300										X		
AGED 3310		X			X			X			X	
AGED 3320						X						
AGET 3386				X								
AGET 4381			X				X		X	X		
AGET 4384										X		
AGET 4393			X						X			
AGET 4396		Xa			Xb			Xa			Xb	

Year	2015	2016			2017			2018			2019		
Semester/Courses	F	Sp	Su	F	Sp	Su	F	Sp	Su	F	Sp	Su	F
AGET 2303	X	X		X	X		X	X		X	X		X
AGED 3310			X			X			X			X	
AGET 3386											X		
AGET 4381										X			X
AGET 4390		X			X			X					
AGET 4392			X			X			X				
AGET 4393	X			X			X						

Note. **Sp** = Spring, **Su** = Summer, **F** = Fall. AGET = Agricultural Engineering Technology (undergraduate; graduate = *)

III. Teaching Experience (continued)

a. Summary of Courses Taught (continued)

Texas State University, College of Applied Arts, Department of Agriculture

Year	2010		2011			2012			2013			2014		
Semester/ Courses	Su	F	Sp	Su	F	Sp	Su	F	Sp	Su	F	Sp	Su	F
AG 2373		X	X		X	X	X	X	X	X	X	X	X	X
AG 2374		X			X			X			X			X
AG 3310	X							X			X			
AG 3353											X			X
AG 3375									X			X		
AG 4185	X							X	X			X	X	
AG 4343			X			X								
AG 4361									X			X		
AG 4371B				X						X			X	
AG 5370 *								X			X			X
AGED 5314*					X			X						X
AGED 5318*		X												
AGED 5319*							X							
AGED 5320*	X													
AGED 5330*					X									
AGED 5335*						X								
AGED 5371D*			X											
AGED 5371E*		X												
AGED 5399A*								X				X		
AGED 5399B*									X	X		X	X	

Note. **Sp** = Spring, **Su** = Summer, **F** = Fall. AG = Agriculture (undergraduate; graduate = *), AGED = Agricultural Education (graduate*).

III. Teaching Experience (continued)

a. Summary of Courses Taught (continued)

Texas State University, College of Applied Arts, Department of Agriculture

Year	2015
Semester/ Courses	Sp
AG 2373	X
AG 2374	
AG 3310	
AG 3353	
AG 3375	X
AG 4185	
AG 4343	
AG 4361	
AG 4371B	
AG 5370 *	
AGED 5314*	
AGED 5318*	
AGED 5319*	
AGED 5320*	
AGED 5330*	
AGED 5335*	
AGED 5371D*	
AGED 5371E*	
AGED 5399A*	
AGED 5399B*	

Note. Sp = Spring, Su = Summer, F = Fall. AG = Agriculture (undergraduate; graduate = *), AGED = Agricultural Education (graduate*).

III. Teaching Experience (continued)

b. Agricultural Engineering Technology/ Agricultural Education Courses Developed and Instructed

Sam Houston State University (Undergraduate)

To date at Sam Houston State University, I have prepared and developed curriculum for 4 undergraduate agricultural engineering technology courses and 2 agricultural education courses. These courses included:

Agricultural Engineering Technology 2303 – Introduction to Agricultural Mechanization and Engineering (AGET 2303)

Catalog course description: Introduction to current and emerging topics and industry related to agricultural engineering technology. Topics covered include: bio-diesel, wind energy, GPS/GIS applications, nanotechnology, theory of fusion of metals, efficiency of internal combustion engines, and other technology-related subjects.

Improvements/ Outcomes: Redesigned course to meet business and industry stakeholder needs, incorporated more STEM-based labs that integrate technical skills, required a research paper written over emerging technology in the agricultural engineering sector.

Agricultural Engineering Technology 3386 – Agricultural Structures and Environmental Controls (AGET 3386)

Catalog course description: Functional requirements of agricultural buildings; valuation, appraisal and estimating; structural requirements of agricultural buildings; planning and designing major service and processing buildings. Topics discussed will include thermodynamics, confined livestock housing, and environmental controls.

Improvements/Outcomes: Redesigned course to meet business and industry stakeholder needs, incorporated more individual/small team based STEM-based projects that integrate technical skills, planning, teamwork, and the use of STEM technology.

Agricultural Engineering Technology 4381 – Advanced Agricultural Mechanics (AGET 4381)

Catalog course description: This course serves as a capstone course for agricultural science students with previous experience in the area of agricultural engineering technology. Teams will address and solve a complex problem and as a result may design and construct a building, trailer, or other equipment in the laboratory.

Improvements/Outcomes: Redesigned course to meet business and industry stakeholder needs, incorporated more individual/small team based STEM-based projects that integrate technical skills, planning, teamwork, and the use of STEM technology.

III. Teaching Experience (continued)

b. Agricultural Engineering Technology/ Agricultural Education Courses Developed and Instructed

Sam Houston State University (Undergraduate; continued)

Agricultural Engineering Technology 4384 – Fusing & Joining of Metals & Non-Metals (AGET 4384)

Catalog course description: Students engage in a comprehensive study of the theories, principles, and procedures of bonding and fusing metallic and non-metallic materials by the electric arc, oxy-fuel, and adhesive processes. Technical classroom instruction, laboratory exercises, and field trip experiences involve selection and utilization of new and emerging technologies and equipment, workplace planning, supervision, and management.

Improvements/Outcomes: Redesigned course to meet business and industry stakeholder needs, incorporated more STEM-based labs that integrate technical skills that require students to meet industry-based AWS certifications, required using of STEM-based welding and testing technology.

Agricultural Engineering Technology 4390 – Turf and Cropland Irrigation and Drainage (AGET 4390)

Catalog course description: Design and selection of surface or sub-surface irrigation and drainage systems for golf courses, greenhouses, sports fields, crops, landscape applications, and construction sites. Principles of pressurized irrigation systems including crop water requirements, soil moisture, irrigation scheduling, sprinkler irrigation, trickle irrigation, pumps, pipelines, and irrigation wells will be covered. Writing enhanced.

Improvements/ Outcomes: Redesigned course to meet business and industry stakeholder needs, incorporated more STEM-based labs that integrate technical skills, required a research paper written over emerging technology in the agricultural engineering sector, required a STEM-based irrigation design project, required a professional presentation.

Agricultural Engineering Technology 4392 – GPS Applications in Agriculture and Construction (AGET 4392)

Catalog course description: Global positioning and geographic information system software and equipment will be applied in settings involving precision farming and construction. Writing enhanced.

Improvements/ Outcomes: Redesigned course to meet business and industry stakeholder needs, incorporated more STEM-based labs that integrate technical skills, required a research paper written over emerging technology in the agricultural engineering sector, required a professional presentation.

III. Teaching Experience (continued)

b. Agricultural Engineering Technology/ Agricultural Education Courses Developed and Instructed

Sam Houston State University (Undergraduate; continued)

Agricultural Engineering Technology 4393 – Renewable Energy Sources for Agriculture (AGET 4393)

Catalog course description: This course will familiarize students with existing and potential alternative energy sources and production capacities including wind, solar, bio-mass conversion, hydrogen, ethanol, vegetable oil, and bio-diesel. Impacts on the environment, ecological systems, world food supply, and economy will be studied.

Improvements/ Outcomes: Redesigned course to meet business and industry stakeholder needs, incorporated more STEM-based labs that integrate technical skills, required a research paper written over emerging technology in the agricultural engineering sector, required a professional presentation over emerging technology, students also gain 4 industry based certificates.

Agricultural Engineering Technology 4396a – Agronomic Crop Technology (AGET 4396 – Special Topics)

Catalog course description: The identification of crop pests, chemical information and storage, application methods and technology, safety, and laws.

Agricultural Engineering Technology 4396b – Grain Handling, Management, and Safety (AGET 4396 – Special Topics)

Catalog course description: The harvesting, transportation, handling, storage, and safety involved in the grain and hay crops industry. Also, a focus is on the storage and management of grain facilities.

Agricultural Education 3310 – Teaching Ag Technology (AGED 3310)

Catalog course description: Methods in delivering instruction in agricultural technology. Principles in managing high school agricultural mechanics laboratories in a safe and efficient manner. Intended for SED minors. Junior standing. Approval by Instructor.

Improvements/ Outcomes: Redesigned course to meet education stakeholder needs, incorporated more STEM-based labs that integrate technical skills, required a laboratory management plan written for a school-based agricultural science program, required TEKS based lesson plan over agricultural mechanics instruction, required students to interview stakeholders, required students to use technology to record and critique their efforts to instruct an agricultural mechanics skill.

III. Teaching Experience (continued)

b. Agricultural Engineering Technology/ Agricultural Education Courses Developed and Instructed

Sam Houston State University (Undergraduate; continued)

Agricultural Education 3320 – The Secondary Agricultural Education Program (AGED 3320)

Catalog course description: This course is designed to develop competencies of secondary agricultural education teachers to teach essential knowledge and skills in agricultural business, agricultural mechanization, animal science, and horticulture, plant, and soil science. CISE minors only.

Improvements/ Outcomes: Redesigned course to meet education stakeholder needs regarding the fundamental knowledge required of Texas Agriculture, Food, and Natural Resource teachers concerning the theories and facts concerning Texas AFNR programs, the FFA, and responsibilities of an AFNR educator and FFA advisor. Implemented guest speakers, program visits, and a portfolio project. Additionally, implemented a “best practices” review utilizing the Agricultural Education magazine.

Texas State University

At Texas State University, I prepared and developed curriculum for 10 graduate agricultural education courses and 10 undergraduate agricultural systems management courses. These courses included:

Agriculture 2373 – Introduction to Agricultural Engineering (AG 2373)

Catalog course description: An introductory course designed to acquaint students with a wide range of concepts, principles and applied technologies in agricultural engineering. A problem-solving course.

Agriculture 2374 – Metal Fabrication and Welding Technology for Agriculture (AG 2374)

Catalog course description: Principles and practices of applied metallurgy and welding. The course emphasizes the management of the technologies and techniques associated with: Oxy-fuel welding and cutting, Shielded Metal Arc Welding (SMAW), Gas Tungsten Arc Welding (GTAW), Gas Metal Arc Welding (GMAW), and Plasma Arc Cutting (PAC).

III. Teaching Experience (continued)

b. Agricultural Engineering Technology/ Agricultural Education Courses Developed and Instructed

Texas State University (Undergraduate; continued)

Agriculture 3310 – Agricultural Power and Machinery Technology (AG 3310)

Catalog course description: To include principles of 2 stroke and 4 stroke cycle engines, ignition and combustion types including injection systems. Components including power and power transmission and hydraulic systems will be addressed.

Agriculture 3353 – Agriculture Structures and Environment (AG 3353)

Catalog course description: Principles and practices associated with structural components, selection, materials of construction, heat and moisture control, and the environmental issues of waste management systems; a problem solving course.

Agriculture 3375 – Management of Agricultural Machinery and Equipment (AG 3375)

Catalog course description: The optimization of the equipment phases of agricultural production and processing. Emphasis will be placed on management and decision making principles concerned with the efficient selection, operation, repair, maintenance, and replacement of machinery and equipment.

Agriculture 4185 – Current Problems in Agriculture (AG 4185)

Catalog course description: A course for advanced undergraduates to study subject matter of special interest in agriculture. Problems in agronomy, economics, animal science, plant science, and farm mechanics may be selected.

III. Teaching Experience (continued)

b. Agricultural Systems Management Courses Developed and Instructed (Undergraduate)

Agriculture 4343 – Organization and Management for Laboratory Programs (AG 4343)

Catalog course description: Instructional programs involving laboratory equipment and facilities will be examined. Curriculum, teaching methods, equipment and facility management practices including various aspects of safety, tool management, inventory and security, are emphasized along with facilities layout and planning. Must be taken in last semester of program.

Agriculture 4361 – Agriculture Electric and Mechanical Systems (AG 4361)

Catalog course description: Electrical fundamentals applied to agricultural production and processing. Circuits, power, energy, wiring design, and motor fundamentals; selection, installation and operational characteristics. Sensors and control devices including switches, relays, timers, and circuit breakers will be studied.

Agriculture 4371B – Agricultural Irrigation Technology (AG 4371B)

Catalog course description: Principles associated with water management practices in maintaining soil productivity and the influence of water management on environmental quality. Emphasis will be placed on the selection and layout of irrigation and drainage systems, waste management systems, and the impact on the environment.

Agriculture 5370 – Problems in Technical Agriculture (AG 5370)

Catalog course description: A conference course. Problems will be selected to meet the needs of the individual student. May be repeated for additional credit when problem differs.

III. Teaching Experience (continued)

c. Agricultural Education Courses Developed and Instructed (Graduate)

Agricultural Education 5314 – Problems in Teaching Vocational Agriculture (AGED 5314)

Catalog course description: The student is given the opportunity to work on problems of special interest and need in teaching high school vocational agriculture. May be repeated for additional credit when problem differs.

Agricultural Education 5318 – Administration and Supervision of Vocational Education (AG 5318)

Catalog course description: The administration of comprehensive vocational education programs with emphasis on the operation and implementation of programs governed by state and national laws (2007-2009 Graduate Catalog, Texas State University, p. 72). The course will transcend this description through self-exploration and discussion of the integral aspects of leadership and its role in supervision. Of particular emphasis will be supervision as improvement for teaching, learning and leading in educational settings and beyond. Specifically, students in the course will explore developmental perspectives of human, conceptual, and technical skills needed for continuing professional development and instructional improvement.

Agricultural Education 5319 - Adult Education Program Development and Methods (AGED 5319)

Catalog course description: a seminar/discussion course with the primary goal of connecting adult learning theory with effective practices. The course seeks to integrate theory and practice to better prepare professionals for diverse roles in training and education.

Agriculture 5320 – History and Principles of Vocational Education (AG 5320)

Catalog course description: History and Principles of Vocational Education is the study of the history, principles, and philosophy of different programs of vocational education existing today. The course will include a review of principles ranging from early vocational education in America to the globalization of career and technology education in both Texas and America. Students will be given the opportunity to engage in critical insight, collaborative discussion, research paper critiques, and creative projects. Students will be expected to participate in class discussions and presentations.

III. Teaching Experience (continued)

b. Agricultural Education Courses Developed and Instructed (Graduate; continued)

Agricultural Education 5330 – Research Methods in Vocational Education (AGED 5330)

Catalog course description: Principles and procedures of evaluation used in developing and implementing programs of vocational education will be stressed. The procedure involved in proposal writing will be studied.

Agricultural Education 5335 - Curriculum Development of Vocational Programs (AGED 5335)

Catalog course description: a seminar/discussion course designed to provide students with a strong background of designing and implementing career and technology education curriculum. The course discusses the changing cognitive, affective, psychomotor, and interpersonal skills required in a variety of career and technology professions. Contemporary curriculum models will be discussed. Recent reports and legislation affecting career and technology education will be examined and discussed throughout the entire semester. It will be important that students keep up with legislation being passed that affects K-12 education, as well as, higher education. Designing curriculum for higher education will also be stressed.

Agricultural Education 5371D – Agricultural Structures Design (AGED 5371D)

Catalog course description: Principles of design and construction for structures associated with agricultural production. Emphasis will be placed on processes, materials and standards associated with different areas of production agriculture.

Agricultural Education 5371E – Advanced Welding Processes and Designs (AG 5371E)

Catalog course description: Advanced study in areas related to welding processes and equipment utilized in the design, construction, and repair of agricultural structures and equipment. Emphasis will be placed on processes and methods, which may be applicable to agricultural production situations as well as in the processing of agricultural products.

Agricultural Education 5399A – Thesis – (AGED 5399A)

Catalog course description: This course represents a student's initial thesis enrollment. No thesis credit is awarded until student has completed the thesis in Agricultural Education 5399B.

Agricultural Education 5399 B - Thesis – (AGED 5399B)

Catalog course description: This course represents a student's continuing thesis enrollment. The student continues to enroll in this course until the thesis is submitted for binding.

III. Teaching Experience (continued)

d. Student Teacher Supervision

Name	Institution	Semester
Ms. Anne Bailey	Sam Houston State University	Spring 2018
Ms. Jaclyn Robinson	Sam Houston State University	Spring 2018
Mr. Chad Reynolds	Sam Houston State University	Spring 2017
Ms. Hannah Lewandowski	Sam Houston State University	Spring 2017
Mr. Bryan Potter	Sam Houston State University	Spring 2016
Ms. Bethany Whitten	Sam Houston State University	Spring 2016
Ms. Maureen Victoria	Texas State University	Spring 2013
Mr. Zachary Brown	Texas State University	Spring 2013
Ms. Melissa McAdam	Texas State University	Spring 2012
Mrs. Liz Murray	Texas State University	Spring 2011
Ms. Katy Henry	Texas State University	Spring 2011
Ms. Alyson Ivey	Texas State University	Spring 2011
Ms. Maddie Hays	Texas State University	Spring 2011
Ms. Kayla Box	Texas State University	Spring 2011
Mr. Lance Martin	University of Missouri	Spring 2010
Mr. Ardel Wright	University of Missouri	Spring 2010
Mr. Kyle Allen	University of Missouri	Spring 2009

III. Teaching Experience (continued)

e. Graduate Teaching Assistantship Experiences

**University of Missouri, Department(s) of Agricultural Education and Leadership and
Agricultural Systems Management, (Fall 2007 - Spring 2010)**

As a doctoral graduate teaching assistant at the University of Missouri, I assisted professors with preparing curriculum, teaching, grading, and advising students for the following courses:

**Agricultural Education 2220 - Verbal Communication in Agriculture, Food, and Natural
Resources**

Agricultural Education 2250 - Personal Leadership Development

Agricultural Education 2260 - Team and Organizational Leadership

Agricultural Education 3320 - Metal Fabrication and Laboratory Management

Agricultural Education 4995 - Student Teaching Internship in Agriculture

Agricultural System Management 1020 - Introduction to Agricultural Systems Management

Agricultural Systems Management 2340 - Pesticide Application Equipment

Agricultural Systems Management 4020 - Agricultural Safety and Health

Agricultural Systems Management 4140 - Electricity: Wiring and Equipment

**Agricultural Systems Management 4320 - Agricultural Equipment and
Machinery**

III. Teaching Experience (continued)

e. Graduate Teaching Assistantship Experiences

Sam Houston State University, Department of Agricultural Sciences, (Fall 2002 - Fall 2003)

As a master-level graduate teaching assistant at the Sam Houston State University, I assisted professors (Dr. Billy Harrell, Dr. Joe Muller, Dr. Tim Pannkuk, and Dr. Doug Ullrich) with preparing curriculum, teaching laboratories, grading, and advising students for the following courses:

Agriculture 162 - Introduction to Agricultural Mechanization and Engineering

Agriculture 165 - Plant Science

Agriculture 330 - Agricultural Electrification

Agriculture 331 - Teaching Agricultural Technology

Agriculture 338 - Game Animal Production

Agriculture 380 - Agricultural Machinery

Agriculture 386 - Agricultural Structures and Environmental Control Systems

Agriculture 481 - Advanced Agricultural Mechanics

f. Funded Internal Teaching Grants

Agricultural Career Exploration / Experiential Learning Field Trip, Student Service Fee Committee, Texas State University – San Marcos, \$1,750.00, Principal Investigator

Description: In the fall of 2011, I was awarded \$1,750.00 to fund a student service project within the Department of Agriculture at Texas State University to take students on exploratory field trips to regional agriculture companies to explore career options after graduation. These field trips took place in the summer of 2012.

IV. Peer Reviewed Research

a. Refereed Journal Articles

1) In-Review

CY 2022

Saucier, P. R., Langley, G. C., & Riggins, E. A. (In-Review). Agricultural mechanics professional development needs of novice, school-based Texas agricultural science teachers. *The Journal of Agricultural Systems, Technology, and Management*.

CY 2015

Saucier, P. R., & Geiken, K. B. (In-Review, Pending Second Revisions, Submitted December 2015). Agricultural mechanics curriculum skill standards for U.S. agricultural science teachers: A Delphi study. *The Journal of Agricultural Systems, Technology, and Management*.

Saucier, P. R., Stair, K., McKim, B. R., Rosencrans, C. (In-Review, Pending Second Revisions, Submitted December 2015). An examination of the professional development needs of school-based New Mexico agriculture teachers' ability to safely manage agricultural mechanics laboratories. *The Journal of Agricultural Systems, Technology, and Management*.

2) Accepted for Publication

N/A

3) Published

CY 2020

Byrd, A. P., **Saucier, P. R.,** & Anderson, R. G. (2020). Laboratory Management Needs of Iowa School-Based Agricultural Mechanics Teachers. *Career and Technical Education Research Journal*.44(3) 37-52. DOI: 10.5328/cter44.3.37

IV. Peer Reviewed Research (continued)

a. Refereed Journal Articles (continued)

3) Published (continued)

CY 2017

Saucier, P. R., & Langley, G. C. (2017). An evaluation of the knowledge, performance, and consequence competence in a science, technology, engineering, and mathematics (STEM) based professional development for school-based agricultural science teachers: An assessment of an industry supported Computer Numerical Control (CNC) Plasma Arc Cutting workshop. *The Journal of Agricultural Systems, Technology, and Management*. 28, 25-43.

CY 2014

Saucier, P. R., & Krysher, S. (2014). Selected factors influencing Missouri school-based agricultural educators to instruct agricultural mechanics curriculum. *The Journal of Agricultural Systems, Technology, and Management*. 25, 1-11.

Saucier, P. R., & McKim, B. R. (2014). Safety in the agricultural mechanics laboratory: A needs assessment of Tennessee school-based agricultural educators. *The Journal of Agricultural Systems, Technology, and Management*. 25, 12-25.

Saucier, P. R., McKim, B. R., Muller, J. E., & Kingman, D. M. (2014). Assessing performance and consequence competence in a technology-based professional development for agricultural science teachers: An evaluation of the Lincoln Electric welding technology workshop. *Career and Technical Education Research*, 39(2), doi: 10.5328/cter39.2

Saucier, P. R., McKim, B. R., Terry, Jr., R., & Schumacher, L. G. (2014). A performance competence-based needs assessment of Missouri school-based agricultural educators in agricultural mechanics laboratory management. *The Journal of Agricultural Systems, Technology, and Management*. 25, 26-43.

Saucier, P. R., Vincent, S. K., & Anderson, R. G. (2014). Laboratory safety needs of Kentucky school-based agricultural mechanics teachers. *The Journal of Agricultural Education*. 55(2), doi: 10.5032/jae.2014.02184

CY 2013

McKim, B. R., & Saucier, P. R. (2013). A 20-year comparison of teachers' self-efficacy of agricultural mechanics laboratory management. *The Journal of Agricultural Education*, 54(1), doi: 10.5032/jae.2013.01153

IV. Peer Reviewed Research (continued)

a. Refereed Journal Articles (continued)

CY 2012 (continued)

CY 2012

McKim, B. R., & **Saucier, P. R.** (2012). A multi-state factor-analytic and psychometric meta-analysis of agricultural mechanics laboratory management competencies. *The Journal of Agricultural Education*, 53(2), doi: 10.5032/jae.2012.02139

Saucier, P. R. & McKim, B. R., & Tummons, J.D. (2012). A Delphi approach to the preparation of early-career agricultural educators in the curriculum area of agricultural mechanics: Fully qualified and highly motivated or status quo? *The Journal of Agricultural Education*, 53(1), doi: 10.5032/jae.2012.01001

CY 2011

McKim, B. R., & **Saucier, P. R.** (2011). Agricultural mechanics laboratory management professional development needs of Wyoming secondary agriculture teachers. *The Journal of Agricultural Education*, 52(3), doi: 10.5032/jae.2011.03075

Saucier, P. R., & McKim, B. R. (2011). Assessing the learning needs of student teachers in Texas regarding management of the agricultural mechanics laboratory: Implications for the professional development of early career teachers in agricultural education. *The Journal of Agricultural Education*, 52(4), doi: 10.5032/jae.2011.04024

McKim, B. R., & **Saucier, P. R.** (2011). An Excel-based mean weighted discrepancy score calculator. *The Journal of Extension*, 49(2).

IV. Peer Reviewed Research (continued)

b. Refereed Conference Proceedings

CY 2021

Anderson, R. G., **Saucier, P. R.**, White, P. T., Byrd, A. P., & Leamon, C. (2021). Identifying the tools and equipment available for career and technical education teachers to teach small gas engines. *Paper presented at the 2021 Association for Career and Technical Education Research, New Orleans, LA.*

Saucier, P. R., Byrd, A. P., White, P. T., Anderson, R. G., & Leamon, C. (2021). Effects of a professional development session on career and technical education teachers' perceptions of importance to teach small gas engines. *Paper presented at the 2021 Association for Career and Technical Education Research, New Orleans, LA.*

White, P. T., Anderson, R. G., **Saucier, P. R.**, Byrd, A. P., & Leamon, C. (2021). Perceptions of curriculum availability for career and technical education teachers to teach small gas engine technology in secondary schools. *Paper presented at the 2021 Association for Career and Technical Education Research, New Orleans, LA.*

CY 2020

Saucier, P. R., Byrd, A. P., White, P. T., Anderson, R. G., Leamon, C. (2020). Effects of a professional development session on career and technical education teachers' knowledge to teach small gas engines. *Paper presented at the 2020 National Agricultural Mechanics Professional Development Blue Ribbon Conference proceedings, Virtual.*

White, P. T., Anderson, R. G., **Saucier, P. R.**, Byrd, A. P., & Leamon, C. (2020). Identifying the curriculum available for career and technical education teachers to teach small gas engines skills. *Paper presented at the 2020 National Agricultural Mechanics Professional Development Blue Ribbon Conference proceedings, Virtual.*

IV. Peer Reviewed Research (continued)

b. Refereed Conference Proceedings (continued)

CY 2019

Langley, G. C., **Saucier, P. R.**, & Pinard, R. (2019). CNC Plasma Arc Cutting professional development workshop: Implications of the knowledge, performance, and consequence competence of school-based agricultural, food, and natural resource (AFNR) teachers. *Paper presented at the 2019 National Agricultural Mechanics Professional Development Blue Ribbon Conference proceedings, Indianapolis, IN.*

Saucier, P. R., Langley, G. C., & Pinard, R. (2019). Agricultural mechanics professional development needs of novice, school-based Texas agricultural, food, and natural resource teachers. *Paper presented at the 2019 National Agricultural Mechanics Professional Development Blue Ribbon Conference proceedings, Indianapolis, IN.*

CY 2018

Byrd, A. P., Anderson, R. G., & **Saucier, P. R.** (February, 2018). Laboratory management needs of Iowa school-based agricultural mechanics teachers. *Paper presented at the 2018 Southern Region of the American Association for Agricultural Education Research Conference, Jacksonville, FL.*

Byrd, A. P., Anderson, R. G., & **Saucier, P. R.** (May, 2018). Laboratory management needs of Iowa school-based agricultural mechanics teachers. *Paper presented at the 2018 American Association for Agricultural Education Research Conference, Charleston, SC.*

Saucier, P. R., Langley, G. C., & Riggin, E. A. (May, 2018). Agricultural mechanics professional development needs of novice, school-based Texas agricultural science teachers. *Paper presented at the 2018 National American Association for Agricultural Education Research Conference, Charleston, SC.*

Saucier, P. R., & Langley, G. C. (October, 2018). *Agricultural laboratory safety education exposure levels of students participating in the Houston Livestock Show and Rodeo Agricultural Mechanics Project Show: A generational review.* Paper presented at the 2018 National Agricultural Mechanics Professional Development Blue Ribbon Conference, Indianapolis, IN.

CY 2017

Saucier, P. R., Langley, G. C., & Riggin, E. A. (October, 2017). Agricultural mechanics professional development needs of novice, school-based Texas agricultural science teachers. *Paper presented at the 36th National Agricultural Mechanics Blue Ribbon Professional Development Conference, Indianapolis, IN.*

IV. Peer Reviewed Research (continued)

b. Refereed Conference Proceedings (continued)

CY 2016

Saucier, P. R., & Langley, G. C. (2016, October). An evaluation of the knowledge, performance, and consequence competence in a science, technology, engineering, and mathematics (STEM) based professional development for school-based agricultural science teachers: An assessment of a computer numerical control (CNC) plasma arc cutting workshop. *Paper presented at the 35th National Agricultural Mechanics Blue Ribbon Professional Development Conference*, Indianapolis, IN.

CY 2014

Geiken, K. B., & Saucier, P. R. (2014, October). Agricultural mechanics curriculum skill standards for U.S. agricultural science teachers: A Delphi study. *Paper presented at the 33rd National Agricultural Mechanics Blue Ribbon Professional Development Conference*, Louisville, KY.

CY 2013

Saucier, P. R., McKim, B. R., Stair, K. (2013, October). An examination of the agricultural mechanics laboratory management professional development needs of school-based New Mexico agriculture teachers. *Paper presented at the 32nd National Agricultural Mechanics Blue Ribbon Professional Development Conference*, Louisville, KY.

CY 2012

Saucier, P. R. (2012, April). Selected factors influencing Missouri school-based agricultural educators to teach agricultural mechanics curriculum. *Paper presented at the 2012 Western Region – American Association for Agricultural Education Conference*, Bellingham, WA.

Saucier, P. R., McKim, B. R., Muller, J. E., & Kingman, D. M. (2012, April). Assessing performance and consequence competence in a technology-based professional development for agricultural science teachers: An evaluation of the Lincoln Electric Welding Technology Workshop. *Paper presented at the 2012 Western Region – American Association for Agricultural Education Conference*, Bellingham, WA.

Saucier, P. R. (2012, April). Barriers influencing Missouri school-based agricultural educators to avoid the instruction of agricultural mechanics curriculum. *Paper presented at the 2012 Western Region – American Association for Agricultural Education Conference*, Bellingham, WA.

IV. Peer Reviewed Research (continued)

b. Refereed Conference Proceedings (continued)

CY 2012 (continued)

Saucier, P. R., & Krysher, S. (2012, October). Selected factors influencing Missouri school-based agricultural educators to instruct agricultural mechanics curriculum. *Paper presented at the 31st National Agricultural Mechanics Committee Blue Ribbon Professional Development Conference*, Indianapolis, IN.

Saucier, P. R. (2012, November). Barriers influencing Missouri school-based agricultural educators to avoid the instruction of agricultural mechanics curriculum. *Paper presented at the 2012 Association for Career and Technical Education Research Conference*, Atlanta, GA.

Saucier, P. R., McKim, B. R., Muller, J. E., & Kingman, D. M. (2012, November). Assessing performance and consequence competence in a technology-based professional development for agricultural science teachers: An evaluation of the Lincoln Electric Welding Technology Workshop. *Paper presented at the 2012 Association for Career and Technical Education Research Conference*, Atlanta, GA.

CY 2011

Saucier, P. R., Vincent, S. K., & Anderson, R. G. (2011, February). Agricultural mechanics laboratory safety: professional development needs of Kentucky school-based agricultural educators. *Paper presented at the 2011 Southern Region – American Association for Agricultural Education Conference*, Corpus Christi, TX.

Saucier, P. R., & McKim, B. R. (2011, April). Essential agricultural mechanics skill areas for early-career Missouri agricultural education: A Delphi approach. *Paper presented at the 2011 Western Region – American Association for Agricultural Education Conference*, Fresno, CA.

Saucier, P. R., & Terry, Jr., R. (2011, April). Technical curriculum professional development needs of Missouri school-based agriculture teachers based upon career stage. *Paper presented at the 2011 Western Region – American Association for Agricultural Education Conference*, Fresno, CA.

McKim, B. R., & Saucier, P. R. (2011, April). A multi-state factor-analytic and psychometric meta-analysis of agricultural mechanics laboratory management competencies. *Paper presented at the 2011 Western Region – American Association for Agricultural Education Conference*, Fresno, CA.

IV. Peer Reviewed Research (continued)

b. Refereed Conference Proceedings (continued)

CY 2011 (continued)

Saucier, P. R., & McKim, B. R. (2011, May). Essential agricultural mechanics skill areas for early-career Missouri agricultural education: A Delphi approach. *Paper presented at the 2011 American Association for Agricultural Education Conference, Coeur d'Alene, ID.*

Saucier, P. R., & Terry, Jr., R. (2011, May). Technical curriculum professional development needs of Missouri school-based agriculture teachers based upon career stage. *Paper presented at the 2011 American Association for Agricultural Education Conference, Coeur d'Alene, ID.*

McKim, B. R., & Saucier, P. R. (2011, May). A multi-state factor-analytic and psychometric meta-analysis of agricultural mechanics laboratory management competencies. *Paper presented at the 2011 American Association for Agricultural Education Conference, Coeur d'Alene, ID.*

Saucier, P. R., Vincent, S. K., & Anderson, R. G. (2011, May). Agricultural mechanics laboratory safety: professional development needs of Kentucky school-based agricultural educators. *Paper presented at the 2011 American Association for Agricultural Education Conference, Coeur d'Alene, ID.*

Saucier, P. R., & McKim, B. R. (2011, October). Safety in the agricultural mechanics laboratory: A needs assessment of Tennessee school-based agricultural educators. *Paper presented at the 30th National Agricultural Mechanics Committee Blue Ribbon Professional Development Conference, Indianapolis, IN.*

CY 2010

Saucier, P. R., Tummons, J. D., Terry, Jr., R., & Schumacher, L. G. (2010, February). Professional development in-service needs of Missouri agricultural educators. *Paper presented at the 2010 Southern Region of the American Association for Agricultural Education Conference, Orlando, FL.*

McKim, B. R., Saucier, P. R., & Reynolds, C. L. (2010, April). Laboratory management in-service needs of Wyoming secondary agriculture teachers. *Paper presented at the 2010 Western Region of the American Association for Agricultural Education Conference, Great Falls, MT.*

IV. Peer Reviewed Research (continued)

b. Refereed Conference Proceedings (continued)

CY 2010 (continued)

Saucier, P. R., McKim, B. R., Murphy, T., & Terry, Jr., R. (2010, April). Professional development needs related to agricultural mechanics laboratory management for agricultural education student teachers in Texas. *Paper presented at the 2010 Western Region of the American Association for Agricultural Education Conference*, Great Falls, MT.

McKim, B. R., **Saucier, P. R.,** & Reynolds, C. L. (2010, May). Laboratory management in-service needs of Wyoming secondary agriculture teachers. *Paper presented at the 2010 American Association for Agricultural Education Conference*, Omaha, NE.

Saucier, P. R., Tummons, J. D., Terry, Jr., R., & Schumacher, L. G. (2010, May). Professional development in-service needs of Missouri agricultural educators. *Paper presented at the 2010 American Association for Agricultural Education Conference*, Omaha, NE.

Saucier, P. R., & McKim, B. R. (2010, October). A meta-analysis of teacher self-efficacy towards agricultural mechanics laboratory management. *Paper presented at the 29th National Agricultural Mechanics Committee Blue Ribbon Professional Development Conference*, Indianapolis, IN, 39-52.

Saucier, P. R., & Tummons, J. D. (2010, October). Career development event professional development needs of Missouri agricultural educators. *Paper presented at the 29th National Agricultural Mechanics Committee Blue Ribbon Professional Development Conference*, Indianapolis, IN, 23-38.

Saucier, P. R., & McKim, B. R. (2010, December). Agricultural mechanics laboratory management professional development needs of Texas agricultural education student teachers. *Paper presented at the 2010 Association for Career and Technical Education Conference*, Las Vegas, NV.

CY 2009

Saucier, P. R., Terry, Jr., R., & Schumacher, L. G. (2009, February). Laboratory management in-service needs of Missouri agriculture educators. *Paper presented at the 2009 Southern Region of the American Association for Agriculture Education Conference*, Atlanta, GA, 176-192.

Saucier, P. R., Funkenbusch, K., Schumacher, L. G., & Madsen, M. (2009, June). A review of Midwestern all-terrain vehicle accidents, injuries and fatalities. *Paper presented at the 2009 National Institute for Farm Safety Conference*, New Orleans, LA.

IV. Peer Reviewed Research (continued)

b. Refereed Conference Proceedings (continued)

CY 2008 (continued)

Saucier, P. R., Schumacher, L. G., & Funkenbusch, K. (2009, April). A multi-state review of all-terrain vehicle accidents, injuries, and fatalities. *Paper presented at the 2009 Annual Mid-Central Meeting of the American Society of Agricultural and Biological Engineers*, Ames, IA.

Saucier, P. R., Schumacher, L. G., & Funkenbusch, K. (2008, October). A review of Missouri all-terrain vehicle accidents, injuries, and fatalities. *Paper presented at the 27th National Agricultural Mechanics Committee Blue Ribbon Poster Session*, Indianapolis, IN, 27-37.

IV. Peer Reviewed Research (continued)

c. Refereed Conference Abstracts Published in Conference Proceedings

CY 2021

Saucier, P. R., & Leamon, C. L. (2021). Safe working conditions found within Texas, school-based agricultural mechanics laboratories. *Abstract presented virtually at the 2021 North American Agricultural Safety Summit.*

CY 2016

Saucier, P. R., & Langley, G. C. (2016, July). Assessing knowledge, performance, and consequence competence in a technology-based professional development for school-based agricultural educators: An evaluation of the CNC Plasma Cutting Technology Workshop. *Abstract presented orally at the 2016 Annual International Meeting of the American Society of Agricultural and Biological Engineers, Orlando, FL.*

Langley, G. C., & **Saucier, P. R.** (2016, July). Professional development needs of Texas school-based agricultural educators regarding CNC plasma cutting technology: A snapshot assessment method. *Abstract presented orally at the 2016 Annual International Meeting of the American Society of Agricultural and Biological Engineers, Orlando, FL.*

CY 2014

Morrish, D. M., **Saucier, P. R.**, Espinoza, J., & Vela, D. (2014, June). Retention, persistence, and completion strategies: A comparison of USDA-HSI grant students to the general Hispanic student population. *Abstract presented as a poster at the 2014 North American Colleges & Teachers of Agriculture conference, Bozeman, MT.*

CY 2009

Saucier, P. R., Schumacher, L. G., & Tummons, J. D. (2009, June). Essential agricultural mechanics skills for beginning agriculture educators as perceived by expert Missouri agricultural educators. *Paper presented at the 2009 Annual International Meeting of the American Society of Agricultural and Biological Engineers, Reno, NV.*

CY 2008

Saucier, P. R., Schumacher, L. G., Terry, Jr., R., Funkenbusch, K., & Johnson, D. M. (2008, June). Agricultural mechanics laboratory management competencies: A review of perceptions of Missouri agricultural science teachers concerning importance and performance ability. *Paper presented at the 2008 Annual International Meeting of the American Society of Agricultural and Biological Engineers, Providence, RI.*

IV. Peer Reviewed Research (continued)

c. Refereed Research Posters Printed in Conference Proceedings

CY 2022

Byrd, A. P., White, P. T., Anderson, R. G., **Saucier, P. R.**, Leamon, C. (2022). Effects of a professional development session on career and technical education teachers' knowledge to teach small gas engine. Poster presented at the 2022 National Research Conference of the American Association for Agricultural Education, Oklahoma City, OK.

Reynolds, C. & **Saucier, P. R.** (2022). Perceptions of school-based agricultural science teachers' ability to provide welding certifications to students. Poster presented at the 2022 National Agricultural Mechanics Professional Development Blue Ribbon Conference, Indianapolis, IN.

Saucier, P. R., Hainline, M., Victoria, M., Reynolds, C., & Leamon, C. (2022). General safety conditions found within selected Texas school-based agricultural mechanics laboratories. Poster presented at the 2022 National Agricultural Mechanics Professional Development Blue Ribbon Conference, Indianapolis, IN.

Saucier, P. R., Victoria, M., Reynolds, C., Hainline, M., & Leamon, C. (2022). Personal protection equipment (PPE) use in selected Texas school-based agricultural mechanics laboratories. Poster presented at the 2022 National Agricultural Mechanics Professional Development Blue Ribbon Conference, Indianapolis, IN.

CY 2021

White, P. T., Anderson, R. G., **Saucier, P. R.**, Byrd, A. P., & Leamon, C. L. (2021). Perceptions of curriculum availability for career and technical education teachers to teach small gas engine technology in secondary schools. Poster presented at the 2021 North Central Region of the American Association for Agricultural Education conference, Columbus, OH.

CY 2020

Anderson, R. G., **Saucier, P. R.**, Byrd, A. P., White, P. T., & Leamon, C. L. (2020). Identifying the tools and equipment available for career and technology education teachers to teach small gas engine skills. Research poster published in the proceedings of the 2020 National Agricultural Mechanics Professional Development Blue Ribbon Conference proceedings, Virtual.

Byrd, A. P., White, P. T., Anderson, R. G., **Saucier, P. R.**, & Leamon, C. L. (2020). Effects of a professional development session on career and technical education teachers' knowledge to teach small gas engines. Research poster published in the proceedings of the 2020

National Agricultural Mechanics Professional Development Blue Ribbon Conference proceedings, Virtual.

IV. Peer Reviewed Research (continued)

d. Refereed Research Posters Printed in Conference Proceedings

CY 2020 (continued)

Leamon, C. L., **Saucier, P. R.**, Anderson, R. G., Byrd, A. P., & White, P. T. (2020). An evaluation of the Briggs and Stratton small gas engine technology workshop: A national focus on the professional development needs of career and technology teachers. Research poster published in the proceedings of 2020 American Association for Agricultural Education Research conference, Virtual.

CY 2019

Key, R., & **Saucier, P. R.** (2019). Confidence levels of entry year, Texas school-based agriculture, food, and natural resource teachers to instruct agricultural mechanics skills. Research poster presented at the 2019 American Association for Agricultural Education conference, Des Moines, IA.

Leamon, C., **Saucier, P. R.**, Anderson, R. G., Byrd, A. P., & White, P. T. (2019). An evaluation of the Briggs and Stratton Small Gas Engine Technology Workshop: A national evaluation of teacher professional development needs. Research poster presented at the 2019 National Agricultural Mechanics Professional Development Blue Ribbon Conference proceedings, Indianapolis, IN.

Pannkuk, T., **Saucier, P. R.** (2019). Response of Five St. Augustinegrass Cultivars to Drought and Recovery. American Society of Horticultural Sciences. Las Vegas, NV.

Reynolds, C., **Saucier, P. R.**, & Langley, G. C. (2019). An examination of the agricultural mechanics professional development needs of Texas school-based agricultural science teachers. Research poster presented at the 2019 Western Region of the American Association for Agricultural Education conference, Anchorage, AK.

Saucier, P. R., & Key, R. (2019). Agricultural mechanics education exposure levels of entry year, Texas, school-based Agriculture, Food, and Natural Resource teachers. Research poster presented at the 2019 Western Region of the American Association for Agricultural Education conference, Anchorage, AK.

Saucier, P. R., Key, R. (2019). Evaluating agricultural, food, and natural resource teacher competence in a Computer Numerical Control (CNC) Plasma Arc Cutting workshop: An

assessment using the Borich Needs Assessment Model. Research poster presented at the 2019 American Association for Agricultural Education conference, Des Moines, IA.

IV. Peer Reviewed Research (continued)

e. Refereed Research Posters Printed in Conference Proceedings

CY 2019 (continued)

Saucier, P. R., McDow, B., & Ford, R. K. (2019). University student's perceptions on energy sustainability education: A focus on Sam Houston State University. Research poster presented at the 2019 American Association for Agricultural Education conference, Des Moines, IA.

Saucier, P. R., Spindle, E., & Ford, R. K. (2019). Professional development needs of Texas agricultural, food, and natural resource (AFNR) teachers who supervised students competing in the 2018 San Antonio Junior Agricultural Mechanics Project Show. Research poster presented at the 2019 American Association for Agricultural Education conference, Des Moines, IA.

Spindle, E., **Saucier, P. R.,** & Langley, G. C. (2019). Professional development needs of Texas agricultural, food, and natural resource (AFNR) teachers who supervised students competing in the 2018 San Antonio Junior Agricultural Mechanics Project Show. Research poster presented at the 2019 Western Region of the American Association for Agricultural Education conference, Anchorage, AK.

Watkins, C., **Saucier, P. R.,** & Ford, R. K. (2019). Petroleum-based diesel and biodiesel performance in a farm utility tractor: Impacts of seasonal weather conditions on horsepower performance. Research poster presented at the 2019 National Agricultural Mechanics Professional Development Blue Ribbon Conference proceedings, Indianapolis, IN.

CY 2018

Lewandowski, H., **Saucier, P. R.,** & Muller, J. E. (2018, February). *Student safety education in Texas agricultural mechanics classrooms and laboratories: A student's perspective on safety education.* Poster presented at the 2018 North American Agricultural Safety Summit, Scottsdale, AZ.

Byrd, A. P., Anderson, R. G., & **Saucier, P. R.** (2018, May). *Injuries and other accidents sustained in an agricultural mechanics laboratory by Iowa secondary agricultural education students.* Poster presented at the 2018 American Association for Education Research Conference, Charleston, SC.

Pannkuk, T. & **Saucier, P. R.** (2018, May). *Response of five St. Augustinegrass cultivars to drought and recovery*. Poster presented at the 2018 Annual Conference of the American Society for Horticultural Science, Washington, D.C.

IV. Peer Reviewed Research (continued)

f. Refereed Research Posters Printed in Conference Proceedings

CY 2018 (continued)

Saucier, P. R., Geiken, K. B., Pavelock, D., Ullrich, D. R., & Muller, J. E. (2018, May). *A comparison of the safety education exposure levels of students participating in the 2003 and the 2013 Houston Livestock Show & Rodeo Agricultural Mechanics Project Show: Are students more safe 10 years later?* Poster presented at the 2018 American Association for Education Research Conference, Charleston, SC.

Saucier, P. R., Langley, G. C., & Riggin, E. A. (2018, May). *An examination of the agricultural mechanics professional development needs of the 2016 National FFA Agricultural Technology and Mechanical Systems Career Development Event FFA Advisors*. Poster presented at the 2018 American Association for Education Research Conference, Charleston, SC.

Spindle, E. K., & **Saucier, P. R.** (2018, September). *Professional development needs of Texas Agricultural, Food, and Natural Resource (AFNR) teachers who supervised students competing in the 2018 San Antonio Junior Agricultural Mechanics Project Show*. Poster presented at the 2018 Western Region of the American Association for Agricultural Education Research Conference, Boise, ID.

Key, R. L., & **Saucier, P. R.** (2018, October). *Confidence levels of entry year, Texas school-based Agricultural, Food, and Natural Resource teachers to instruct agricultural mechanics skills*. Poster presented at the 2018 National Agricultural Mechanics Professional Development Blue Ribbon Conference, Indianapolis, IN.

Key, R. L. & **Saucier, P. R.** (2018, October). *Evaluating agricultural, food, and natural resource teacher competence in a Computer Numerical Control (CNC) Plasma Arc Cutting workshop: An assessment using the Borich Needs Assessment Model*. Poster presented at the 2018 National Agricultural Mechanics Professional Development Blue Ribbon Conference, Indianapolis, IN.

McDowell, B. & **Saucier, P. R.**, Ford, R. K. (2018, October). *University students' perceptions on energy sustainability: A focus on Sam Houston State University*. Poster presented at the 2018 National Agricultural Mechanics Professional Development Blue Ribbon Conference, Indianapolis, IN.

Spindle, E. K. & **Saucier, P. R.** (2018, October). *An examination of agricultural mechanics laboratory safety conditions in Texas: Perceptions from Texas Agricultural, Food, and Natural Resource (AFNR) teachers who supervised students competing in the 2018 San Antonio Junior Agricultural Mechanics Project Show*. Poster presented at the 2018 National Agricultural Mechanics Professional Development Blue Ribbon Conference, Indianapolis, IN.

IV. Peer Reviewed Research (continued)

g. Refereed Research Posters Printed in Conference Proceedings

CY 2018 (continued)

Spindle, E., **Saucier, P. R.**, & Ford, R. K. (2018, October). *Professional development needs of Texas Agricultural, Food, and Natural Resource (AFNR) teachers who supervised students competing in the 2018 San Antonio Junior Agricultural Mechanics Project Show*. Poster presented at the 2018 National Agricultural Mechanics Professional Development Blue Ribbon Conference, Indianapolis, IN.

CY 2017

Riggin, E., **Saucier, P. R.**, Muller, J. E., & Langley, G. C. (2017, May). *Professional development needs of early career Texas agricultural science teachers: A focus on agricultural mechanics skills*. Poster presented at the 2017 American Association for Agricultural Education Conference, San Luis Obispo, CA.

Lewandowski, H., **Saucier, P. R.**, & Muller, J. E. (2017, June). *An analysis of student safety education: Student safety habits in and out of the agricultural mechanics laboratory*. Poster presented at the 2017 International Society for Agricultural, Safety, and Health Conference, Logan, UT.

Byrd, A. P., Anderson, R. G., & **Saucier, P. R.** (2017, September). *Laboratory management professional development needs of Iowa secondary agricultural education teachers*. Poster presented at the 2017 North Central Region of the American Association for Agricultural Education Conference, Ames, IA.

Byrd, A. P., Anderson, R. G., & **Saucier, P. R.** (2017, September). *Injuries and other accidents sustained in an agricultural mechanics laboratory by secondary agricultural education students*. Poster presented at the 2017 North Central Region of the American Association for Agricultural Education Conference, Ames, IA.

Saucier, P. R., Geiken, K. B., Pavelock, D., & Ullrich, D. (2017, September). *A comparison of the safety exposure levels of students participating in the 2003 versus the 2013 Houston Livestock Show and Rodeo Agricultural Mechanics Project Show*. Poster presented at the 2017 Western Region of the American Association for Agricultural Education Conference, Ft. Collins, CO.

Saucier, P. R., Lewandowski, H., & Muller, J. E. (2017, September). *Student safety education in Texas agricultural mechanics classrooms and laboratories: A student's perspective on safety education*. Poster presented at the 2017 Western Region of the American Association for Agricultural Education Conference, Ft. Collins, CO.

IV. Peer Reviewed Research (continued)

h. Refereed Research Posters Printed in Conference Proceedings

CY 2017 (continued)

Byrd, A. P., Anderson, R. G., & **Saucier, P. R.** (2017, October). *Injuries and other accidents sustained in an agricultural mechanics laboratory by Iowa secondary agricultural education students*. Poster presented at the 36th National Agricultural Mechanics Committee Blue Ribbon Poster Session, Indianapolis, IN.

Holloway, L. A., **Saucier, P. R.,** Geiken, K. B., & Muller, J. E. (2017, October). *Career retention of Texas school-based, female agricultural mechanics teachers: An examination of influential factors*. Poster presented at the 36th National Agricultural Mechanics Committee Blue Ribbon Poster Session, Indianapolis, IN.

Saucier, P. R., Langley, G. C., & Riggin, E. A. (2017, October) *An examination of the agricultural mechanics professional development needs of the 2016 National FFA Agricultural Technology and Mechanical Systems Career Development Event FFA Advisors*. Poster presented at the 36th National Agricultural Mechanics Committee Blue Ribbon Poster Session, Indianapolis, IN.

Saucier, P. R., Muller, J. E., Pavelock, D., & Ullrich, D. R. (2017, October). *A comparison of the safety education exposure levels of student participating in the 2003 and the 2013 Houston Livestock Show & Rodeo Agricultural Mechanics Project Show: Are students more safe 10 years later?* Poster presented at the 36th National Agricultural Mechanics Committee Blue Ribbon Poster Session, Indianapolis, IN.

CY 2016

Byrd, A. P., **Saucier, P. R.,** & Anderson, R. G. (2016, June). *Secondary agricultural education student injuries and other accidents sustained in an agricultural mechanics laboratory*. Poster presented at the 2016 North American Colleges and Teachers of Agriculture Conference, Honolulu, HI.

Langley, G. C., & **Saucier, P. R.** (2016, June). *Professional development needs of Texas school-based agricultural educators regarding CNC plasma cutting technology: A snapshot assessment method*. Poster presented at the 2016 North American Colleges and Teachers of Agriculture Conference, Honolulu, HI.

Saucier, P. R., Byrd, A. P., & Anderson, R. G. (2016, June). *Laboratory management professional development needs of Iowa secondary agricultural education teachers*. Poster presented at the 2016 North American Colleges and Teachers of Agriculture Conference, Honolulu, HI.

IV. Peer Reviewed Research (continued)

i. Refereed Research Posters Printed in Conference Proceedings

CY 2016 (continued)

Saucier, P. R., & Langley, G. C. (2016, June). *Assessing knowledge, performance, and consequence competence in a technology-based professional development for school-based agricultural educators: An evaluation of the CNC Plasma Cutting Technology Workshop*. Poster presented at the 2016 North American Colleges and Teachers of Agriculture Conference, Honolulu, HI.

Langley, G. C., & **Saucier, P. R.** (2016, July). *Professional development needs of Texas school-based agricultural educators regarding CNC plasma cutting technology: A snapshot assessment method*. Poster presented at the 2016 Annual International Meeting of the American Society of Agricultural and Biological Engineers, Orlando, FL.

Saucier, P. R., & Langley, G. C. (2016, July). *Assessing knowledge, performance, and consequence competence in a technology-based professional development for school-based agricultural educators: An evaluation of the CNC Plasma Cutting Technology Workshop*. Poster presented at the 2016 Annual International Meeting of the American Society of Agricultural and Biological Engineers, Orlando, FL.

Holloway, C. D., Pierce, W. H., Roe, C. L., **Saucier, P. R.,** & Muller, J. E. (2016, October). *An analysis of a professional development workshop for school-based agriculture teachers: A focus on the instruction of STEM-based metal fabrication processes*. Poster presented at the 35th National Agricultural Mechanics Committee Blue Ribbon Poster Session, Indianapolis, IN.

Lewandowski, H., **Saucier, P. R.,** & Muller, J. E. (2016, October). *An analysis of student safety education: Student safety habits in and out of the agricultural mechanics laboratory*. Poster presented at the 35th National Agricultural Mechanics Committee Blue Ribbon Poster Session, Indianapolis, IN.

Riggin, E., **Saucier, P. R.,** & Muller, J. E. (2016, October). *Professional development needs of early career Texas agricultural science teachers: A focus on agricultural mechanics*. Poster presented at the 35th National Agricultural Mechanics Committee Blue Ribbon Poster Session, Indianapolis, IN.

IV. Peer Reviewed Research (continued)

j. Refereed Research Posters Printed in Conference Proceedings

CY 2015

Garcia, J., **Saucier, P. R.**, & Morrish, D. M. (2015, June). *Perceived barriers and supportive factors influencing Hispanic/Latino students at Texas State University*. Poster session presented at the 2015 North American Colleges and Teachers of Agriculture Conference, Athens, GA.

Roe, C. L., & **Saucier, P. R.** (2015, June). *An examination of school-based Texas agriculture science teacher position announcements for the 2014-2015 academic school year: Are teachers prepared to meet these challenges?* Poster session presented at the 2015 North American Colleges and Teachers of Agriculture Conference, Athens, GA.

Saucier, P. R., Roe, C. L., & Muller, J. E. (2015, October). *An examination of the shortage of agricultural mechanics teachers in Texas: A review of desired employability characteristics by administrators and local school districts*. Poster session presented at the 34th National Agricultural Mechanics Committee Blue Ribbon Research Conference, Louisville, KY.

Saucier, P. R., Geiken, K. B., & Muller, J. E. (2015, October). *Career satisfaction of Texas school-based female agriculture mechanics teachers: An examination of influential factors*. Poster session presented at the 34th National Agricultural Mechanics Committee Blue Ribbon Research Conference, Louisville, KY.

CY 2014

Geiken, K., & **Saucier, P. R.** (2014, May). *Agricultural laboratory safety education exposure levels of students participating in the 2013 Houston Livestock Show and Rodeo Agricultural Mechanics Project Show*. Poster session presented at the 2014 American Association for Agricultural Education Conference, Salt Lake City, UT.

Saucier, P. R., McKim, B. R., & Spiess, M. (2014, May). *How safe are our laboratories for student learning? A focus on the professional development needs of California agricultural mechanics teachers*. Poster session presented at the 2014 American Association for Agricultural Education Conference, Salt Lake City, UT.

Geiken, K. B., & **Saucier, P. R.** (2014, October). *What skills should a new agriculture teacher be able to instruct in the agricultural mechanics laboratory? A national Delphi study*. Poster session presented at the 33rd National Agricultural Mechanics Committee Blue Ribbon Research Conference, Louisville, KY.

IV. Peer Reviewed Research (continued)

k. Refereed Research Posters Printed in Conference Proceedings

CY 2014 (continued)

Peet, K., & **Saucier, P. R.** (2014, October). *Are biofuels the answer? A comparison of traditional D2 diesel fuel and biodiesel blended fuels in a Massey Ferguson 2615 farm utility tractor.* Poster session presented at the 33rd National Agricultural Mechanics Committee Blue Ribbon Research Conference, Louisville, KY.

CY 2013

Saucier, P. R. (2013, May). *Factors impacting the instructional curriculum choices of Missouri school-based agricultural mechanics educators.* Poster session presented at the 2013 American Association for Agricultural Education Conference, Columbus, OH.

Garcia, J. M., & **Saucier, P. R.** (2013, May). *The impact of work-related stress on the job performance of Texas agricultural science teachers.* Poster session presented at the 2013 American Association for Agricultural Education Conference, Columbus, OH.

Saucier, P. R., McKim, B. R., & Swan, M. K. (2013, May). *Safely managing school-based agricultural mechanics laboratory: A focus on the continuing education needs of Washington agricultural education teachers.* Poster session presented at the 2013 American Association for Agricultural Education Conference, Columbus, OH.

Saucier, P. R., & Garcia, J. M. (2013, October). *The physical health and lifestyle habits of Texas agriculture science teachers.* Poster session presented at the 32nd National Agricultural Mechanics Committee Blue Ribbon Research Conference, Louisville, KY.

Wenske, C., & **Saucier, P. R.** (2013, October). *Diesel fuel performance in a farm utility tractor: a comparison of traditional D2 diesel fuel and biodiesel blended fuels.* Poster session presented at the 32nd National Agricultural Mechanics Committee Blue Ribbon Research Conference, Louisville, KY.

CY 2012

Saucier, P. R., McKim, B. R., Stair, K., & Rosencrans, C. (2012, May). *Meeting the professional development needs of New Mexico school-based agricultural educators: A focus on management of the agricultural mechanics laboratory.* Poster session presented at the 2012 American Association for Agricultural Education Conference, Asheville, NC.

IV. Peer Reviewed Research (continued)

I. Refereed Research Posters Printed in Conference Proceedings

CY 2012 (continued)

Saucier, P. R., McKim, B. R., Stair, K., & Rosencrans, C. (2012, May). *Meeting the professional development needs of New Mexico school-based agricultural educators: A focus on management of the agricultural mechanics laboratory*. Poster session presented at the 2012 Western Region of the American Association for Agricultural Education Conference, Bellingham, WA.

CY 2011

Saucier, P. R., Killingsworth, J. L., & Tummons, J. D. (2011, February). *Self-perceived levels of importance of agricultural mechanics laboratory management competencies by agricultural education pre-service students*. Poster session presented at the 2011 Southern Region for the American Association for Agricultural Education Conference, Corpus Christi, TX.

Saucier, P. R., McKim, B. R., & Tummons, J. D. (2011, February). *Essential agricultural mechanics skills for beginning agricultural educators: A Delphi approach*. Poster session presented at the 2011 Southern Region for the American Association for Agricultural Education Conference, Corpus Christi, TX.

Saucier, P. R., McKim, B. R., & Tummons, J. D. (2011, May). *Essential agricultural mechanics skills for beginning agricultural educators: A Delphi approach*. Poster session presented at the 2011 American Association for Agricultural Education Conference, Coeur d'Alene, ID.

CY 2010

Saucier, P. R., Terry, Jr., R., & Schumacher, L. G. (2010, February). *Characteristics of Missouri agricultural mechanics programs: A generational review*. Poster session presented at the 2010 Southern Region of the American Association for Agricultural Education Conference, Orlando, FL.

Saucier, P. R., & McKim, B. R. (2010, April). *Agricultural mechanics experience of Texas agricultural education student teachers*. Poster session presented at the 2010 Western Region of the American Association for Agricultural Education Conference, Great Falls, MT.

Saucier, P. R., Tummons, J. D., Schumacher, L. G., & Terry, Jr., R. (2010, May). *FFA professional development needs of Missouri agricultural educators*. Poster session presented at the 2010 National American Association for Agricultural Education Conference, Omaha, NE.

IV. Peer Reviewed Research (continued)

m. Refereed Research Posters Printed in Conference Proceedings

CY 2010 (continued)

Saucier, P. R., Terry, Jr., R., & Schumacher, L. G. (2010, May). *Characteristics of Missouri agricultural mechanics programs: A generational review*. Poster session presented at the 2010 National American Association for Agricultural Education Conference, Omaha, NE.

CY 2009

Saucier, P. R., & Terry, Jr., R. (2009, May). *Selected demographics of Missouri agricultural mechanics programs*. Poster session presented at the 2009 American Association for Agricultural Education Conference, Louisville, KY.

Saucier, P. R., Tummons, J. D., Schumacher, L. G., & Terry, Jr., R. (2009, October). *FFA professional development needs of Missouri agricultural educators*. Poster session presented at the 2009 North Central Region of the American Association for Agricultural Education Conference, Lincoln, NE.

CY 2008

Saucier, P. R., & Terry, Jr., R. (2008, October). *Selected demographics of Missouri agricultural mechanics programs*. Poster session presented at the 2008 North Central Region of the American Association for Agricultural Education Conference, Ithaca, NY.

e. Refereed Innovative Idea Posters Printed in Conference Proceedings

CY 2022

Reynolds, C. & **Saucier, P. R.** (2022). Incorporating Power Machinery Management Practicum Course to Train Undergraduate Students in Agricultural and Construction Equipment Operation. Poster presented at the 2022 National Agricultural Mechanics Professional Development Blue Ribbon Conference, Indianapolis, IN.

CY 2020

Ford, R. K., & **Saucier, P. R.** (2020). Utilizing vehicle mounted Global Positioning Systems (GPS) to increase Science, Technology, Engineering, and Mathematical (STEM) comprehension for precision agriculture: From theoretical concepts to real-world. Innovative idea poster published in the proceedings of 2020 American Association for Agricultural Education Research conference, Virtual.

Saucier, P. R., & Ford, R. K. (2020). Tractor Technician Career Development Event (CDE) professional development workshop: Classroom instruction to career opportunities. Innovative idea poster published in the proceedings of 2020 American Association for Agricultural Education Research conference, Virtual.

CY 2019

Clinch, H., & **Saucier, P. R.** (2019). Increasing student welding comprehension utilizing an instructor-led, blue tooth welding hood camera: Student perceptions of technology innovations. Innovative idea poster presented at the 2019 National Agricultural Mechanics Professional Development Blue Ribbon Conference proceedings, Indianapolis, IN.

Langley, G. C., Ford, J. T., Damerau, M., & **Saucier, P. R.** (2019). Using budget friendly agricultural mechanics projects to facilitate high impact learning outcomes. Innovative idea poster presented at the 2019 National Agricultural Mechanics Professional Development Blue Ribbon Conference proceedings, Indianapolis, IN.

IV. Peer Reviewed Research (continued)

e. Refereed Innovative Idea Posters Printed in Conference Proceedings (continued)

CY 2019 (continued)

Saucier, P. R., & Langley, G. C. (2019). Welding and metal fabrication contest: Classroom instruction to career opportunities. Innovative idea poster presented at the 2019 National Agricultural Mechanics Professional Development Blue Ribbon Conference proceedings, Indianapolis, IN.

CY 2015

Saucier, P. R., Pierce, W. H., & Muller, J. E. (2015, October). *The integration of science, technology, engineering, and mathematics (STEM) competencies into the Texas agricultural mechanics metal fabrication curriculum: A professional development model for school-based agricultural educators.* Poster session presented at the 34th National Agricultural Mechanics Committee Blue Ribbon Research Conference, Louisville, KY.

CY 2012

Saucier, P. R., McKim, B. R., & Edney, K. C. (2012, April). *Integrating science, technology, engineering, and mathematics (STEM) competencies into the Texas agricultural mechanics curriculum: A professional development model for school-based agricultural educators.* Poster session presented at the 2012 Western Region for the American Association for Agricultural Education Conference, Bellingham, WA.

Saucier, P. R., McKim, B. R., & Edney, K. C. (2012, May). *Integrating science, technology, engineering, and mathematics (STEM) competencies into the Texas agricultural mechanics curriculum: A professional development model for school-based agricultural educators.* Poster session presented at the 2012 American Association for Agricultural Education Conference, Asheville, NC.

Saucier, P. R. & McKim, B. R., (2012, May). *Evaluating industry sponsored professional development education: A focus on the Lincoln Electric Welding Technology.* Poster session presented at the 2012 American Association for Agricultural Education Conference, Asheville, NC.

CY 2011

Saucier, P. R., Langley, G. C., Harrell, W. R., & Tummons, J. D. (2011, February). *Tractor technician career development event: Classroom instruction to career opportunities.* Poster session presented at the 2011 Southern Region for the American Association for Agricultural Education Conference, Corpus Christi, TX.

IV. Peer Reviewed Research (continued)

e. Refereed Innovative Idea Posters Printed in Conference Proceedings (continued)

CY 2010

Saucier, P. R., & Tummons, J. D. (2010, February). *Agricultural Mechanics Professional Development through Summer Technical Institutes*. Poster session presented at the 2010 Southern Region of the American Association for Agricultural Education Conference, Orlando, FL.

Saucier, P. R., & Tummons, J. D. (2010, May). *Professional development through winter technical institutes: Agricultural electrification*. Poster session presented at the 2010 National American Association for Agricultural Education Conference, Omaha, NE.

Tummons, J. D., & **Saucier, P. R.** (2010, October). *Teacher professional development through winter technical institutes: Meat processing and evaluation*. Poster session presented at the 2010 North Central Region for the American Association for Agricultural Education Conference, Manhattan, KS.

CY 2009

Saucier, P. R., Lambert, M. D., & Terry, Jr., R. (2009, May). *Using vodcasts for reflective teaching within an agricultural mechanics course*. Poster session presented at the 2009 American Association for Agricultural Education Conference, Louisville, KY.

Saucier, P. R., & Tummons, J. D. (2009, September). *Professional development through winter technical institutes: Agricultural electrification*. Poster session presented at the 2009 North Central Region of the American Association for Agricultural Education Conference, Lincoln, NE.

IV. Peer Reviewed Research (continued)

f. Non-refereed, invited manuscript

CY 2015

Saucier, P. R., & Langley, G. C. (2015). The role of agricultural mechanics in Texas school-based agricultural education. *The Agricultural Education Magazine*, 87(4), 17-19.

g. Non-refereed student research posters

CY 2017

Riggin, E., **Saucier, P. R.**, Muller, J. E., & Langley, G. C. (2017, May). *Professional development needs of early career Texas agricultural science teachers: A focus on agricultural mechanics skills*. Poster presented at the 2017 Undergraduate Research Symposium, Sam Houston State University, Huntsville, TX.

Lewandowski, H., **Saucier, P. R.**, & Muller, J. E. (2017, June). *An analysis of student safety education: Student safety habits in and out of the agricultural mechanics laboratory*. Poster presented at the 2017 Undergraduate Research Symposium, Sam Houston State University, Huntsville, TX.

CY 2016

Pierce, W. H., Roe, C. L., **Saucier, P. R.**, & Muller, J. E. (2016, March). *An analysis of a professional development workshop for school-based agriculture teachers: A focus on oxygen fuel welding, cutting, and bending, and plasma arc cutting*. Agricultural Consortium of Texas Conference, Stephenville, TX.

Pierce, W. H., Roe, C. L., **Saucier, P. R.**, & Muller, J. E. (2016, March). *An analysis of a professional development workshop for school-based agriculture teachers: A focus on the GMAW and SMAW processes*. Agricultural Consortium of Texas Conference, Stephenville, TX.

Roe, C. L., Pierce, W. H., **Saucier, P. R.**, & Muller, J. E. (2016, March). *An analysis of a professional development workshop for school-based agriculture teachers: A focus on metal fabrication equipment*. Agricultural Consortium of Texas Conference, Stephenville, TX.

Roe, C. L., Pierce, W. H., **Saucier, P. R.**, & Muller, J. E. (2016, March). *An analysis of a professional development workshop for school-based agriculture teachers: A focus on trailer design and fabrication*. Agricultural Consortium of Texas Conference, Stephenville, TX.

IV. Peer Reviewed Research (continued)

g. Non-refereed student research posters

CY 2016 (continued)

Roe, C. L. Pierce, W. H., **Saucier, P. R.**, & Muller, J. E. (2016, March). *An examination of the shortage of agricultural mechanics teachers in Texas: A review of desired employability characteristics by administrators and local school districts*. Agricultural Consortium of Texas Conference, Stephenville, TX.

CY 2013

Garcia, J. M., **Saucier, P. R.**, Morrish, D. G., & Bond, N. (2013, March). *Perceived barriers and supporting factors influencing Hispanic/Latino students at Texas State University-San Marcos to achieving higher education*. Poster session presented at the 2013 Graduate Student Research Seminar, San Marcos, TX.

Morales, D., Morrish, D. M., & **Saucier, P. R.** (2013, March). *Hispanic/Latino student perceptions of agriculture and their knowledge levels of the different agencies within the USDA*. Poster session presented at the 2013 Graduate Student Research Seminar, San Marcos, TX.

Vela, D., Morrish, D. G., & **Saucier, P. R.** (2013, March). *USDA internship at Midewin National Tallgrass Prairie*. Poster session presented at the 2013 Undergraduate Student Research Seminar, San Marcos, TX.

h. Non-refereed grant summary posters

CY 2013

Morrish, D. G., **Saucier, P. R.**, & Garza, N. (2013, March). *Food safety and agroterrorism training: Educating our future workforce*. USDA Hispanic Serving Institution Research Symposium, San Marcos, TX.

CY 2012

Morrish, D. G., **Saucier, P. R.**, & Garza, N. (2012, October). *Food safety and agroterrorism training: Educating our future workforce*. USDA Hispanic Serving Institution Project Directors Meeting, Washington, D.C.

V. Professional Service

a. University Service

CY 2022

Sam Houston State University, College of Science and Engineering Technology, University Curriculum Committee

CY 2021

Sam Houston State University, College of Science and Engineering Technology, University Curriculum Committee

CY 2020

Sam Houston State University, College of Science and Engineering Technology, Summer Commencement, August 2020

Sam Houston State University, College of Science and Engineering Technology, Ag Development Committee, Member

CY 2019

Sam Houston State University, Institutional Review Board Committee, Alternative Committee Member, 2019

Sam Houston State University, College of Science Engineering Technology, Spring Commencement, May 2019

Sam Houston State University, College of Science and Engineering Technology, Summer Commencement, August 2019

CY 2018

Sam Houston State University, Institutional Review Board Committee, Alternative Committee Member, 2018

Sam Houston State University, College of Science Engineering Technology, Spring Commencement, May 2018

V. Professional Service (continued)

a. University Service (continued)

CY 2018 (continued)

Sam Houston State University, College of Science and Engineering Technology, Summer Commencement, August 2018

Sam Houston State University, College of Science and Engineering Technology, Fall Commencement, December 2018

CY 2017

Sam Houston State University, College of Science Engineering Technology, Spring Commencement, May 2017

Sam Houston State University, College of Science and Engineering Technology, Summer Commencement, August 2017

Sam Houston State University, College of Science and Engineering Technology, Fall Commencement, December 2017

Sam Houston State University, Institutional Review Board Committee, Alternative Committee Member, 2017

CY 2016

Sam Houston State University, College of Science, Spring Commencement, May 2016

Sam Houston State University, College of Science and Engineering Technology, Fall Commencement, December 2016

Sam Houston State University, Institutional Review Board Committee, Alternative Committee Member, 2016

CY 2015

Texas State University, Faculty Representative, College of Applied Arts, Commencement, Spring 2015, & Summer 2015

Sam Houston State University, College of Science, Fall Commencement, December 2015

V. Professional Service (continued)

a. University Service (continued)

CY 2014

Texas State University, Faculty Representative, College of Applied Arts, Commencement,
May 2014 & August 2014

Texas State University, Faculty Representative, College of Applied Arts, Commencement,
December 2014

CY 2013

Texas State University, Faculty Representative, College of Applied Arts, Commencement,
May 2013

CY 2012

Texas State University, Undergraduate Marshall, College of Applied Arts, Fall Commencement,
May 2012

CY 2010

Texas State University, Undergraduate Marshall, College of Applied Arts, Fall Commencement,
December 2010

V. Professional Service (continued)

b. Departmental Service

CY 2022

Sam Houston State University, School of Agricultural Sciences, Curriculum Review Committee, 2022

Sam Houston State University, School of Agricultural Sciences, Scholarship Committee, 2022

Sam Houston State University, School of Agricultural Sciences, Agricultural Alumni Board, 2022

Sam Houston State University, School of Agricultural Sciences, Departmental Schedule Development Committee, 2022

Sam Houston State University, School of Agricultural Sciences, Agricultural Development Committee, Chair, 2022

Sam Houston State University, School of Agricultural Sciences, Southern Association of Colleges and Schools Program Assessment Committee, 2022

CY 2021

Sam Houston State University, School of Agricultural Sciences, Curriculum Review Committee, 2021

Sam Houston State University, School of Agricultural Sciences, Scholarship Committee, 2021

Sam Houston State University, School of Agricultural Sciences, Agricultural Alumni Board, 2021

Sam Houston State University, School of Agricultural Sciences, Departmental Schedule Development Committee, 2021

Sam Houston State University, School of Agricultural Sciences, Agricultural Development Committee, 2021

Sam Houston State University, School of Agricultural Sciences, New Student Data Committee, 2021

Sam Houston State University, School of Agricultural Sciences, Wall of Honor Committee, Chair, 2021

V. Professional Service (continued)

b. Departmental Service (continued)

CY 2021 (continued)

Sam Houston State University, School of Agricultural Sciences, Southern Association of Colleges and Schools Program Assessment Committee, 2021

CY 2020

Sam Houston State University, Department of Agricultural Sciences, Curriculum Review Committee, 2020

Sam Houston State University, Department of Agricultural Sciences, Scholarship Committee, 2020

Sam Houston State University, Department of Agricultural Sciences, Agricultural Alumni Board, 2020

Sam Houston State University, Department of Agricultural Sciences, Departmental Faculty Merit/ FES Committee, 2020

Sam Houston State University, Department of Agricultural Sciences, Departmental Schedule Development Committee, 2020

Sam Houston State University, Department of Agricultural Sciences, Departmental New Student Data Committee, 2020

Sam Houston State University, Department of Agricultural Sciences, Departmental Graduating Student Data Committee, 2020

Sam Houston State University, Department of Agricultural Sciences, Departmental AG Development Committee, 2020

Sam Houston State University, Department of Agricultural Sciences, Departmental Ag Department Webpage Committee, 2020

Sam Houston State University, Department of Agricultural Sciences, Departmental Awards Nomination Committee, 2020

Sam Houston State University, Department of Agricultural Sciences, Safety Manual Committee Chairman, 2020

Sam Houston State University, Department of Agricultural Sciences, Saturday@SAM, AET Program Presenter, Spring 2020

V. Professional Service (continued)

b. Departmental Service (continued)

CY 2019

Sam Houston State University, Department of Agricultural Sciences, Curriculum Review Committee, 2019

Sam Houston State University, Department of Agricultural Sciences, Scholarship Committee, 2019

Sam Houston State University, Department of Agricultural Sciences, Agricultural Alumni Board, 2019

Sam Houston State University, Department of Agricultural Sciences, Departmental Faculty Merit/ FES Committee, 2019

Sam Houston State University, Department of Agricultural Sciences, Departmental Ag Ambassadors Committee, 2019

Sam Houston State University, Department of Agricultural Sciences, Departmental Schedule Development Committee, 2019

Sam Houston State University, Department of Agricultural Sciences, Departmental New Student Data Committee, 2019

Sam Houston State University, Department of Agricultural Sciences, Departmental Graduating Student Data Committee, 2019

Sam Houston State University, Department of Agricultural Sciences, Departmental AG Development Committee, 2019

Sam Houston State University, Department of Agricultural Sciences, Departmental Ag Department Webpage Committee, 2019

Sam Houston State University, Department of Agricultural Sciences, Departmental Awards Nomination Committee, 2019

Sam Houston State University, Department of Agricultural Sciences, Safety Manual Committee Chairman, 2019

Sam Houston State University, Department of Agricultural Sciences, Saturday@SAM, AET Program Presenter, Spring 2019

V. Professional Service (continued)

c. Departmental Service (continued)

CY 2019 (continued)

Sam Houston State University, Department of Agricultural Sciences, Crossroads District 11 4H Recruiting Day, AET Program Presenter, June 2019

CY 2018

Sam Houston State University, Department of Agricultural Sciences and Engineering Technology, Supervision of two Student Teachers during the Spring 2018 semester, Anne Bailey and Jaclyn Robinson, January – May 2018

Sam Houston State University, Department of Agricultural Sciences, Saturday@SAM, AET Program Presenter, November 2018

Sam Houston State University, Department of Agricultural Sciences, Crossroads District 11 4H Recruiting Day, AET Program Presenter, August 2018 & November 2018

Sam Houston State University, Department of Agricultural Sciences, Curriculum Review Committee, 2018

Sam Houston State University, Department of Agricultural Sciences, Scholarship Committee, 2018

Sam Houston State University, Department of Agricultural Sciences, Agricultural Alumni Board, 2018

Sam Houston State University, Department of Agricultural Sciences, Departmental Faculty Merit/ FES Committee, 2018

Sam Houston State University, Department of Agricultural Sciences, Safety Manual Committee Chairman, 2018

Sam Houston State University, Department of Agricultural Sciences, Departmental Nomination Committee, 2018

Sam Houston State University, Department of Agricultural Sciences, AGET Faculty Position Search Committee Member, 2018

Sam Houston State University, Department of Agricultural Sciences, Student Recruitment Data Committee Chairman, 2018

V. Professional Service (continued)

d. Departmental Service (continued)

CY 2017

Sam Houston State University, Department of Agricultural Sciences and Engineering Technology, Supervision of two Student Teachers during the Spring 2017 semester, Hannah Lewandowski and Chad Reynolds, January – May 2017

Sam Houston State University, Department of Agricultural Sciences and Engineering Technology, Saturday@SAM, AET Program Presenter, April 2017

Sam Houston State University, Department of Agricultural Sciences, Saturday@SAM, AET Program Presenter, November 2017

Sam Houston State University Agricultural Alumni Association, Faculty Representative, Editor of Departmental Newsletter, Fall 2017

Sam Houston State University, Department of Agricultural Sciences, Curriculum Review Committee, 2017

Sam Houston State University, Department of Agricultural Sciences, Scholarship Committee, 2017

Sam Houston State University, Department of Agricultural Sciences, Agricultural Alumni Board, 2017

Sam Houston State University, Department of Agricultural Sciences, Departmental Faculty Merit/ FES Committee, 2017

Sam Houston State University, Department of Agricultural Sciences, Safety Manual Committee Chairman, 2017

Sam Houston State University, Department of Agricultural Sciences, Departmental Nomination Committee, 2017

Sam Houston State University, Department of Agricultural Sciences, Department Chair Search Committee Member, 2017

V. Professional Service (continued)

b. Departmental Service (continued)

CY 2016

Sam Houston State University, Department of Agricultural Sciences and Engineering Technology, Houston Livestock Show and Rodeo, Recruitment Booth Volunteer, March 3rd and 18th, 2016 (30 hours)

Sam Houston State University, Department of Agricultural Sciences and Engineering Technology, Supervision of two Student Teachers during the Spring 2016 semester, Bryan Potter and Bethany Whitten, January – May 2016

Sam Houston State University Agricultural Alumni Association, Faculty Representative, Editor of Departmental Newsletter, Fall 2016

Sam Houston State University, Department of Agricultural Sciences and Engineering Technology, Curriculum Committee, Committee Member, 2016

Sam Houston State University, Department of Agricultural Sciences and Engineering Technology, Scholarship Committee, Committee Member, 2016

CY 2015

Texas State University, Invitational Agricultural Technology and Mechanical Systems Career Development Event Contest, Superintendent, March 2015

Texas State University, Area 7 Agricultural Technology and Mechanical Systems Career Development Event Contest, Superintendent, March 2015

Sam Houston State University, Department of Agricultural Sciences and Engineering Technology, EXcEL@SAM, Committee Member, AET Program Presenter, October 2015

Sam Houston State University, Department of Agricultural Sciences and Engineering Technology, Saturday@SAM, AET Program Presenter, November 2015

V. Professional Service (continued)

b. Departmental Service (continued)

CY 2014

Texas State University, Invitational Agricultural Technology and Mechanical Systems Career Development Event Contest, Superintendent, March 2014

Texas State University, Area 7 Agricultural Technology and Mechanical Systems Career Development Event Contest, Superintendent, March 2014

Texas State University, Department of Agriculture, Search Committee Chair, Senior Lecturer in Agricultural Systems Management, Spring 2014

Bobcat Days, Faculty Recruitment, October 2014

Texas State University, Invitational Leadership Development Event Contest, November 2014

Texas State University, Department of Agriculture, Scholarship Committee, Committee Chair, 2014

Texas State University, Department of Agriculture, M.S. Proposal Committee, Committee Member, 2014

Texas State University, Department of Agriculture, Outreach Committee, Committee Member, 2014

Texas State University, Department of Agriculture, Graduate Student Application Review Committee, Committee Member, 2014

Texas State University, Department of Agriculture, Search Committee Chair, Senior Lecturer in Agricultural Systems Management, Fall 2014 through Spring 2015

V. Professional Service (continued)

b. Departmental Service (continued)

CY 2013

Texas State University, Invitational Agricultural Technology and Mechanical Systems Career Development Event Contest, Superintendent, March 2013

Texas State University, Area 7 Agricultural Technology and Mechanical Systems Career Development Event Contest, Superintendent, March 2013

Bobcat Days, Faculty Recruitment, April 2013

Texas State University, Department of Agriculture, Supervision of 2 Student Teachers during the Spring 2013 semester, Maureen Victoria and Zachary Brown, January – May 2013

Texas Agricultural Science Teachers Professional Development Conference, Department Alumni Relations, July 2013

Texas State University, Invitational Leadership Development Event Contest, November 2013

Texas State University, Department of Agriculture, Scholarship Committee, Committee Chair, 2013

Texas State University, Department of Agriculture, M.S. Proposal Committee, Committee Member, 2013

Texas State University, Department of Agriculture, Outreach Committee, Committee Member, 2013

Texas State University, Department of Agriculture, Graduate Student Application Review Committee, Committee Member, 2013

V. Professional Service (continued)

b. Departmental Service (continued)

CY 2012

Texas State University, Invitational Agricultural Technology and Mechanical Systems Career Development Event Contest, Superintendent, March 2012

Bobcat Days, Faculty Recruitment, April 2012

Texas State University, Department of Agriculture, Supervision of 1 Student Teacher during the Spring 2012 semester, Melissa McAdam, January – May 2012

Texas State University, Department of Agriculture, Search Committee Member, Senior Lecturer in Agricultural Education, Spring 2012

Texas Agricultural Science Teachers Professional Development Conference, Department Alumni Relations, July 2012

Texas State University, Department of Agriculture, Senior Lecturer Search Committee, Committee Member, July 2012

Texas State University, Department of Agriculture, Meat N' Great Organizer, September 2012

Texas State University, Invitational Leadership Development Event Contest, November 2012

Texas State University, Department of Agriculture, Scholarship Committee, Committee Chair, 2012

SWTTSU Agriculture Alumni Association, Faculty Co-Advisor, 2012

Texas State University, Department of Agriculture, M.S. Proposal Committee, Committee Member, 2012

V. Professional Service (continued)

b. Departmental Service (continued)

CY 2011

Texas State University, Invitational Agricultural Technology and Mechanical Systems Career Development Event Contest, Superintendent, March 2011

Bobcat Days, Faculty Recruitment, April 2011

Texas State University, Department of Agriculture, Supervision of 5 Student Teachers during the Spring 2011 semester: Liz Murray, Katy Henry, Alyson Ivey, Maddie Hays, and Kayla Box, January – May 2011

Texas FFA Convention, Recruitment for the Department of Agriculture, Texas State University, Lubbock, TX, July 2011

Texas Agricultural Science Teachers Professional Development Conference, Department Alumni Relations, July 2011

Texas State University, Invitational Leadership Development Event Contest, November 2011

Texas State University, Department of Agriculture, Scholarship Committee, Committee Chair, 2011

SWTTSU Agriculture Alumni Association, Faculty Co-Advisor, 2011

Texas State University, Department of Agriculture, M.S. Proposal Committee, Committee Member, 2011

Texas State University, Department of Agriculture, Student Learning Outcome Committee, Committee Member, 2011

Texas State University, Department of Agriculture, Budget Committee, Committee Member, 2011

Texas State University, Department of Agriculture, Career Development Event Committee, Committee Member, 2011

Texas State University, Department of Agriculture, Curriculum Committee, Committee Member, 2011

Texas State University, Department of Agriculture, Outreach Committee, Committee Member, 2011

V. Professional Service (continued)

b. Departmental Service (continued)

CY 2011 (continued)

Texas State University, Department of Agriculture, Outreach Committee, Committee Member,
2011

CY 2010

Texas FFA Convention, Recruitment for the Department of Agriculture, Texas State
University, Corpus Christi, TX, July 2010

Texas State University, Invitational Leadership Development Event Contest, November 2010

Texas State University, Invitational Tractor Technician Career Development Event Contest,
Event Coordinator, December 2010

Texas State University, Department of Agriculture, Scholarship Committee,
Committee Member, 2010

SWTTSU Agriculture Alumni Association, Faculty Co-Advisor, 2010

Texas State University, Department of Agriculture, M.S. Proposal Committee, Committee
Member, 2010

Texas State University, Department of Agriculture, Student Learning Outcome Committee,
Committee Member, 2010

Texas State University, Department of Agriculture, Budget Committee, Committee Member,
2010

Texas State University, Department of Agriculture, Career Development Event Committee,
Committee Member, 2010

Texas State University, Department of Agriculture, Curriculum Committee, Committee Member,
2010

V. Professional Service (continued)

c. Community Service

CY 2022

Nueces County Junior Livestock Show, Agricultural Mechanics Project Show Judge, January 2022, Robstown, TX

Sam Houston State University, Texas FFA Association, Area 3, 6, 9, & 12 Tractor Technician Career Development Event, Co – Event Coordinator, January 2022, Huntsville, TX

San Antonio Livestock Show and Rodeo – Junior Agricultural Mechanics Project Show, Student Volunteer Coordinator, February 2022; Project Re-Classification Committee – Chair, February 2022, San Antonio, TX

Houston Livestock Show and Rodeo – Junior Agricultural Mechanics Project Show, Judge, SHSU Student Volunteer Coordinator, March 2022, Houston, TX

Texas FFA Association, State Applied Agricultural Engineering Career Development Event Superintendent, April 2022

Sam Houston State University, Area 3, 9, 11, & 12, ATMS CDE Event Coordinator, State ATMS CDE Event Coordinator, April 2022

Chambers County Junior Agricultural Mechanics Project Show, Judge, April 2022

Texas FFA Association, State Agricultural Technology and Mechanical Systems Career Development Event, Assistant Superintendent, April 2022

National FFA Organization, Associate Superintendent, Agricultural Technology and Mechanical Systems Career Development Event – Machine and Equipment Skill Area, October 2022, Indianapolis, IN.

Texas FFA Association, State Leadership Development Event Contest, State Greenhand Agricultural Demonstration Skills Superintendent, Facility Coordinator, December 2022, Huntsville, TX.

V. Professional Service (continued)

d. Community Service

CY 2021

Nueces County Junior Livestock Show, Agricultural Mechanics Project Show Judge, January 2021, Robstown, TX

Sam Houston State University, Texas FFA Association, Area 3, 6, 9, & 12 Tractor Technician Career Development Event, Co – Event Coordinator, January 2021, Huntsville, TX

San Antonio Livestock Show and Rodeo – Junior Agricultural Mechanics Project Show, Student Volunteer Coordinator, February 2021; Project Re-Classification Committee – Chair, February 2021, San Antonio, TX

Houston Livestock Show and Rodeo – Junior Agricultural Mechanics Project Show, Judge, SHSU Student Volunteer Coordinator, March 2021, Houston, TX

Sam Houston State University, Welding and Metal Fabrication Contest, Co-Even Coordinator, April 2021

Sam Houston State University, Area 3, 9, 11, & 12, ATMS CDE Event Coordinator, State ATMS CDE Event Coordinator, April 2021

Chambers County Junior Agricultural Mechanics Project Show, Judge, April 2021

Texas FFA Association, State Agricultural Technology and Mechanical Systems Career Development Event, Assistant Superintendent, April 2021

National FFA Organization, Associate Superintendent, Agricultural Technology and Mechanical Systems Career Development Event – Machine and Equipment Skill Area, October 2021, Indianapolis, IN.

Texas FFA Association, State Leadership Development Event Contest, Facility Coordinator, December 2021, Huntsville, TX.

V. Professional Service (continued)

c. Community Service

CY 2020

Nueces County Junior Livestock Show, Agricultural Mechanics Project Show Judge, January 2020, Robstown, TX

Sam Houston State University, Texas FFA Association, Area 3, 6, 9, & 12 Tractor Technician Career Development Event, Co – Event Coordinator, January 2020, Huntsville, TX

San Antonio Livestock Show and Rodeo – Junior Agricultural Mechanics Project Show, Student Volunteer Coordinator, February 2020; Project Re-Classification Committee – Chair, February 2020, San Antonio, TX

Sam Houston State University, 3rd Annual Bearkat Trailer Build-Off Contest, Co-Even Coordinator, October 2020

Texas FFA Association, State Leadership Development Event Contest, Facility Coordinator, December 2020, Virtually.

CY 2019

Hill Country District Livestock Show, Agricultural Mechanics Project Show Judge, January 2019

Nueces County Junior Livestock Show, Agricultural Mechanics Project Show Judge, January 2019, Robstown, TX

Sam Houston State University, Texas FFA Association, Area 3, 6, 9, & 12 Tractor Technician Career Development Event, Co – Event Coordinator, January 2019, Huntsville, TX

San Antonio Livestock Show and Rodeo – Junior Agricultural Mechanics Project Show, Student Volunteer Coordinator, February 2019; Project Re-Classification Committee – Chair, February 2019, San Antonio, TX

Houston Livestock Show and Rodeo – Junior Agricultural Mechanics Project Show, SHSU Student Volunteer Coordinator, March 2019, Houston, TX

Area 3, 9, 11, & 12 of Texas FFA, Agricultural Technology and Mechanical Systems CDE, Co-Superintendent, April 2019, Huntsville, TX

Texas FFA, State Agricultural Technology and Mechanical Systems CDE, Assistant Superintendent, May 2019, Huntsville, TX

V. Professional Service (continued)

c. Community Service

2019 (continued)

Sam Houston State University Metal Fabrication and Welding Contest, Co-Superintendent, April 2019, Huntsville, TX

Sam Houston State University, 2nd Annual Bearkat Trailer Build-Off Contest, Co-Even Coordinator, October 2019

National FFA Organization, Associate Superintendent, Agricultural Technology and Mechanical Systems Career Development Event – Machine and Equipment Skill Area, October 2019, Indianapolis, IN.

Texas FFA Association, State Leadership Development Event Contest, Facility Coordinator, December 2019, Huntsville, TX.

Polk County Junior Livestock Show, Agricultural Mechanics Project Show Judge, April 2019, Livingston, TX

Walker County Fair, Supervised Project Show, Chairman, 2019, Huntsville, TX

CY 2018

Nueces County Junior Livestock Show, Agricultural Mechanics Project Show Judge, January 2018, Robstown, TX

Sam Houston State University, Texas FFA Association, Area 3, 6, & 9 Tractor Technician Career Development Event, Co – Event Coordinator, January 2018, Huntsville, TX

San Antonio Livestock Show and Rodeo – Junior Agricultural Mechanics Project Show, Student Volunteer Coordinator, February 2018; Project Re-Classification Committee – Chair, February 2018, San Antonio, TX

Houston Livestock Show and Rodeo – Junior Agricultural Mechanics Project Show, SHSU Student Volunteer Coordinator, March 2018, Houston, TX

Houston County Junior Livestock Show, Agricultural Mechanics Project Show Judge, April 2018, Crockett, TX

Area 3, 6, & 9 of Texas FFA, Agricultural Technology and Mechanical Systems CDE, Co-Superintendent, April 2018, Huntsville, TX

V. Professional Service (continued)

c. Community Service

2018 (continued)

Texas FFA, State Agricultural Technology and Mechanical Systems CDE, Assistant Superintendent, April 2018, Huntsville, TX

Sam Houston State University Metal Fabrication and Welding Contest, Co-Superintendent, May 2018, Huntsville, TX

Walker County Fair, Supervised Project Show, Chairman, 2018, Huntsville, TX

Sam Houston State University, Bearkat Trailer Build-Off Contest, Co-Even Coordinator, October 2018

National FFA Organization, Associate Superintendent, Agricultural Technology and Mechanical Systems Career Development Event – Machine and Equipment Skill Area, October 2018, Indianapolis, IN.

Texas FFA Association, State Leadership Development Event Contest, Facility Coordinator, December 2018, Huntsville, TX.

CY 2017

Nueces County Junior Livestock Show, Agricultural Mechanics Project Show Judge, January 2017, Robstown, TX

Sam Houston State University, Texas FFA Association, Area 3, 6, & 9 Tractor Technician Career Development Event, Co – Event Coordinator, January 2017, Huntsville, TX

San Antonio Livestock Show and Rodeo – Junior Agricultural Mechanics Project Show, Student Volunteer Coordinator, February 2017; Project Re-Classification Committee – Chair, February 2017, San Antonio, TX

Cy-Fair Independent School District, Agricultural Mechanics Project Show, Judge, February 2017, Cypress, TX

Houston Livestock Show and Rodeo – Junior Agricultural Mechanics Project Show, SHSU Student Volunteer Coordinator, March 2017, Houston, TX

Houston County Junior Livestock Show, Agricultural Mechanics Project Show Judge, April 2017, Crockett, TX

V. Professional Service (continued)

c. Community Service (continued)

CY 2017 (continued)

Area 9 FFA Association, Sam Houston District, Judge, Extemporaneous Public Speaking,
April 2017, Crockett, TX

Sam Houston State University, Texas FFA Association, Area 3 & 9 Agricultural Technology
and Mechanical Systems Career Development Event, Co - Superintendent, April 2017,
Huntsville, TX

Sam Houston State University, Texas FFA Association, State Agricultural Technology and
Mechanical Systems Career Development Event, Associate Superintendent, April 2017,
Huntsville, TX

Sam Houston State University, Statewide Invitational Welding and Metal Fabrication Contest,
Co - Superintendent, May 2017, Huntsville, TX

Blinn Junior College, Agricultural Mechanics Project Show, Judge, May 2017, Brenham, TX

Sam Houston State University, Department of Agricultural Sciences, 4-H Outreach at SHSU,
Co – Event Coordinator, Agricultural Engineering Technology, August 2017, Huntsville,
TX

Sam Houston State University, Department of Agricultural Sciences, 4-H Outreach at SHSU,
Agricultural Engineering Technology, November 2017, Huntsville, TX

Texas FFA Association, State Leadership Development Event Contest, Facility Coordinator,
Huntsville, TX, December 2017

Walker County Fair, Supervised Project Show, Chairman, 2017, Huntsville, TX

V. Professional Service (continued)

d. Community Service (continued)

CY 2016

Sam Houston State University, Texas FFA Association, Area 3, 6, & 9 Tractor Technician Career Development Event, Co – Event Coordinator, January 2016, Huntsville, TX

Bring Your Own Rig Welding and Fabrication Competition, La Porte FFA, Judge and Safety Coordinator, La Porte, TX, January 2016

Nueces County Junior Livestock Show, Agricultural Mechanics Project Show Judge, January 2016, Robstown, TX

San Antonio Livestock Show and Rodeo – Junior Agricultural Mechanics Project Show, Student Volunteer Coordinator, February 2016; Project Re-Classification Committee – Chair, February 2016, San Antonio, TX

Houston Livestock Show and Rodeo – Junior Agricultural Mechanics Project Show, SHSU Student Volunteer Coordinator, March 2016, Houston, TX

Polk County Fair, Agricultural Mechanics Project Show, Judge, March 2016, Livingston, TX

Area 9 FFA Association, Sam Houston District, Judge, Extemporaneous Public Speaking, April 2016, Crockett, TX

Sam Houston State University, Texas FFA Association, Area 3 & 9 Agricultural Technology and Mechanical Systems Career Development Event, Co - Superintendent, April 2016, Huntsville, TX

Sam Houston State University, Texas FFA Association, State Agricultural Technology and Mechanical Systems Career Development Event, Associate Superintendent, April 2016, Huntsville, TX

Sam Houston State University, Statewide Invitational Welding and Metal Fabrication Contest, Co - Superintendent, May 2016, Huntsville, TX

Sam Houston State University, Department of Agricultural Sciences and Engineering Technology, Faculty Representative, Texas FFA Association, Leadership Development Event and Career Development Event Update Meeting, June 2016, Stephenville, TX

Hardin County Welding Contest, Judge, Silsbee, TX, October 2016

Texas FFA Association, State Leadership Development Event Contest, Facility Coordinator, Huntsville, TX, December 2016

V. Professional Service (continued)

e. Community Service (continued)

CY 2016 (continued)

Walker County Fair, Supervised Project Show, Co-Chairman, 2016, Huntsville, TX

CY 2015

Nueces County Junior Livestock Show, Agricultural Mechanics Project Show Judge, January 2015, Robstown, TX

Guadalupe County Junior Livestock Show, Agricultural Mechanics Project Show, Judge, January 2015, Seguin, TX

San Antonio Livestock Show and Rodeo – Junior Agricultural Mechanics Project Show, Student Volunteer Coordinator, February 2015; Project Re-Classification Committee – Chair, February 2015, San Antonio, TX

Cy-Fair Independent School District, Agricultural Mechanics Project Show, Judge, March 2015, Cypress, TX

Anderson County Fair, Agricultural Mechanics Project Show, Judge, April 2015, Palestine, TX

Walker County Fair, Supervised Project Show, Judge, April 2015, Huntsville, TX

Austin County Tractor Technician Invitational Career Development Event, Judge, Bellville, TX, October 2015

Hardin County Fair, Agricultural Mechanics Project Show, Judge, Silsbee, TX, October 2015

Texas FFA Association, State Leadership Development Event Contest, Facility Coordinator, Huntsville, TX, December 2015

V. Professional Service (continued)

f. Community Service (continued)

CY 2014

Guadalupe County Junior Livestock Show, Agricultural Mechanics Project Show, Judge,
January 2014, Seguin, TX

Nueces County Junior Livestock Show, Agricultural Mechanics Project Show Judge, January
2014, Robstown, TX

San Antonio Livestock Show and Rodeo – Junior Agricultural Mechanics Project Show, Student
Volunteer Coordinator, February 2014; Judge, February 2014, San Antonio, TX

Cy-Fair Independent School District, Agricultural Mechanics Project Show, Judge, March
2014, Cypress, TX

Anderson County Fair, Agricultural Mechanics Project Show, Judge, April 2014, Palestine, TX

Walker County Fair, Supervised Project Show, Judge, April 2014, Huntsville, TX

Austin County Tractor Technician Invitational Career Development Event, Judge, Bellville,
TX, October 2014

CY 2013

Nueces County Junior Livestock Show, Agricultural Mechanics Project Show Judge, January
2013, Robstown, TX

Guadalupe County Junior Livestock Show, Agricultural Mechanics Project Show, Judge,
January 2013, Seguin, TX

San Antonio Livestock Show and Rodeo – Junior Agricultural Mechanics Project Show, Student
Volunteer Coordinator, February 2013, San Antonio, TX

Houston Livestock Show and Rodeo – Junior Agricultural Mechanics Project Show, Judge,
March 2013, Houston, TX

V. Professional Service (continued)

g. Community Service (continued)

CY 2012

Bee County Junior Livestock Show, Agricultural Mechanics Project Show Judge, January 2012, Beeville, TX

Nueces County Junior Livestock Show, Agricultural Mechanics Project Show Judge, January 2012, Robstown, TX

Sealy FFA, Invitational Tractor Technician Career Development Event Contest, Judge, January 2012, Sealy, TX

San Antonio Livestock Show and Rodeo – Junior Agricultural Mechanics Project Show, Student Volunteer Coordinator, February 2012, San Antonio, TX

Houston Livestock Show and Rodeo – Junior Agricultural Mechanics Project Show, Judge, March 2012, Houston, TX

CY 2011

Bee County Junior Livestock Show, Agricultural Mechanics Project Show Judge, January 2011, Beeville, TX

Nueces County Junior Livestock Show, Agricultural Mechanics Project Show Judge, January 2011, Robstown, TX

Sealy FFA, Invitational Tractor Technician Career Development Event Contest, Judge, January 2011, Sealy, TX

San Antonio Livestock Show and Rodeo – Junior Agricultural Mechanics Project Show, Student Volunteer Coordinator, February 2011, San Antonio, TX

Houston Livestock Show and Rodeo – Junior Agricultural Mechanics Project Show, Judge, March 2011, Houston, TX

Blinn Junior College, Agricultural Mechanics Project Show, Judge, May 2011, Brenham, TX

Decatur FFA, FFA Officer Election, Application Judge, May 2011, Decatur, TX

V. Professional Service (continued)

c. Community Service (continued)

CY 2010

Brazos FFA Antique Tractor Show, Judge, June 2010, Wallis, TX

Area 3, Leader Development Event, Greenhand Farm Skills, Judge, November 2010, Brenham, TX

Area 7, Leadership Development Event, Senior and Greenhand Quiz Contest, Scorer, November 2010, Blanco, TX

V. Professional Service (continued)

d. Service to the Academic Profession

CY 2022

Agriculture Teachers Association of Texas, Guest Speaker, Ag Teacher Talk, Applied Agricultural Engineering Career Development Event, January 2022

Area 11 Mid-Winter Ag Teacher Professional Development Conference, Guest Speaker, Applied Agricultural Engineering Career Development Event, January 2022

41st National Agricultural Mechanics Professional Development Blue Ribbon Research Conference, Abstract Reviewer, Conference Awards Chairman, Indianapolis, IN, October 2022.

Western Region of the American Association for Agricultural Education, Member Services and Communication Committee, Chair, 2021-2022

CY 2021

40th National Agricultural Mechanics Professional Development Blue Ribbon Research Conference, Abstract Reviewer, Conference Awards Chairman, Virtual, October 2021.

Western Region of the American Association for Agricultural Education, Member Services and Communication Committee, Chair, 2020-2021

CY 2020

39th National Agricultural Mechanics Professional Development Blue Ribbon Research Conference, Innovative Poster Presentation Discussant, Conference Awards Chairman, Virtual, October 2020.

Western Region of the American Association for Agricultural Education, Professional Development Committee, Chair, 2019-2020

Journal of Agricultural Education, Manuscript Reviewer, January 2020

CY 2019

Journal of Agricultural Education, Review Board Member, 2019 – 2021

Southern Region of the American Association for Agricultural Education Research Conference, Research Poster Reviewer, Birmingham, AL, February 2019

V. Professional Service (continued)

e. Service to the Academic Profession

CY 2019 (continued)

Southern Region for the American Association for Agricultural Education Research Conference, Research Poster Reviewer, February 2019, Birmingham, AL. Reviewed eight research poster abstracts.

American Association for Agricultural Education Research Conference, Research Paper Reviewer, May 2019, Des Moines, IA. Reviewed two manuscripts.

American Association for Agricultural Education Research Conference, Research Poster Reviewer, May 2019, Des Moines, IA. Reviewed seven research poster abstracts.

Western Region of the American Association for Agricultural Education Research Conference, Innovative Idea Poster Reviewer, September 2019, Anchorage, AL. Reviewed seven innovative idea poster abstracts.

Journal of Agricultural Education, Editing-Managing Board Member, Western Region, 2019

National FFA Agricultural Technology and Mechanical Systems Career Development Event, Associate Superintendent for the Machine and Equipment Skill Activity, 2019; Committee Member, 2019

38th National Agricultural Mechanics Professional Development Blue Ribbon Research Conference, Awards Chairman, Indianapolis, IN, October 2019.

CY 2018

Southern Region of the American Association for Agricultural Education Research Conference, Innovative Idea Poster & Research Paper Reviewer, February 2018, Jacksonville, FL.

American Association for Agricultural Education Research Conference, Research Poster Reviewer, May 2018, Charleston, SC.

Vocational Agricultural Teachers Association of Texas, Workshop Presenter, Training a Agricultural Technology and Mechanical Systems CDE Team, 2 – 1 ½ hour workshops, July 2018, Lubbock, TX.

Western Region of the American Association for Agricultural Education Research Conference, Innovative Idea Poster Reviewer, September 2018, Boise, ID.

2018 National Agricultural Mechanics Professional Development Blue Ribbon Conference,

Innovative Idea Poster Reviewer, October 2018, Indianapolis, IN.

V. Professional Service (continued)

f. Service to the Academic Profession

CY 2018 (continued)

Career and Technical Education Research, Journal Article Reviewer, November 2018

Journal of Agricultural Education, Editing-Managing Board Member, Western Region, 2018

National FFA Agricultural Technology and Mechanical Systems Career Development Event,
Associate Superintendent for the Machine and Equipment Skill Activity, 2018;
Committee Member, 2018

37th National Agricultural Mechanics Professional Development Blue Ribbon Research
Conference, Innovative Teaching Poster Reviewer and Judge, Indianapolis, IN, October
2018

37th National Agricultural Mechanics Professional Development Blue Ribbon Research
Conference, Awards Chairman, Indianapolis, IN, October 2018

CY 2017

American Association for Agricultural Education Research Conference, Research Paper
Reviewer, Innovative Idea Poster Reviewer, San Luis Obispo, CA, May 2017

North Central Region of the American Association for Agricultural Education Research
Conference, Innovative Idea Poster Reviewer, Ames, IA, September 2017

36th National Agricultural Mechanics Professional Development Blue Ribbon Research
Conference, Innovative Teaching Poster Reviewer and Judge, Indianapolis, IN, October
2017

36th National Agricultural Mechanics Professional Development Blue Ribbon Research
Conference, Awards Chairman, Indianapolis, IN, October 2017

National FFA Agricultural Technology and Mechanical Systems Career Development Event,
Associate Superintendent for the Machine and Equipment Skill Activity, 2017;
Committee Member, 2017

V. Professional Service (continued)

d. Service to the Academic Profession (continued)

CY 2016

Western Region of the American Association for Agricultural Education Research Conference,
Research Poster Judge, Tucson, AZ, June 2016

35th National Agricultural Mechanics Professional Development Blue Ribbon Research
Conference, Innovative Idea Poster Abstract Reviewer and Judge, September/ October
2016

35th National Agricultural Mechanics Professional Development Blue Ribbon Research
Conference, Awards Chairman, Indianapolis, IN, October 2016

National FFA Agricultural Technology and Mechanical Systems Career Development Event,
Associate Superintendent for the Machine and Equipment Skill Activity, 2016;
Committee Member, 2016

V. Professional Service (continued)

d. Service to the Academic Profession (continued)

CY 2015

Southern Region of the American Association for Agricultural Education Research Conference, Research Innovative Idea Poster Judge, Atlanta, GA, February 2015

34th National Agricultural Mechanics Professional Development Blue Ribbon Research Conference, Awards Chairman, Louisville, KY, October 2015

34th National Agricultural Mechanics Professional Development Blue Ribbon Research Conference, Research Paper Reviewer & Judge, Louisville, KY, October 2015

National FFA Agricultural Technology and Mechanical Systems Career Development Event, Associate Superintendent for the Machine and Equipment Skill Activity, 2015; Committee Member, 2015

CY 2014

Southern Region of the American Association for Agricultural Education Research Conference, Innovative Idea Poster Judge, Dallas, TX, February 2014

American Association for Agricultural Education Research Conference, Special Interest Group Chair, Salt Lake City, UT, May 2014

American Association for Agricultural Education Research Conference, Research Presentation Facilitator – Section E – Agricultural Mechanics, Salt Lake City, UT, May 2014

American Association for Agricultural Education Research Conference, Professional Development Facilitator – Coaching and Mentoring Program Meet and Greet, Salt Lake City, UT, May 2014

American Association for Agricultural Education Research Conference, Professional Development Faculty Mentor – First-Time AAAE Member/Graduate Student Reception, Salt Lake City, UT, May 2014

American Association for Agricultural Education Research Conference, Research Paper Reviewer, Salt Lake City, UT, May 2014

Journal of Agricultural Systems, Technology, and Management, Journal Article Reviewer, August 2014

33rd National Agricultural Mechanics Professional Development Blue Ribbon Research

Conference, Innovative Idea Poster Abstract Reviewer, September 2014

V. Professional Service (continued)

d. Service to the Academic Profession (continued)

CY 2014 (continued)

Western Region of the American Association for Agricultural Education Research Conference, Research Paper Reviewer, Kona, HI, September 2014

North Central Region of the American Association for Agricultural Education Research Conference, Innovative Idea and Research Poster Judge, Morgantown, WV, October 2014

33rd National Agricultural Mechanics Professional Development Blue Ribbon Research Conference, Awards Chairman, Indianapolis, IN, October 2014

Journal of Agricultural Systems, Technology, and Management, Journal Article Reviewer, November 2014

National FFA Agricultural Technology and Mechanical Systems Career Development Event, Associate Superintendent for the Environmental and Natural Resources Skill, 2014; Committee Member, 2014

Western Region of the American Association for Agricultural Education, Professional Development Committee, Committee Member, 2014

CY 2013

Journal of Human Sciences and Extension, Journal Article Reviewer, April 2013

American Association for Agricultural Education Research Conference, Research Paper Reviewer, Columbus, OH, May 2013

North Central Region of the American Association for Agricultural Education Research Conference, Research Poster Judge, Platteville, WI, September 2013

Western Region of the American Association for Agricultural Education Research Conference, Innovative Idea Poster Judge, Lubbock, TX, September 2013

32nd National Agricultural Mechanics Professional Development Blue Ribbon Research Conference, Awards Chairman, Indianapolis, IN, October 2013

National FFA Agricultural Technology and Mechanical Systems Career Development Event, Associate Superintendent for the Environmental and Natural Resources Skill, 2013; Committee Member, 2013

V. Professional Service (continued)

d. Service to the Academic Profession (continued)

CY 2013 (continued)

Western Region of the American Association for Agricultural Education, Professional Development Committee, Committee Member, 2013

Texas Agricultural Mechanics Career Development Event, Superintendent, 2013

CY 2012

Southern Region of the American Association for Agricultural Education Research Conference, Research Poster Reviewer, Birmingham, AL, February 2012

American Association for Agricultural Education Research Conference, Innovative Idea Poster Reviewer, Asheville, NC, March 2012

Utah Association of Agricultural Educators, Rookie of the Year Award, Judge, June 2012
American Association for Agricultural Education, Agricultural Mechanics Special Interest Group, Chair Elect, May 2012

North Central Region of the American Association for Agricultural Education Research Conference, Conference Abstract Reviewer, July 2012

Journal of Agricultural Education, Journal Article Reviewer, July 2012

Journal of Agricultural Systems, Technology, and Management, Journal Article Reviewer, July 2012

31st National Agricultural Mechanics Professional Development Blue Ribbon Research Conference, Paper Reviewer, Indianapolis, IN, October 2012; Conference Awards Chair, October 2012

National FFA Agricultural Technology and Mechanical Systems Career Development Event, Associate Superintendent for the Environmental and Natural Resources Skill, 2012; Committee Member, 2012

Western Region of the American Association for Agricultural Education, Professional Development Committee, Committee Member, 2012

Texas Agricultural Mechanics Career Development Event, Superintendent, 2012

V. Professional Service (continued)

d. Service to the Academic Profession (continued)

CY 2011

American Association for Agricultural Education Research Conference, Innovative Idea Poster Reviewer and Judge, Coeur d'Alene, ID, March 2011 and May 2011

Western Region of the American Association for Agricultural Education Research Conference, Research Poster Judge, Fresno, CA, April 2011

Pennsylvania State University, College of Agricultural Sciences, Department of Agricultural and Extension Education, Course Reviewer, April 2011

North Central Region of the American Association for Agricultural Education Research Conference, Innovative Idea Poster Reviewer, State College, PA, September 2011

30th National Agricultural Mechanics Professional Development Blue Ribbon Research Conference, Paper Reviewer, Indianapolis, IN, October 2011

National FFA Agricultural Technology and Mechanical Systems Career Development Event, Associate Superintendent for the Environmental and Natural Resources Skill, 2011; Committee Member, 2011

Western Region of the American Association for Agricultural Education, Professional Development Committee, Committee Member, 2011

Texas Agricultural Mechanics Career Development Event, Superintendent, 2011

CY 2010

Texas FFA Association, State Degree Scholarship Award Advisor, Stephenville, TX, June 2010

29th National Agricultural Mechanics Professional Development Blue Ribbon Research Conference, Paper Reviewer, Indianapolis, IN, September 2010

Association for Career and Technical Education Conference, Workshop Presenter, *Avoiding Disaster: Safely Managing and Utilizing an Agricultural Mechanics Laboratory for Effective Student Instruction*, Las Vegas, NV, December 2010

National FFA Agricultural Technology and Mechanical Systems Career Development Event, Committee Member, 2010

V. Professional Service (continued)

e. Service to Student Organizations

CY 2022

Sam Houston State University, Agricultural Engineering Technology Club, Faculty Co-Advisor, 2022

CY 2021

Sam Houston State University, Agricultural Engineering Technology Club, Faculty Co-Advisor, 2021

Sam Houston State University, Trap and Skeet Club, Faculty Advisor, 2021

CY 2020

Sam Houston State University, Agricultural Engineering Technology Club, Faculty Co-Advisor, 2021

Sam Houston State University, Trap and Skeet Club, Faculty Advisor, 2021

CY 2019

Sam Houston State University, Agricultural Engineering Technology Club, Faculty Co-Advisor, 2019

Sam Houston State University, Trap and Skeet Club, Faculty Advisor, 2019

CY 2018

Sam Houston State University, Agricultural Engineering Technology Club, Faculty Co-Advisor, 2018

Sam Houston State University, Trap and Skeet Club, Faculty Advisor, 2018

CY 2017

Sam Houston State University, Agricultural Engineering Technology Club, Faculty Co-Advisor, 2017

Sam Houston State University, Trap and Skeet Club, Faculty Advisor, 2017

V. Professional Service (continued)

e. Service to Student Organizations (continued)

CY 2016

Sam Houston State University, Agricultural Engineering Technology Club, Faculty Co-Advisor, 2016

Sam Houston State University, Trap and Skeet Club, Faculty Advisor, 2016

CY 2015

Sam Houston State University, Agricultural Engineering Technology Club, Faculty Co-Advisor, 2015

Texas State University, Agricultural Systems Association, Faculty Advisor, 2015

Texas State University, Agricultural Ambassadors, Faculty Advisor, 2015

CY 2014

Texas State University, Agricultural Systems Association, Faculty Advisor, 2014

Texas State University, Agricultural Ambassadors, Faculty Advisor, 2014

Texas State University, Minorities in Agriculture, Natural Resources, and Related Sciences, Faculty Advisor, 2014

CY 2013

Texas State University, Agricultural Systems Association, Faculty Advisor, 2013

Texas State University, Agricultural Ambassadors, Faculty Advisor, 2013

Texas State University, Minorities in Agriculture, Natural Resources, and Related Sciences, Faculty Advisor, 2013

V. Professional Service (continued)

e. Service to Student Organizations (continued)

CY 2012

Texas State University, Agricultural Systems Association, Faculty Advisor, 2012

Texas State University, Agricultural Ambassadors, Faculty Advisor, 2012

Texas State University, Minorities in Agriculture, Natural Resources, and Related Sciences,
Faculty Advisor, 2012

CY 2011

Texas State University, Agricultural Systems Association, Faculty Advisor, 2011

Texas State University, Agricultural Ambassadors, Faculty Advisor, 2011

Texas State University, Collegiate FFA, Faculty Co-Advisor, 2011

Texas State University, Minorities in Agriculture, Natural Resources, and Related Sciences,
Faculty Advisor, 2011

CY 2010

Texas State University, Agricultural Systems Association, Faculty Advisor, 2010

Texas State University, Collegiate FFA, Faculty Co-Advisor, 2010

V. Professional Service (continued)

f. Professional/ Community Organization Membership

CY 2022

American Association for Agricultural Education, member, 2022

American Society of Agricultural and Biological Engineers, member, 2022

Vocational Agricultural Teachers Association of Texas, Associate member, 2022

Walker County Fair Association, lifetime member, 2022

CY 2021

American Association for Agricultural Education, member, 2021

American Society of Agricultural and Biological Engineers, member, 2021

Vocational Agricultural Teachers Association of Texas, Associate member, 2021

Walker County Fair Association, lifetime member, 2021

CY 2020

American Association for Agricultural Education, member, 2020

American Society of Agricultural and Biological Engineers, member, 2020

Vocational Agricultural Teachers Association of Texas, Associate member, 2020

Walker County Fair Association, lifetime member, 2020

CY 2019

American Association for Agricultural Education, member, 2019

American Society of Agricultural and Biological Engineers, member, 2019

Vocational Agricultural Teachers Association of Texas, Associate member, 2019

Walker County Fair Association, lifetime member, 2019

V. Professional Service (continued)

g. Professional/ Community Organization Membership (continued)

CY 2018

American Association for Agricultural Education, member, 2018

American Society of Agricultural and Biological Engineers, member, 2018

North American Colleges and Teachers of Agriculture, member, 2018

Vocational Agricultural Teachers Association of Texas, Associate member, 2018

Walker County Fair Association, lifetime member, 2018

CY 2017

American Association for Agricultural Education, member, 2017

American Society of Agricultural and Biological Engineers, member, 2017

Vocational Agricultural Teachers Association of Texas, Associate member, 2017

Walker County Fair Association, member, 2017

CY 2016

American Association for Agricultural Education, member, 2016

Vocational Agricultural Teachers Association of Texas, Associate member, 2016

Walker County Fair Association, member, 2016

CY 2015

American Association for Agricultural Education, member, 2015

Texas Hispanic Serving Institutions Consortium, member, 2015

Vocational Agricultural Teachers Association of Texas, Associate member, 2015

V. Professional Service (continued)

f. Professional/ Community Organization Membership (continued)

CY 2014

American Association for Agricultural Education, member, 2014

Texas Hispanic Serving Institutions Consortium, member, 2014

Vocational Agricultural Teachers Association of Texas, Associate member, 2014

CY 2013

American Association for Agricultural Education, member, 2013

Texas Hispanic Serving Institutions Consortium, member, 2013

Vocational Agricultural Teachers Association of Texas, Associate member, 2013

CY 2012

American Association for Agricultural Education, member, 2012

Texas Hispanic Serving Institutions Consortium, member, 2012

Vocational Agricultural Teachers Association of Texas, Associate member, 2012

CY 2011

American Association for Agricultural Education, member, 2011

Texas Hispanic Serving Institutions Consortium, member, 2011

Vocational Agricultural Teachers Association of Texas, Associate member, 2011

CY 2010

American Association for Agricultural Education, member, 2010

Texas Hispanic Serving Institutions Consortium, member, 2010

Vocational Agricultural Teachers Association of Texas, Associate member, 2010
V. Professional Service (continued)

g. Graduate Theses/Dissertation, Exit Committees, Student Research Projects

CY 2022

Virgil D'Veney, M.S. Committee Chair, Graduate Comprehensive Exam Committee,
Sam Houston State University, Spring 2022

Stewart Thielemann, M.S. Committee Chair, Graduate Comprehensive Exam
Committee, Sam Houston State University, Summer 2022

CY 2021

Cassidy Leamon, M.S. Thesis Chair, Thesis Committee, Sam Houston State University,
Summer 2019 – Spring 2021

Adan Machuca, M.S. Committee Chair, Graduate Comprehensive Exam Committee,
Sam Houston State University, Summer 2021

CY 2020

Cassidy Leamon, M.S. Thesis Chair, Thesis Committee, Sam Houston State University,
Summer 2019 – present

Adan Machuca, M.S. Thesis Chair, Thesis Committee, Sam Houston State University,
Summer 2019 – Spring 2020

Laura Newton, M.S. Committee Chair, Graduate Comprehensive Exam Committee, Sam
Houston State University, Spring 2020

Devin Vecera, M.S. Committee Chair, Graduate Comprehensive Exam Committee, Sam
Houston State University, Fall 2020

CY 2019

Robyn Key, M.S. Thesis Chair, Thesis Committee, Sam Houston State University,
Summer 2017 – Spring 2019

Adan Machuca, M.S. Thesis Chair, Thesis Committee, Sam Houston State University,
Summer 2019 – present

Cassidy Leamon, M.S. Thesis Chair, Thesis Committee, Sam Houston State University,

Summer 2019 – present

V. Professional Service (continued)

g. Graduate Theses/Dissertation, Exit Committees, Student Research Projects

CY 2019 (continued)

Ty Coleman, M.S. Committee Chair, Graduate Comprehensive Exam Committee, Sam Houston State University, Spring 2019

Emily Spindle, M.S. Committee Chair, Graduate Comprehensive Exam Committee, Sam Houston State University, Spring 2019

CY 2018

Emily Spindle, Comprehensive Exam, Graduate Research Project, Sam Houston State University, Spring 2018

Chad Reynolds, Graduate Research Project, Sam Houston State University, Spring 2018

Emily Riggan, Undergraduate Research Supervisor, Sam Houston State University, January 2016 - Spring 2018

Robyn Key, M.S. Thesis Chair, Thesis Committee, Sam Houston State University, Summer 2017 – Spring 2019

CY 2017

Charlie Holloway, M.S. Committee Chair, Graduate Comprehensive Exam Committee, Sam Houston State University, Fall 2016 - Fall 2017

Lauren Holloway, M.S. Committee Chair, Graduate Comprehensive Exam Committee, Graduate Research Project, Sam Houston State University, Fall 2016 - Fall 2017

Wade Pierce, M.S. Committee Chair, Graduate Comprehensive Exam Committee, Sam Houston State University, Spring 2016 - Fall 2017

Brandon McDow, Undergraduate Research Supervisor, Sam Houston State University, Spring 2017 - Fall 2017

Casey Roe, M.S. Committee Chair, Graduate Comprehensive Exam Committee, Sam Houston State University, Spring 2016 - Summer 2017

Rachel Feinberg, M.S. Committee Chair, Graduate Comprehensive Exam Committee, Sam Houston State University, Spring 2016 - Spring 2017

V. Professional Service (continued)

g. Graduate Theses/Dissertation, Exit Committees, Student Research Projects (continued)

CY 2016 (continued)

Hannah Lewandowski, Undergraduate Research Supervisor, Sam Houston State University,
January 2016 - August 2016

CY 2015

Kaci Geiken, M.S. Thesis Chair, Thesis Committee, Texas State University, July 2015

Juan Garcia, M.S. Graduate Oral Exam Committee, Committee Member, Texas State University,
July 2015

Lauren Robinson, M.S. Graduate Oral Exam Committee, Committee Member, Texas State
University, April 2015

Casey Roe, Undergraduate Research Supervisor, Texas State University, June 2015

CY 2014

Stephen Riggs, M.S. Graduate Oral Exam Committee, Committee Member, Texas State
University, Spring 2014

Kevin Peet, Undergraduate Research Supervisor, Texas State University, June 2014

CY 2013

Gian Cervantes, M.S. Thesis Chair, Thesis Committee, Texas State University, Spring
2011 to Spring 2013

Colton Wenske, Undergraduate Research Supervisor, Texas State University, June 2013

CY 2011

Alyson Ivey, M.S. Graduate Oral Exam Committee, Committee Member, Spring 2011

Wes Drzymala, M.S. Graduate Oral Exam Committee, Committee Member, Spring 2011

Thomas Bloxham, M.S. Graduate Written Exam Committee, Committee Member, Summer 2011

V. Professional Service (continued)

h. Invited Talks, Lectures, Presentations

CY 2022

Saucier, P. R. (2022, Spring). *Agricultural Engineering Technology Program at Sam Houston State University. Agriculture 1131: Introduction to Professional Leadership Skills, Huntsville, TX. (Departmental Service Presentation)*

CY 2021

Saucier, P. R. (2021, Spring). *Agricultural Engineering Technology Program at Sam Houston State University. Agriculture 1131: Introduction to Professional Leadership Skills, Huntsville, TX. (Departmental Service Presentation)*

CY 2020

Saucier, P. R. (Virtually). *Agricultural Engineering Technology Program at Sam Houston State University. Agriculture 1131: Introduction to Professional Leadership Skills, Huntsville, TX. (Departmental Service Presentation)*

CY 2019

Saucier, P. R. (2019, Fall). *Agricultural Engineering Technology Program at Sam Houston State University. Agriculture 1131: Introduction to Professional Leadership Skills, Huntsville, TX. (Departmental Service Presentation)*

CY 2018

Saucier, P. R. (2018, Fall). *Agricultural Engineering Technology Program at Sam Houston State University. Agriculture 1131: Introduction to Professional Leadership Skills, Huntsville, TX. (Departmental Service Presentation)*

CY 2017

Saucier, P. R. (2017, Fall). *Agricultural Engineering Technology Program at Sam Houston State University. Agriculture 1131: Introduction to Professional Leadership Skills, Huntsville, TX. (Departmental Service Presentation)*

V. Professional Service (continued)

h. Invited Talks, Lectures, Presentations (continued)

CY 2016

Saucier, P. R., & Muller, J.E. (2016, Fall). *Agricultural Engineering Technology Program at Sam Houston State University. Agriculture 1131: Introduction to Professional Leadership Skills, Huntsville, TX. (Departmental Service Presentation)*

Muller, J.E., & Saucier, P.R. (2016, Spring). *Agricultural Engineering Technology Program at Sam Houston State University. Saturday@SAM. Huntsville, TX. (Departmental Service Presentation)*

Saucier, P. R., & Muller, J.E. (2016, Spring). *Agricultural Engineering Technology Program at Sam Houston State University. Agriculture 1131: Introduction to Professional Leadership Skills, Huntsville, TX. (Departmental Service Presentation)*

CY 2015

Saucier, P. R. (2015, Fall). *Preparing to be an Awesome Ag Teacher. Sam Houston State University, Collegiate FFA meeting, Huntsville, TX. (Student Organization Service Presentation)*

Saucier, P. R., & Muller, J.E. (2015, Fall). *Agricultural Engineering Technology Program at Sam Houston State University. ExCEL@SAM. Huntsville, TX. (Departmental Service Presentation)*

Saucier, P.R., & Muller, J.E. (2015, Fall). *Agricultural Engineering Technology Program at Sam Houston State University. Saturday@SAM. Huntsville, TX. (Departmental Service Presentation)*

Saucier, P. R. (2015, Fall). *Agricultural Engineering Technology Program at Sam Houston State University. Agriculture 1131: Introduction to Professional Leadership Skills, Huntsville, TX. (Departmental Service Presentation)*

CY 2014

Saucier, P. R. (2014, Fall). *Agricultural Systems Management Program at Texas State University. Agriculture 1110: Careers in Agribusiness and Industry, San Marcos, TX. (Departmental Service Presentation)*

V. Professional Service (continued)

h. Invited Talks, Lectures, Presentations (continued)

CY 2013

Saucier, P. R. (2013, Fall). *Agricultural Systems Management Program at Texas State University. Agriculture 1110: Careers in Agribusiness and Industry, San Marcos, TX. (Departmental Service Presentation)*

CY 2012

Saucier, P. R. (2012, Fall). *Agricultural Systems Management Program at Texas State University. Agriculture 1110: Careers in Agribusiness and Industry, San Marcos, TX. (Departmental Service Presentation)*

CY 2011

Saucier, P. R. (2011, Fall). *Agricultural Systems Management Program at Texas State University. Agriculture 1110: Careers in Agribusiness and Industry, San Marcos, TX. (Departmental Service Presentation)*

CY 2010

Saucier, P. R. (2010, Spring). *Calibrating and calculating broadcast spreaders and liquid chemical sprayers. Livingston FFA Chapter, Livingston, TX. (Service Presentation)*

Saucier, P. R. (2010, Spring). *Introduction to electrical motors. Columbia FFA Chapter, Columbia, MO. (Service Presentation)*

CY 2009

Saucier, P. R. (2009, Spring). *Linking CDEs to the curriculum. University of Missouri, Department of Agricultural Education, Columbia, MO. (Professional Development Presentation)*

Saucier, P. R. (2009, Spring). *Metal fabrication techniques used for sculpture design and construction. University of Missouri, Department of Art, Columbia, MO. (Professional Development Presentation)*

CY 2008

Saucier, P. R. (2008, Fall). *A review of Missouri all-terrain vehicle accidents, injuries and fatalities. University of Missouri Annual Agricultural Engineer Extension Conference, Columbia, MO. (Research Presentation)*

V. Professional Service (continued)

i. Workshops Developed and Presented

CY 2022

Saucier, P. R. (2022, June). Women in Welding: Basic Metal Fabrication, Workshop Coordinator and Presenter, Sam Houston State University, Huntsville, TX.

Saucier, P. R. (2022, September). Women in Welding: Bumper Pull Trailer Building 101 Fabrication, Workshop Coordinator and Presenter, Sam Houston State University, Huntsville, TX.

Saucier, P. R. (2022, September). Bumper Pull Trailer Building 101 Fabrication, Workshop Coordinator and Presenter, Sam Houston State University, Huntsville, TX.

Saucier, P. R. & Reynolds, C. (2022, December). AWS Welding Certification Workshop, Workshop Host, Educational Region Service Center 6 and Sam Houston State University, Huntsville, TX

CY 2021

Saucier, P. R. & Ford, R. K. (2021, July). Vocational Agricultural Teachers Association of Texas, Workshop Presenter, Basic Agricultural Mechanics Projects for New Teachers workshop, Corpus Christi, TX.

Saucier, P. R., Anderson, R. G., & Blackburn, J. (2021, December). STEM integration into agriculture through math and applied engineering: Pathway to preparing an ATMS CDE team. 2021 National Association for Agricultural Education conference, Idea Learning Lab session, New Orleans, LA.

Saucier, P. R. (2021, June). Sam Houston State University, *Small Gas Engine Technology*, Huntsville, TX, 3 day.

Saucier, P. R. & Ford, R. (2021, December). AWS Welding Certification Workshop, Workshop Host, Educational Region Service Center 6 and Sam Houston State University, Huntsville, TX

CY 2020

None due to COVID-19 Pandemic

CY 2019

Saucier, P. R. (2019, June). Sam Houston State University, *Small Gas Engine Technology*,

Huntsville, TX, 3 day.

Saucier, P. R. (2019, June). *Trailer Building 101: Construction of a Bumper Pull, Utility Trailer*, Huntsville, TX, 1 day.

Saucier, P. R. & Ford, R. K. (2019, July). Vocational Agricultural Teachers Association of Texas, Workshop Presenter, Agricultural Mechanics 101: Beginning Shop Projects for New Teachers, 2 – 1 ½ hour workshops, Corpus Christi, TX.

V. Professional Service (continued)

i. Workshops Developed and Presented (continued)

CY 2019 (continued)

Ford, R. K. & **Saucier, P. R.** (2019, July). Vocational Agricultural Teachers Association of Texas, Workshop Presenter, Tractor Technician CDE: Electrical Diagnostics, 1 ½ hour workshop, Corpus Christi, TX.

Saucier, P. R., & Ford, R. K. (2019, September). *Gas Tungsten Arc Welding for Beginners*, Huntsville, TX, 1 day.

Saucier, P. R. (2019, December). *Beginning Welders Workshop*, Huntsville, TX, 1 day.

Saucier, P. R. & Ford, R. (2019, December). AWS Welding Certification Workshop, Workshop Host, Educational Region Service Center 6 and Sam Houston State University, Huntsville, TX

CY 2018

Saucier, P. R. (2018, June). Sam Houston State University, *Small Gas Engine Technology*, Huntsville, TX, 3 day.

Saucier, P. R. (2018, June). *Trailer Building 101: Construction of a Bumper Pull, Utility Trailer*, Huntsville, TX, 1 day.

Saucier, P. R. (2018, July). *How to train a Agricultural Technology and Mechanical Systems CDE team*, VATAT Convention, Lubbock, TX, 3 hours.

Saucier, P. R. & Ford, R. K. (2018, September). *Agricultural Science Teachers Beginning Welders Workshop – Women Only*, Huntsville, TX, 1 day.

Saucier, P. R., & Ford, R. K. (2018, September). *Gas Tungsten Arc Welding for Beginners*, Huntsville, TX, 1 day.

Saucier, P. R. (2018, December). *Beginning Welders Workshop*, Huntsville, TX, 1 day.

CY 2017

Saucier, P. R. (2017, June). Sam Houston State University, *Small Gas Engine Technology*, Huntsville, TX, 3 day.

Saucier, P. R. (2017, July). Vocational Agriculture Teachers Association of Texas Professional Development Conference, *Safely Managing an Agricultural Mechanics Laboratory*, Arlington, TX, 2 hours.

Saucier, P. R. (2017, July). Vocational Agriculture Teachers Association of Texas Professional Development Conference, *Teaching Basic Agricultural Mechanics*, Arlington, TX, 2 hours.

V. Professional Service (continued)

i. Workshops Developed and Presented (continued)

CY 2017 (continued)

Saucier, P. R., & Real, P. (2017, August). Cypress-Fairbanks Independent School District, *Small Gas Engine Technology*, Cypress, TX, 2 day.

Saucier, P. R., & Muller, J. E. (2017, September). Sam Houston State University, Workshop Coordinator and Presenter, *William R. Harrell Agricultural Mechanics Teaching Fellows Program: CNC Plasma Cutting Systems (Torchmate) – From the Basics to Project Creation*, 1 day.

Saucier, P. R., & Muller, J. E. (2017, September). Sam Houston State University, Workshop Coordinator and Presenter, *William R. Harrell Agricultural Mechanics Teaching Fellows Program: Oxygen Fuel Cutting, Heating, and Bending, and Plasma Arc Cutting (PAC)*, 1 day.

Saucier, P. R., & Muller, J. E. (2017, September). Sam Houston State University, Workshop Coordinator and Presenter, *William R. Harrell Agricultural Mechanics Teaching Fellows Program: Shielded Metal Arc Welding (SMAW) and Gas Metal Arc Welding (GMAW)*, 1 day.

Saucier, P. R., & Muller, J. E. (2017, October). Sam Houston State University, Workshop Coordinator and Presenter, *William R. Harrell Agricultural Mechanics Teaching Fellows Program: Gas Tungsten Arc Welding (GTAW)*, 1 day.

CY 2016

Saucier, P. R., & Muller, J. E. (2016, January). Sam Houston State University, Workshop Coordinator and Presenter, *How to train an Agricultural Technology and Mechanics Systems Career Development Team: Tips, Tricks, and Secrets*, 1 day.

Miles, M., Prause, C., **Saucier, P. R.** (2016, July). Vocational Agriculture Teachers Association of Texas Professional Development Conference, *Agricultural Mechanics and Agricultural Mechanics Shows for First Timers*, Corpus Christi, TX, 2 hours.

Miles, M., Prause, C., **Saucier, P. R.**, Main, M. (2016, July). Vocational Agriculture Teachers Association of Texas Professional Development Conference, *Introduction to Agricultural Mechanics: Agricultural Mechanics and Metal Technology*, Corpus Christi, TX, 2 hours.

Prause, C., Edney, K.C., & **Saucier, P. R.** (2016, July). Vocational Agriculture Teachers Association of Texas Professional Development Conference, *Agricultural Swap Shop*, Corpus Christi, TX, 2 hours.

V. Professional Service (continued)

i. Workshops Developed and Presented

CY 2016 (continued)

Saucier, P. R., & Muller, J. E. (2016, July). Vocational Agriculture Teachers Association of Texas Professional Development Conference, *Sam Houston State University Welding and Metal Fabrication Contest*, Corpus Christi, TX, 2 hours.

Saucier, P. R., & Muller, J. E. (2016, September). Sam Houston State University, Workshop Coordinator and Presenter, *William R. Harrell Agricultural Mechanics Teaching Fellows Program: Tractor Technician CDE – How to train a Tractor Technician CDE team*, 1 day.

Saucier, P. R., & Muller, J. E. (2016, September). Sam Houston State University, Workshop Coordinator and Presenter, *William R. Harrell Agricultural Mechanics Teaching Fellows Program: Gas Tungsten Arc Welding (GTAW) – GTAW for Teachers*, 1 day.

Saucier, P. R. (2016, December). National Association of Agricultural Educators Professional Development Conference, *Avoiding Disaster: Safely managing and utilizing an agricultural mechanics laboratory for effective student instruction*, Las Vegas, NV, 2 hours.

Saucier, P. R. (2016, December). National Association of Agricultural Educators Professional Development Conference, *Mathematics in Agriculture, Food, and Natural Resources (AFNR): Teaching mathematics to enhance student performance in the classroom, laboratory, and the Agricultural Technology and Mechanical Systems Career Development Event*, Las Vegas, NV, 2 hours.

CY 2015

Saucier, P. R. (2015, July). Vocational Agriculture Teachers Association of Texas Professional Development Conference, *Small gas engine technology: Theory of operations, maintenance, troubleshooting, and repair*, Waco, TX, 1 day.

Saucier, P. R., & Muller, J. E. (2015, September). Sam Houston State University, Workshop Coordinator and Presenter, *William R. Harrell Agricultural Mechanics Teaching Fellows Program: Shielded Metal Arc Welding (SMAW) and Gas Metal Arc Welding (GMAW)*, 1 day.

Saucier, P. R., & Muller, J. E. (2015, September). Sam Houston State University, Workshop Coordinator and Presenter, *William R. Harrell Agricultural Mechanics Teaching Fellows Program: Oxygen – Fuel Cutting, Oxygen – Acetylene Welding, and Plasma Arc Cutting*, 1 day.

V. Professional Service (continued)

i. Workshops Developed and Presented

CY 2015 (continued)

Saucier, P. R., & Muller, J. E. (2015, September). Sam Houston State University, Workshop Coordinator and Presenter, *William R. Harrell Agricultural Mechanics Teaching Fellows Program: Metal Fabrication Tools*, 1 day.

Saucier, P. R., & Muller, J. E. (2015, September). Sam Houston State University, Workshop Coordinator and Presenter, *William R. Harrell Agricultural Mechanics Teaching Fellows Program: Agricultural Mechanics STEM Laboratory Practicum*, 1 day.

CY 2014

Saucier, P. R. (2014, September, October). Texas State University, Workshop Coordinator, *Small gas engine technology: Theory of operations, maintenance, troubleshooting, and repair*, 1 day each.

CY 2013

Saucier, P. R. (2013, June). Texas State University, Workshop Coordinator, *Small gas engine technology: Theory of operations, maintenance, troubleshooting, and repair*, 4 workshops, 2 days each.

Saucier, P. R. (2013, August). Vocational Agriculture Teachers Association of Texas Professional Development Conference, *Introduction to Agricultural Mechanics Projects*, Corpus Christi, TX, 2 hours.

CY 2012

Saucier, P. R. (2012, June). Texas State University, Workshop Coordinator, *Electricity in agriculture: Circuits, electric motors, and system controls*, 1 day.

Saucier, P. R. (2012, June). Texas State University, Workshop Coordinator, *Small gas engine technology: Theory of operations, maintenance, troubleshooting, repair, and STEM integration*, 2 day.

CY 2011

Saucier, P. R. (2011, June). Texas State University, Workshop Presenter, *Basic Welding and Metal Fabrication Skills: No Boys Allowed*, 1 day.

V. Professional Service (continued)

i. Workshops Developed and Presented

CY 2010

Saucier, P. R. (2010, July). Vocational Agriculture Teachers Association of Texas, *Agricultural mechanics instructional methods: Small gas engines*. Galveston, TX, 2 hours.

Saucier, P. R. (2010, December). Texas State University, Presenter, *Tractor Technician CDE Contest*, 1 day.

Saucier, P. R. (2010, December). Association for Career and Technical Education Conference, Workshop Presenter, *Avoiding Disaster: Safely Managing and Utilizing an Agricultural Mechanics Laboratory for Effective Student Instruction*, Las Vegas, NV, 2 hours.

Saucier, P. R. (2010, October). Texas State University, Presenter, *Mathematics in Agriculture, Food & Natural Resources (AFNR): Teaching mathematics to enhance student performance, understanding the TEKS, and the Agricultural Mechanics CDE*, 1 day.

CY 2008

Saucier, P. R. (2008, January). 2008 Area 3 Mid-Winter Agricultural Science Teachers Conference, *Instructional strategies and lab projects for introduction to agricultural mechanics and home improvement and repair classes*. College Station, TX, 2 hours.

CY 2007

Saucier, P. R. (2007). Vocational Agriculture Teachers Association of Texas Professional Development Conference, *Integrating agricultural mechanics curriculum and SAE projects into 8th grade agricultural science programs*, Arlington, TX, 2 hours.

VI. Grants, Funding, & In-Kind Contributions

a. Funded External Grants and Contracts = \$3,850,978

Sam Houston State University = \$227,074

Texas State University = \$3,621,904.00

City View High School = \$2,000.00

CY 2022

Borges, B., Anderson, R. G., **Saucier, P. R.**, & Haynes, C. (**Funded**). Standardizing welding education and training. United States Department of Agriculture – Higher Education Challenge Grant – NIFA. Value: SHSU Year(s) 1-3 Total = \$224,948; Overall Total = 750,000.00, **Co-Principal Investigator**

Pannkuk, T., Nair, S., **Saucier, P. R.**, Sudhakaran, P., and Ullrich, D. (In-Review) Creation of an Aquaponics Production, Processing, and Marketing Cooperative to Boost the Rural Economy of East Texas. National Science Foundation – Engines Grant. Requested \$879,000 over 2 years. Submitted Sept 29, 2022 – notification in April 2023. **Co-Principal Investigator.**

Saucier, P. R., Reynolds, C., Victoria, M., Anderson, R., & Borges, B. (In-Review). Southwest Agriculture and Food security Education Through Youth recruitment and development (SAFETY): Preparing Future Leaders for a Safe and Secure U.S. Food Supply System. United States Department of Agriculture – Next Gen Grant – NIFA. Value: \$9,999,259.00 over 5 years. **Principal Investigator.**

VI. Grants, Funding, & In-Kind Contributions

Funded External Grants and Contracts (continued)

CY 2017

Pannkuk, T., & **Saucier, P. R.** (2017). *Turfgrass drought tolerance using thermal imaging*, Funded through technology cost recovery funds through the USDA Agricultural Sustainable Energy Education Network (ASEEN) grant, **Co – Principal Investigator**, Value = \$2,126.00.

CY 2014

Saucier, P. R., & Morrish, D. G. (2014). Southwest agriculture and food security education: Preparing future leaders for a safe and secure U.S. food supply system. *United States Department of Agriculture-Hispanic Serving Institutions Program-NIFA*. Value: Year 1 = \$249,904.00; Four Year Total = \$998,856.00, **Principal Investigator**

Morrish, D. G., **Saucier, P. R.**, and Garza, N. R. (2014). Food safety and agroterrorism training: Education our future workforce. *United States Department of Agriculture-Hispanic Serving Institutions Program – NIFA*. Value: \$885,000.00, **Co- Principal Investigator**

CY 2013

Morrish, D. G., **Saucier, P. R.**, and Garza, N. R. (2013). Food safety and agroterrorism training: Education our future workforce. *United States Department of Agriculture-Hispanic Serving Institutions Program – NIFA*. Value: \$825,000.00, **Co- Principal Investigator**

CY 2012

Morrish, D. G., **Saucier, P. R.**, and Garza, N. R. (2012). Food safety and agroterrorism training: Education our future workforce. *United States Department of Agriculture- Hispanic Serving Institutions Program – NIFA*. Value: \$862,000.00, **Co-Principal Investigator**

CY 2011

Morrish, D. G., **Saucier, P. R.**, and Garza, N. R. (2011). Food safety and agroterrorism training: Education our future workforce. *United States Department of Agriculture-Hispanic Serving Institutions Program-NIFA*. Value: \$800,000.00, **Co-Principal Investigator**

City View Independent School District = \$2,000.00

CY 2004

Saucier, P. R. (2004). *City View I.S.D. Agricultural Mechanics Equipment Improvement*, North Texas Tech Prep Consortium, (Funded, \$2,000.00), **Principal Investigator**

VI. Grants, Funding, & In-Kind Contributions (continued)

b. Submitted, but not Funded, External Grants and Contracts (continued)

Sam Houston State University

CY 2021

Borges, B., Anderson, R. G., **Saucier, P. R.**, & Haynes, C. Standardizing welding education & extension training. United States Department of Agriculture – Capacity Building Grants for Non-Land Grant Colleges of Agriculture Program – NIFA. **Co-Principal Investigator**

CY 2020

Saucier, P. R. (2020). Spark something great 2021 educational grant program – Hypertherm. **Principal Investigator.**

Anderson, R. G., Langley, G. C., & **Saucier, P. R.** (2020). Standardizing welding education & extension training. United States Department of Agriculture – Capacity Building Grants for Non-Land Grant Colleges of Agriculture Program – NIFA. **Co- Principal Investigator**

CY 2019

Pannkuk, T., & **Saucier, P. R.** (2019). St. Augustinegrass Drought Study. Texas Turfgrass Research, Education, and Extension Endowment (TTREE).

CY 2017

Pannkuk, T., & **Saucier, P. R.** (2017). Response of St. Augustine grass cultivars to spring season drought. *Texas Turfgrass Research, Education, and Extension Endowment*, November 2017, **Co – Principal Investigator.**

CY 2016

Saucier, P. R., & Pannkuk, T. (2016) Texas agriculture and food safety outreach education program (TAFSOEP): Developing innovative leaders for a safe and secure U.S. food supply system. United States Department of Agriculture – Food Safety Outreach Competitive Grants Program, May 2016, **Principal Investigator**

Saucier, P. R., & Anderson, M. J. (2016). Southern agriculture and food security education (SAFE): Developing innovative leaders for a safe and secure U.S. food supply system. *United States Department of Agriculture – Capacity Building Grants for Non-Land Grant Colleges of Agriculture (NLGCA) Program*, April 2016, **Principal Investigator**

Saucier, P. R., & Ullrich, D. R. (2016). Agricultural systems, sciences, sustainable, and engineering technology professional development workshops. *United States Department of Agriculture – Agriculture and Food Research Initiative Competitive Grants Program –*

NIFA, March 2016, **Principal Investigator**

VI. Grants, Funding, & In-Kind Contributions (continued)

c. Submitted, but not Funded, External Grants and Contracts (continued)

Texas State University

CY 2013

Southwest Agriculture and Food Security Education: Preparing Future Leaders for a Safe and Secure U.S. Food Supply System, USDA-Hispanic Serving Institutions Education Grants Program (HSI), February 2013, **Principal Investigator**

CY 2012

Semi-Arid Regional Alliance for Sustainable Building and Construction (SARASBC). National Science Foundation – Sustainable Energy Pathways #NSF 11-590, February 2012, **Co-Principal Investigator**.

CY 2011

Professional Development Needs of Texas Agricultural Mechanics Teachers, Texas State University-San Marcos, October 2011, **Principal Investigator**

Preparing Underserved Minorities for Agriculture: Leadership, Recruitment, Education, Retention, and Career Preparation, USDA-Hispanic-Serving Institutions Education Grants Program (HSI), March 2011, **Principal Investigator**

30 x \$10,000 Technology Grant, Vernier Software and Technology, April 2011, **Principal Investigator**

University of Missouri

CY 2009

Preparing Leaders and Managers for the Bio-Energy Industry, USDA- CREES Higher Education Challenge Grant, January 2009, **Senior Grant Staff**

CY 2008

ATV Safety Habits and Attitudes of Selected East Texas Agricultural Youth, Southwest Center for Agricultural Health, Injury Prevention and Education, May 2008, **Principal Investigator**

Introduction to Bio-Fuels Course, Agrowknowledge.org, April 2008, **Co-Principal Investigator**

VI. Grants, Funding, & In-Kind Contributions (continued)

b. Funded Internal Grants and Contracts = \$23,718.00

Sam Houston State University = \$15,718.00

Texas State University = \$1,750.00

University of Missouri = \$6,250.00

CY 2022

Reynolds, C., & **Saucier, P. R.** (2022). A 20 year review (2003 vs. 2013 vs. 2023) of student safety exposure from Houston Livestock Show and Rodeo Agricultural Mechanics Project Show participants. Sam Houston State University, School of Agricultural Sciences, Agricultural Development Fund, Internal Grants (\$750.00). **Co-Principal Investigator.**

CY 2020

Kahn, K. M., & **Saucier, P. R.** (2021). A pilot study to evaluate the feasibility and effectiveness of a hearing conservation program for farm youth via smartphone apps in Texas. Sam Houston State University, Office of Research and Sponsored Programs – Internal Grants Programs, Pilot Studies for Future Funding Program, Year 1 = \$14,968.00., **Co-Principal Investigator**

CY 2011

Saucier, P. R. (2011). *Agricultural Career Exploration Field Trip*, Texas State University, November 2011, **Principal Investigator**, Value = \$1,750.00.

CY 2008

Saucier, P. R., (2008). *A Surveillance of Midwestern ATV Incidents, Injuries and Fatalities*, University of Missouri, Funded Contract, **Principal Investigator**, Value = \$6,250.00

VI. Grants, Funding, & In-Kind Contributions (continued)

d. In-Kind Contributions (2010 – present) Total = \$1,071,068.19

Total at Sam Houston State University (September 2015 – present) = \$739,628.19

CY 2022 = \$239,344.38

Mustang Caterpillar, Cash donations, Monthly donation of \$4,000.00. Valued at \$48,000.00.
(January through December 2022)

Mustang Caterpillar, Machinery rental and delivery for AGET 4369 student instruction. Valued at
\$60,202.38 (Spring 2022 \$ 27,175.93 and Fall 2022 \$33,026.45).

Lincoln Electric, Welding electrodes, welding safety packs, Real Weld systems, Valued at
\$130,302.00 (2022)

Air Gas, compressed gases for FFA contest, Valued at \$840.00 (Spring 2022)

CY 2021 = \$113,228.13

Briggs and Stratton Corporation, Assorted size small gas engines, Quantity 105, Valued at
\$43,000.00. (June 2021)

Mustang Caterpillar, Cash donations, Monthly donation of \$2,500.00. Valued at \$30,000.00.
(January through December 2021)

Mustang Caterpillar, Machinery rental and delivery for AGET 4369 student instruction. Valued at
\$29,228.13 (Fall 2021).

Lincoln Electric, Welding electrodes and welding hoods, Valued at \$2,000.00 (Fall 2021)

Rain Bird Corporation, Irrigation controller, Valued at \$9,000.00 (November 2021)

CY 2020 = \$42,250.00

Georgia-Pacific Corporation, Lumber, Valued at \$4,800.00. (January 2020)

NUCOR Corporation, c channel, angle, Valued at 7,450.00 (March 2020)

Mustang Caterpillar, Cash donations, Monthly donation of \$2,500.00. Valued at \$30,000.00.
(January through December 2020)

VI. Grants, Funding, & In-Kind Contributions (continued)

d. In-Kind Contributions (continued)

CY 2019 = \$125,331.00

Briggs and Stratton Corporation, Assorted size small gas engines, Quantity 256, Valued at \$75,776.00. (June 2019)

Georgia-Pacific Corporation, Lumber, Valued at \$4,800.00. (December 2019)

Lincoln Electric, Welding electrodes and welding hoods, Valued at \$2,000.00 (Spring 2019)

Mustang Caterpillar, Cash donations, Monthly donation of \$2,500.00. Valued at \$30,000.00. (January through December 2019)

NUCOR Corporation, Steel flat bar, c channel, angle, Valued at \$12,755.00. (August 2019)

CY 2018 = \$127,844.00

NUCOR Corporation, Steel flat bar, c channel, angle, Valued at \$14,172.80, September 2018 and December 2018

Georgia-Pacific Corporation, Lumber and plywood, Valued at \$5,191.20, December 2018

Briggs and Stratton Corporation, Assorted size small gas engines, Quantity 130, Valued at \$38,480.00, June 2018

Mustang Caterpillar, Cash donations, Valued at \$70,000.00

CY 2017 = \$64,204.68

Georgia-Pacific Corporation, Structural lumber and plywood, Valued at \$4,204.68, September 2017.

Briggs and Stratton Corporation, 9 hp Briggs and Stratton Engines, Quantity 120, Valued at \$60,000.00, June 2017

VI. Grants, Funding, & In-Kind Contributions (continued)

d. In-Kind Contributions (continued)

CY 2016 = \$27,426.00

Rain Bird Corporation, Irrigation system components, Valued at \$2,000.00, January 2016

NUCOR Corporation, Steel flat bar, Valued at \$9,000.00, March 2016

Briggs and Stratton Corporation, 10 hp Briggs and Stratton Engines, Quantity 15, Valued at \$16,426.00, April 2016

Total at Texas State University (June 2010 – August 2015) = \$ 331,440.00

CY 2014 = \$49,440.00

Briggs and Stratton Corporation, 10 hp and 4.75 hp Briggs and Stratton Engines, Quantity 136, Valued at \$49,440.00, June 2014

CY 2013 = \$88,000.00

Holt AgriBusiness, Massey Ferguson MF2660HD Tractor with loader, Valued at \$54,000.00, March 2013

Holt AgriBusiness, Massey Ferguson MF2615 Tractor with loader, Valued at \$34,000.00, December 2013

CY 2012 = \$187,000.00

Briggs and Stratton Corporation, 6 ½ hp Briggs and Stratton Engines, Quantity 480, Valued at \$187,000.00, September 2012

CY 2011 = \$5,000.00

AGCO Corporation, Gleaner A6 Series Combine Engine, Valued at \$5,000.00, July 2011

CY 2010 = \$2,000.00

Kubota Tractor Corporation, RTV900XT Diesel Engine and Transmission, Valued at \$2,000.00, October 2010

VII. Awards and Honors

CY 2022

Faculty Excellence in Service Award, College of Science and Engineering Technology, Sam Houston State University

VIP Citation, National FFA Organization, 95th National FFA Convention.

Distinguished Research Poster, 41st National Agricultural Mechanics Professional Development Blue Ribbon Research Conference, October 2022. *Personal protection equipment (PPE) use in selected Texas school-based agricultural mechanics laboratories.*

Distinguished Innovative Idea Poster, 41st National Agricultural Mechanics Professional Development Blue Ribbon Research Conference, October 2022. *Incorporating power machinery management practicum course to train undergraduate students in agricultural and construction equipment operations.*

CY 2021

1st Place Research Paper (In-Person Sessions), 2021 Association for Career and Technical Education Research (Hybrid), November 2021. *Perceptions of curriculum availability for career and technical education teachers to teach small gas engine technology in secondary schools.*

CY 2020

Outstanding Research Paper (1st Place), 39th National Agricultural Mechanics Professional Development Blue Ribbon Research Conference, Virtual, October 2020. *Effects of a professional development session on career and technical education teachers' importance to teach small gas engines.*

Distinguished Research Paper (2nd Place), 39th National Agricultural Mechanics Professional Development Blue Ribbon Research Conference, Virtual, October 2020. *Identifying the curriculum available for career and technical education teachers to teach small gas engine skills.*

Outstanding Research Poster (1st Place), 39th National Agricultural Mechanics Professional Development Blue Ribbon Research Conference, Virtual, October 2020. *Effects of a professional development session on career and technical education teachers' knowledge to teach small gas engines.*

VII. Awards and Honors (continued)

CY 2019

Outstanding Research Paper (1st Place), 38th National Agricultural Mechanics Professional Development Blue Ribbon Research Conference, Indianapolis, IN, October 2019. *Agricultural mechanics professional development needs of novice, school-based Texas agricultural, food, and natural resource teachers*

Distinguished Research Paper, (2nd Place), 38th National Agricultural Mechanics Professional Development Blue Ribbon Research Conference, Indianapolis, IN, October 2019. *CNC Plasma Arc Cutting Professional development workshop: Implications of the knowledge, performance, and consequence competence of school-based agricultural, food, and natural resource (AFNR) teachers*

Distinguished Research Poster, (2nd Place), 38th National Agricultural Mechanics Professional Development Blue Ribbon Research Conference, Indianapolis, IN, October 2019. *An evaluation of the Briggs and Stratton Small Gas Engine Technology Workshop: A national evaluation of teacher professional development needs*

Outstanding Innovative Idea Poster (1st place), 38th National Agricultural Mechanics Professional Development Blue Ribbon Research Conference, Indianapolis, IN, October 2019. *Increasing student welding comprehension utilizing an instructor-led, blue tooth welding hood camera: Students perceptions of technology innovations*

Distinguished Innovative Idea Poster (3rd place), 38th National Agricultural Mechanics Professional Development Blue Ribbon Research Conference, Indianapolis, IN, October 2019. *Using budget friendly agricultural mechanics projects to facilitate high impact learning outcomes*

CY 2018

1st Place, Outstanding Research Paper, 37th National Agricultural Mechanics Blue Ribbon Professional Development Conference, Indianapolis, IN. *Agricultural laboratory safety education exposure levels of students participating in the Houston Livestock Show Agricultural Mechanics Project Show: A generational review.*

1st Place, Outstanding Research Poster, 37th National Agricultural Mechanics Blue Ribbon Professional Development Conference, Indianapolis, IN. *Confidence levels of entry year, Texas, school-based Agriculture, Food, and Natural Resource teachers to instruct agricultural mechanics skills.*

VII. Awards and Honors (continued)

CY 2018 (continued)

2nd Place, Distinguished Research Poster, 37th National Agricultural Mechanics Blue Ribbon Professional Development Conference, Indianapolis, IN. *An examination of agricultural mechanics laboratory safety conditions in Texas: Perceptions from Texas agricultural, food, and natural resource (AFNR) teachers who supervised students competing in the 2018 San Antonio Junior Agricultural Mechanics Project Show.*

CY 2017

1st Place, Outstanding Research Paper, 36th National Agricultural Mechanics Blue Ribbon Professional Development Conference, Indianapolis, IN. *Agricultural mechanics professional development needs of novice, school-based Texas agricultural science teachers*, 2017.

2nd Place, Distinguished Research Poster, 36th National Agricultural Mechanics Blue Ribbon Professional Development Conference, Indianapolis, IN. *An examination of the agricultural mechanics professional development needs of the 2016 National FFA Agricultural Technology and Mechanical Systems Career Development Event FFA advisors*, 2017.

3rd Place, Distinguished Research Poster, 36th National Agricultural Mechanics Blue Ribbon Professional Development Conference, Indianapolis, IN., 2017. *Career retention of Texas, school-based, female agricultural mechanics teachers: An examination of influential factors*, 2017.

CY 2016

1st Place, Outstanding Research Paper, 35th National Agricultural Mechanics Blue Ribbon Professional Development Conference, Indianapolis, IN. *An evaluation of the knowledge, performance, and consequence competence in a science, technology, engineering, and mathematics (STEM) based professional development for school-based agricultural science teachers: An assessment of a computer numerical control (CNC) plasma arc cutting workshop*, 2016.

1st Place, Outstanding Research Poster, 35th National Agricultural Mechanics Blue Ribbon Professional Development Conference, Indianapolis, IN. *Professional development needs of early career Texas agricultural science teachers: A focus on agricultural mechanics*, 2016.

3rd Place, Distinguished Research Poster, 35th National Agricultural Mechanics Blue Ribbon Professional Development Conference, *An analysis of a professional development workshop for school-based agriculture teachers: A focus on the instruction of STEM-based metal fabrication processes*, 2016.

VII. Awards and Honors (continued)

CY 2016 (continued)

5th Place, Outstanding Student Research Poster, 2016 Agricultural Consortium of Texas, Stephenville, TX. *An analysis of a professional development workshop for school-based agriculture teachers: A focus on trailer design and fabrication*, 2016.

Teaching Award of Merit, North American Colleges and Teachers of Agriculture.

Honorary Lone Star FFA Degree, Texas FFA Association, 88th Texas FFA Convention.

CY 2015

1st Place, Outstanding Research Poster, 34th National Agricultural Mechanics Blue Ribbon Professional Development Conference, Louisville, KY. *Career satisfaction of Texas school-based female agriculture mechanics teachers: An examination of influential factors*, 2015.

3rd Place, Distinguished Research Poster, 34th National Agricultural Mechanics Blue Ribbon Professional Development Conference, Louisville, KY. *An examination of the shortage of agricultural mechanics teachers in Texas: A review of desired employability characteristics by administrators and local school districts*, 2015.

3rd Place, Distinguished Innovative Idea Poster, 34th National Agricultural Mechanics Blue Ribbon Professional Development Conference, Louisville, KY. *The integration of science, technology, engineering, and mathematics (STEM) competencies into the Texas agricultural mechanics metal fabrication curriculum: A professional development model for school-based agricultural educators*, 2015.

CY 2014

1st Place, Outstanding Research Manuscript, 33rd National Agricultural Mechanics Committee Blue Ribbon Poster Session, Louisville, KY. *Agricultural mechanics curriculum skill standards for U.S. agricultural science teachers: A Delphi study*, 2014.

1st Place, Outstanding Research Poster, 33rd National Agricultural Mechanics Committee Blue Ribbon Poster Session, Louisville, KY. *What skills should a new agriculture teacher be able to instruct in the agricultural mechanics laboratory? A national Delphi study*, 2014.

North American Colleges and Teachers of Agriculture, Teaching Award of Merit, 2014.

1st Place, Presidential Distinction Award for Scholarly/Creative Activity, College of Applied Arts, Texas State University, 2014.

VII. Awards and Honors (continued)

CY 2013

2nd Place, Distinguished Research Manuscript, 32nd Annual National Agricultural Mechanics Professional Development Conference, Louisville, KY, *How safe are New Mexico agricultural mechanics programs?: An examination of the professional development needs of school-based New Mexico agriculture teachers' ability to safely manage agricultural mechanics laboratories*, 2013.

1st Place, Distinguished Research Poster, 32nd Annual National Agricultural Mechanics Professional Development Conference, Louisville, KY, *The physical health and lifestyle habits of Texas agriculture science teachers*, 2013.

3rd Place, Distinguished Research Poster, 32nd Annual National Agricultural Mechanics Professional Development Conference, Louisville, KY, *Diesel Fuel Performance in a Farm Utility Tractor: A Comparison of Traditional D2 Diesel Fuel and Biodiesel Blended Fuels*, 2013.

CY 2012

1st Place, Outstanding Conference Research Paper, 30th Annual Conference for the Association for Career and Technical Education Research, Atlanta, GA, *Assessing performance and consequence competence in a technology-based professional development for agricultural science teachers: An evaluation of the Lincoln Electric Welding Technology Workshop*, 2012.

3rd Place, Distinguished Research Manuscript, 31st Annual National Agricultural Mechanics Committee Blue Ribbon Professional Development Conference, Indianapolis, IN, *Selected factors influencing Missouri school-based agricultural educators to instruct agricultural mechanics curriculum*, 2012.

VII. Awards and Honors (continued)

CY 2011

- 2nd Place, Outstanding Research Manuscript**, Western Region – American Association for Agricultural Education Research Conference, Fresno, CA, *A multi-state factor-analytic and psychometric meta-analysis of agricultural mechanics laboratory management competencies*, 2011.
- 1st Place, Research Poster**, Southern Region – American Association for Agricultural Education Research Conference, Corpus Christi, TX, *Essential agricultural mechanics skills for beginning agricultural educators: A Delphi approach*, 2011.
- 1st Place, Outstanding Research Poster**, American Association for Agricultural Education Research Conference, Coeur d'Alene, ID, *Essential agricultural mechanics skills for beginning agricultural educators: A Delphi approach*, 2011.

CY 2010

- 2nd Place, Outstanding Graduate Student Research Poster**, Southern Region – American Association for Agricultural Education Research Conference, Orlando, FL, *Characteristics of Missouri agricultural mechanics programs: A generational review*, 2010.
- 1st Place, Outstanding Research Manuscript**, Western Region – American Association for Agricultural Education Research Conference, Great Falls, MT, *Laboratory management in-service needs of Wyoming secondary agriculture teachers*, 2010.
- 1st Place, Outstanding Research Paper Presentation**, Western Region – American Association for Agricultural Education Research Conference, Great Falls, MT, *Laboratory management in-service needs of Wyoming secondary agriculture teachers*, 2010.
- Distinguished Manuscript**, American Association for Agricultural Education Research Conference, Omaha, NE, *Professional development needs of Missouri agricultural educators*, 2010.

VII. Awards and Honors (continued)

CY 2009

1st Place, Outstanding Research Poster, North Central Region – American Association for Agricultural Education Research Conference, Lincoln, NE, *FFA professional development needs of Missouri agricultural educators*, 2009.

1st Place, Outstanding Innovative Poster, North Central Region – American Association for Agricultural Education Research Conference, Lincoln, NE, *Professional development through winter technical institutes: Agricultural electrification*, 2009.