



SEBASTIAN P. SZYJKA

Professor of Science Education
Western Illinois University
School of Education
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EDUCATION

Ph.D., Curriculum & Instruction (2009) Southern Illinois University - Carbondale
M.S., Education (2004) Western Illinois University
B.S., Recreation, Park, & Tourism Administration (1999) Western Illinois University

TEACHING & RELATED DUTIES

WESTERN ILLINOIS UNIVERSITY – Macomb, Illinois	2023-present
Professor of Science Education	
Director of Maurice Kellogg Science Education Center	2019-present
Science Education Center Webmaster	2019-present
Curriculum & Instruction Graduate Coordinator	2017-present
Undergraduate Program Coordinator	2019-present
<ul style="list-style-type: none">• CI 600: Graduate Seminar (Action Research) Capstone Project• CI 566: Trends/Issues in Elementary Education• CI 403(G): Middle Level Education• SCED 509: Inquiry into Science Assessment in the Elementary Classroom• SCED 562: Science Curriculum in the Elementary School• SCED 464: Integrating Science Through Inquiry• SCED 364: Elementary School Science Methods	

ADMINISTRATION

WESTERN ILLINOIS UNIVERSITY – Macomb, Illinois	2022-2023
Professor & Interim Director	
<ul style="list-style-type: none">• Overseeing and reviewing long-range school goals and objectives.• Recruiting new faculty and non-academic personnel.• Evaluating school members for retention or non-renewal of appointment.• Recommending tenure and promotion.• Preparing and administering the school budget.• Preparing schedules of courses and class assignments of school faculty.• Supervising the development of school curriculum.• Encouraging faculty members in the school to improve themselves professionally through study, research, and participation in professional organizations.	

- Furnishing leadership for evaluation and improvement of instruction and academic advisement in the school.
- Serving as a review officer with regard to student grievances.
- Classroom teaching as appropriate and all other matters which affect the general welfare of the school.
- Convening school meetings on a regular basis.

TEACHING & RELATED DUTIES

WESTERN ILLINOIS UNIVERSITY – Macomb, Illinois	2016-2022
Associate Professor of Science Education	
Director of Maurice Kellogg Science Education Center	2019-2022
Science Education Center Webmaster	2019-2022
Curriculum & Instruction Graduate Coordinator	2017-2022
Undergraduate Program Coordinator	2019-present
<ul style="list-style-type: none"> • Overall evaluation mean (33 courses): 4.44 • CI 600: Graduate Seminar (Action Research) Capstone Project • CI 566: Trends/Issues in Elementary Education • CI 403(G): Middle Level Education • SCED 509: Inquiry into Science Assessment in the Elementary Classroom • SCED 562: Science Curriculum in the Elementary School • SCED 464: Integrating Science Through Inquiry • SCED 364: Elementary School Science Methods • CI 110: Introduction to Education • ELED 371: Field Experience II 	
WESTERN ILLINOIS UNIVERSITY – Macomb, Illinois	2010-2016
Assistant Professor of Science Education	
Science Center Associate	
<ul style="list-style-type: none"> • Overall evaluation mean (35 courses): 4.56 • CI 600: Graduate Seminar (Action Research) Capstone Project • CI 403(G): Middle Level Education • SCED 509: Inquiry into Science Assessment in the Elementary Classroom • SCED 464: Integrating Science Through Inquiry • CI 110: Introduction to Education • SCED 364: Elementary School Science Methods • ELED 371: Field Experience II • CI 566: Issues and Trends in Elementary Education 	
CENTRAL MICHIGAN UNIVERSITY – Mt. Pleasant, Michigan	2009-2010
Assistant Professor of Science Education	
<ul style="list-style-type: none"> • EDU 345: Science Methods in Elementary Education • EDU 662: Applied Educational Measurement and Evaluation 	
SOUTHERN ILLINOIS UNIVERSITY – Carbondale, Illinois	2007-2009
Graduate Teaching Assistant	
<ul style="list-style-type: none"> • CI 426: Science Methods for Elementary Teachers • CI 498D: Workshop in Science Education 	

HARRISON SCHOOL DISTRICT TWO – Colorado Springs, Colorado
Grade 8 Science and Mathematics Teacher

2002-2005

PROFESSIONAL

SOUTHERN ILLINOIS UNIVERSITY – Carbondale, Illinois
Graduate Research Assistant

2005-2007

GRANTS: \$349,600

- Szyjka, S. (PI), (March, 2013). Tracy Family Foundation. *Curriculum Reconfiguration: Integrating Science and Literacy throughout St. Paul School (K-6)*. \$64,350
- Szyjka, S. (PI), Olsen, J., & Mumba, F. (2012-2013). Illinois State Board of Education MSP WIP 4, *Western Illinois Mathematics Teacher Transformation Institute (WI-MTTI)*. \$280,000
- Szyjka, S. (PI), (May, 2012). Western Illinois University – University Research Council Grant Program. *The Science Teacher Enhancement Pilot Project (STEPP)*. \$5,000
- Szyjka, S., & Stinnett, M. (November, 2011). *Illinois Association of Teacher Educators' Research Mini-Grant Program*. \$250

CURRENT RESEARCH

- Psychometric Evaluation/Development of Science Education Instruments

PUBLICATIONS: REFEREED

Szyjka, S. (2023, in process). Re-examining psychometric qualities of the three-dimensional elementary science attitude survey.

Szyjka, S. (2020). Logical Thinking as a Cognitive Flexibility Predictor on Reading Comprehension of Elementary Pre-Service Teachers. *Journal of European Education*. 10(1-2), 29-37.

Szyjka, S., Singh, A., & Stinnett, M. (2018). Perspective Into How an Integrated Science and Literacy Program Can Influence Teacher and Student Outcomes. *Journal of European Education*. 8(2), 14-36.

Szyjka, S. (2012). Relationships among pre-service elementary education teachers' mathematical achievement, science-based cognition and attitude. *Journal of European Education*. 2(1), 40-55.

Szyjka, S. (2012). Understanding research paradigms: Trends in science education research. *Problems of Education in the 21st Century*. 43(3), 110-118. **(Cited by 154)**

Szyjka, S., & Mumba, F. (2012). Psychometric reconstruction of the inquiry science teaching strategies (ISTS) instrument. *Journal of Baltic Science Education*. 11(1), 55-66.

Szyjka, S., Mumba, F., & Wise, K. (2011). Confirmatory factor analysis of the questionnaire of attitude toward statistical graphs for use in science education. *Journal of Baltic Science Education*. 10(4), 261-276.

Szyjka, S., Mumba, F., & Wise, K. (2011). Cognitive and attitudinal predictors related to line graphing achievement among elementary pre-service teachers. *Journal of Science Teacher Education*. 2(23), 563-578.

Szyjka, S., & Mumba, F. (2009). Preparing science teachers for inclusive classrooms: Components of a suggested model for science teacher training. *Southeastern Teacher Education Journal*. 2(4), 1-12.

PUBLICATIONS: NON-REFEREED

Szyjka, S. (2012). Learning Cycle for Literacy. *Illinois Reading Council Journal*. 41(1), 73-77.

CONFERENCE PRESENTATIONS: REFEREED

Szyjka, S. (January, 2021). *Promoting Diversity in Elementary Science Education*. Presented (see PDF page 9 in conference program) at The Hawaii International Conference on Education in Honolulu, HI.

Szyjka, S., & Singh, A. (January, 2020). *Designing appropriate STEM activities that align to NGSS: Collaboration is key to the process*. Round table discussion presented at The Hawaii International Conference on Education in Honolulu, HI.

Szyjka, S., & Singh, A. (January, 2020). *Re-examining psychometric qualities of the three-dimensional elementary science attitude survey*. Poster presented at The Hawaii International Conference on Education in Honolulu, HI.

Szyjka, S., & Powers, D. (April, 2019). *STEM-Related Activities for K-8 Science* at National Science Teachers Association 2019 St. Louis. MO.

Szyjka, S., & Singh, A. (April, 2019). *Science Activities to Develop Deeper Conceptual Understanding* at National Science Teachers Association 2019 St. Louis. MO.

Szyjka, S. (April, 2019). *Engineering Designs*. Presentation “Meet Me in the Middle Share-a-thon” at National Science Teachers Association in St. Louis, MO.

Szyjka, S. (October, 2019). *Creating STEM Activities Using the EQUIP Rubric*. Presented (see page 176 in conference program) at Illinois Science Teachers Association Conference, Peoria, IL.

Szyjka, S., Stinnett, M., & Singh, A. (October, 2017). *Integrating Science & Literacy in Middle School*. Presentation at Kappa Delta Pi CONVO 2017 51th Biennial Convocation in Pittsburgh, PA.

Singh, A., Stinnett, M., Szyjka, S., & Shaw, F. (October, 2015). *Student Engagement in Science and Literacy* Presentation at Kappa Delta Pi CONVO 2015 50th Biennial Convocation in Orlando, FL.

Szyjka, S. Stinnett, M. (December 2014). *Logical Thinking as a Cognitive Flexibility Predictor on Reading Comprehension of Elementary Pre-Service Teachers*. Paper presented at the Literacy Research Association in Marco Island, FL.

- Szyjka, S., Stinnett, M., Singh, A., & Shaw, F. (December 2014). *Curriculum Reconfiguration: Integrating Science & Literacy throughout St. Paul School*. Paper presented at the Literacy Research Association in Marco Island, FL.
- Szyjka, S. (January, 2014). *The Science Teaching Enhancement Pilot Project (STEPP)*. Paper presented at The Hawaii International Conference on Education in Honolulu, HI.
- Szyjka, S. (January, 2014). *Integrating Technologies to Promote Better Implementation of the Common Core Standards - Mathematics*. Poster presented at The Hawaii International Conference on Education in Honolulu, HI.
- Singh, A., & Szyjka, S. (October, 2013). *Digital Natives: Simulations for Active Learning?* Presentation at Kappa Delta Pi CONVO 2013 49th Biennial Convocation in Dallas, TX.
- Olsen, J., Szyjka, S., & Singh, A. (September, 2013). *Western Illinois Mathematics Teacher Transformation Institute (WI-MTTI)*. Poster presented at the Mathematics and Science Partnerships Program Conference in Washington DC.
- Szyjka, S. (2012). *Relationships among pre-service elementary education teachers' mathematical achievement, science-based cognition and attitude*. Paper presented at The Hawaii International Conference on Education in Honolulu, HI.
- Szyjka, S. (2012). *Evaluation of the inquiry science teaching strategies instrument: Pilot study results*. Paper presented at The Hawaii International Conference on Education in Honolulu, HI.
- Szyjka, S. (2012). *Understanding research paradigms: Trends in science education research*. Interactive poster presented at The National Association for Research in Science Conference in Indianapolis, IN.
- Szyjka, S., Mumba, F., & Wise, K. (2010). *Cognitive and Attitudinal Predictors Related to Line Graphing Achievement among Elementary Pre-service Teachers*. Presented at the National Association for Research in Science Teaching, Philadelphia, PA.
- Szyjka, S., Mumba, F., & Wise, K. (2010). *Confirmation of the Psychometric Properties of the Context-Modified Questionnaire of Attitude Toward Statistical Graphs (QASG) for Measuring Pre-service Teachers' Attitudes Toward Line Graphs in Science (QALGS)*. Presented at the National Association for Research in Science Teaching, Philadelphia, PA.
- Szyjka, S. (2009). *A mixed-method, quasi-experimental study to determine the effects of different levels of inquiry on the performance of students with learning disabilities in inclusive middle school science classrooms: A work in progress*. Presented at Hawaii International Conference on Education, Honolulu, HI.
- Szyjka, S., & Mumba, F. (2009). *Preparing science teachers for inclusive classrooms: Components of a suggested model for science teacher training*. Presented at Hawaii International Conference on Education, Honolulu, HI.
- Mumba, F., Hennon, S., Szyjka, S., Pereles, N., & Hunter, W. (2007). *Effect of explicit instruction on high school physics students' knowledge and skills for constructing and*

interpreting graphs. Paper presented at the National Association for Research in Science Teaching, New Orleans, LA.

CONFERENCE PRESENTATIONS: NON-REFEREED

Szyjka, S. (April, 2019). *STEM Related Activities*. Mini-session presented at the PreK-8 Science Education Update Conference, Macomb, IL.

Szyjka, S. (October, 2018). *Bicycle Frame Materials: The Decision Challenge*. Paper presented (see page 16 in conference program) at Illinois Science Teachers Association Conference, Tinley Park, IL.

Szyjka, S. (April, 2018). *Swirly Patterns with Color Changing Milk: Make swirly patterns in milk*. Mini-session presented at the PreK-8 Science Education Update Conference, Macomb, IL.

Szyjka, S. (April 2017). *Engineering Decision Challenge*. Mini-session presented at the PreK-8 Science Education Update Conference, Macomb, IL.

Szyjka, S. (2012). *Using Student Response Systems in the Middle or High School Science Classroom*. Paper presented at Illinois Science Teachers Association Conference, Tinley Park, IL.

Szyjka, S. (2011). *Teaching physical science equations using the learning cycle: Activity-before-content*. Paper presented at Illinois Science Teachers Association Conference, Tinley Park, IL.

Szyjka, S. (2011). *Building a better raft: Understanding sinking and floating*. Mini-session presented at the PreK-8 Science Education Update Conference, Macomb, IL.

Szyjka, S. (2011). *Examining gas laws: Stations utilizing Vernier technology*. Paper presented at the Science in the South Conference, Carbondale, IL.

Szyjka, S. (2010). *Density should not be difficult*. Presented at Illinois Science Teachers Association Conference, Springfield, IL.

Szyjka, S. (2010). *Using turning point technologies and response ware with the iPod touch to make science lectures more interactive*. Presented at Learn Today, Teach Tomorrow, Central Michigan University, Mount Pleasant, MI.

Szyjka, S. (2009). *Encouraging graphing through an inquiry-based activity on simple machines*. Presented at the Science in the South Conference, Carbondale, IL.

Szyjka, S. (2007). *Inquiry lesson on pulleys*. Presented at the Science in the South Conference, Carbondale, IL.

SERVICE OVERVIEW

- Total service activities since date of hire: 135 2010-2022
- Total service activities: 56 2016-2022
- Total service activities: 79 2010-2016

MANUSCRIPT REVIEWS

- Szyjka, S. (2019-2022) *Four unpublished manuscript reviews for Critical Questions in Education.*
- Szyjka, S. (2019-2020) Editorial Review Board Member of the *Journal of Science Teacher Education* (JSTE); 14 reviews.
- Szyjka, S. (2019-2020) Editorial Review Board Member of the *Journal of Science Teacher Education* (JSTE); 11 reviews.
- Szyjka, S. (2018-2019) Editorial Review Board Member of the *Journal of Science Teacher Education* (JSTE); 14 reviews.
- Szyjka, S. (2017-2018) Editorial Review Board Member of the *Journal of Science Teacher Education* (JSTE); 12 reviews.
- Szyjka, S. (2016-2017) Editorial Review Board Member of the *Journal of Science Teacher Education* (JSTE); 13 total reviews.
- Szyjka, S. (2016-2022) *Four unpublished manuscript/conference reviews for various journals/conferences.*
- Manuscript reviews for *Journal of European Education* (August 31, 2015)
- Five conference proceeding reviews for *National Association for Research in Science Teaching* (October, 2015).
- Manuscript reviews for *School Science and Mathematics* (May 19, 2014).
- Manuscript reviews for *School Science and Mathematics* (June 21, 2014).
- Five conference proceeding reviews for *National Association for Research in Science Teaching* (October, 2013).
- Manuscript review for *School Science and Mathematics* (February 22, 2013).
- Five conference proceeding reviews for *National Association for Research in Science Teaching* (November 21, 2012).
- Five conference proceeding reviews for *National Association for Research in Science Teaching* (October 4, 2011).
- Manuscript review for *School Science and Mathematics* (May 13, 2011).
- Manuscript review for *School Science and Mathematics* (December 24, 2010).
- Manuscript review for *Journal of Mixed Methods Research* (August 22, 2010).
- Manuscript review for *School Science and Mathematics* (2009).

SERVICE: REGIONAL

- Szyjka, S. (2021-present). Illinois Workforce and Education Research Collaborative (IWERC) teacher preparations advisory group.
- Szyjka, S. (2021-present). Region 3 Director & Board Member for the *Illinois Science Teachers Association* serving Adams, Brown, Cass, Fulton, Hancock, Henderson, Knox, Mason, McDonough, Mercer, Menard, Morgan, Peoria, Pike, Sangamon, Schuyler, Scott, Tazewell, Warren & Woodford Counties.
- Szyjka, S. (2021-2022, Virtual Season). Director of the WIU/ISO Regional Science Olympiad. Coordinating, organization, preparation and general administration of events and personnel in a virtual capacity. Western Illinois University.
- Szyjka, S. (2020-2021, Virtual Season). Director of the WIU/ISO Regional Science Olympiad. Coordinating, organization, preparation and general administration of events and personnel in a virtual capacity. Western Illinois University.

- Szyjka, S. (2019-2020, Face-to-Face Season). Director of the WIU/ISO Regional Science Olympiad. Coordinating, organization, preparation and general administration of events and personnel. Western Illinois University.
- Szyjka, S. (2016). Clickers: Using Student Response Systems to Enhance Learning & Teaching (8-hour workshop for teachers of the area)
- Contracted science teaching for Northern Illinois Mathematics and Science (NIMS) Partnership with Regional Office of Education #49 during summer 2011.

SERVICE: COLLEGE & UNIVERSITY

- Szyjka, S. (2021-2022). Center for Innovation in Teaching and Research Faculty Mentor for New Faculty (Dr. Lori Okon-Smith).
- Szyjka, S. (2021-2022). Member of Radiation Safety Committee.
- Szyjka, S. (2021-2022). Western Rocketry Student Club Advisor.
- Szyjka, S. (2021-2022). Chairperson of Assistant Professor: Elementary Science/Social Studies position.
- Szyjka, S. (2021-2022). Chairperson of the Advisory Committee.
- Szyjka, S. (2021-2022). Member of Faculty Senate.
- Szyjka, S. (Fall 2021). Chairperson of Graduate Appeal Committee.
- Szyjka, S. (2020-2021). Member of Council on Curricular Programs and Instruction (CCPI).
- Szyjka, S. (2020-2021). Member of Radiation Safety Committee.
- Szyjka, S. (2020-2021). Western Rocketry Student Club Advisor.
- Szyjka, S. (2020-2021). Member of Undergraduate Academic Affairs Committee (UAAC).
- Szyjka, S. (2019-2020). Member on the Personnel Committee.
- Szyjka, S. (2019-2020). Member of Radiation Safety Committee.
- Szyjka, S. (2019-2020). Member of Undergraduate Academic Affairs Committee (UAAC).
- Szyjka, S. (2019-2020). Member of Graduate Council.
- Szyjka, S. (2019-2020). Member of Council on Curricular Programs and Instruction (CCPI).
- Szyjka, S. (2018-2019). Member of Undergraduate Assessment Committee representing Science Education.
- Szyjka, S. (2018-2019). Chairperson of Graduate Assessment Committee as Elementary Education Program Coordinator representing Science Education.
- Szyjka, S. (2018-2019). Member of Undergraduate Academic Affairs Committee (UAAC).
- Szyjka, S. (2018-2019). Member of Graduate Council.
- Szyjka, S. (2017-2018). Undergraduate Academic Affairs Committee Member representing School of Education.
- Szyjka, S. (2017-2018). Center for Innovation in Teaching and Research Faculty Mentor for New Faculty (Dr. Denny Barr).
- Szyjka, S. (2017-2018). Member of Technology Committee.
- Szyjka, S. (2016-2017). Member of Faculty Senate.
- Szyjka, S. (2016-2017). Member of Graduate Committee as C&I Program Coordinator representing Science Education.
- Szyjka, S. (2016-2017). Member of Undergraduate Academic Affairs Committee.

- Szyjka, S. (2016-2017). Chairperson of the Dean's Review Committee.
- Szyjka, S. (2016-2017). Member of Technology Committee.
- Szyjka, S. (2016-2017). Member of Selection and Retention Committee representing Science Education.
- Szyjka, S. (April 2015). Undergraduate Research Day "Final Judge." Western Illinois University – Student Union.
- Szyjka, S. (2014-2015). Faculty Senate Member representing College of Education and Human Services.
- Szyjka, S. (April 2014). Presentation of Science & Literacy with SEEDS & ROOTS! Western Illinois University Annual K8 Science Education Conference.
- Szyjka, S. (April 2014). Undergraduate Research Day "Final Judge." Western Illinois University – Student Union.
- Szyjka, S. (February 2014). Science Olympiad Associate. Organization, preparation and general administration of events. Western Illinois University.
- Szyjka, S. (Spring 2014). Secretary Membership Chapter Officer for Kappa Delta Pi.
- Szyjka, S. (June 7, 24, 26, & July 11, 2013). 2012 Summer Orientation and Registration (SOAR) Faculty Orientation Leader. Western Illinois University.
- Szyjka, S., (March 2, 2013). Student Education Association 7th Annual Career Building Conference, Oh, The Places You'll Go! Presentation, "The Next Generation Science Standards, What do Pre-Service Teachers need to Know to Successfully Navigate the New Standards."
- Szyjka, S. (July 9-20, 2012). Action Research teaching & administrative responsibilities/duties for Western Illinois Mathematics Teacher Transformation Institute. (WI-MTTI) Partnership with Regional Office of Education #26, #22 & #1, Turning Technologies, Vernier Lab Equipment and Western Illinois University.
- Szyjka, S. (June 8, 12, 14, 19 & 25, 2012). 2012 Summer Orientation and Registration (SOAR) Faculty Orientation Leader. Western Illinois University.
- Szyjka, S. (April 21, 2012). Student Education Association 6th Annual Career Building Conference, I Teach. What's Your Superpower? Presentation, "Integrating Mathematics and Science."
- Szyjka, S. (April 20, 2012). Presentation of Make your own pie pan speaker! Western Illinois University Annual K8 Science Education Conference.
- Szyjka, S. (April 18, 2012). Undergraduate Research Day "Final Judge." Western Illinois University – Student Union.
- Szyjka, S. (April 4, 2012). Panel discussion participant – "Meeting Global Environmental Challenges through Science, Technology, and Social Responsibility."
- Szyjka, S. (March 22, 2012). Student Education Association March Meeting Presentation, "Professionalism in the Job Search and Beyond: Tips, Strategies & Mindset for Success in Education."
- Szyjka, S. (February 2012). Science Olympiad Associate. Organization, preparation and general administration of events. Western Illinois University.
- Szyjka, S. (Spring 2012). Membership Chapter Officer for Kappa Delta Pi.

SERVICE: DEPARTMENT

- Szyjka, S. (2021-2022). Member of Scholarship Committee.
- Szyjka, S. (2021-2022). Member of Technology Committee.
- Szyjka, S. (2021-2022). Member of Grade Appeals – Undergraduate Committee.
- Szyjka, S. (2021-2022). Member of WIU Honors Council.

- Szyjka, S. (2021-2022). Chairperson of Undergraduate Committee representing Elementary Education.
- Szyjka, S. (2021-2022). Ongoing design modifications, reviewed development, and maintenance of Science Education Center Website.
- Szyjka, S. (2021-2022). Continued maintenance and design adjustments of eFaculty Handbook (including adding additional hyperlinks to Google Docs, websites and folders) for the School of Education.
- Szyjka, S. (October, 2021). Project Learning Tree Workshop Facilitator. Western Illinois University.
- Szyjka, S. (2020-2021). Chairperson of the Advisory Committee.
- Szyjka, S. (2020-2021). Member of Graduate Committee as C&I Program Coordinator.
- Szyjka, S. (2020-2021). Member of Undergraduate Committee representing member at large.
- Szyjka, S. (2020-2021). Member of Graduate Committee as C&I Program Coordinator.
- Szyjka, S. (2020-2021). Ongoing design modifications, review, development, and maintenance of elements of the Science Education Center.
- Szyjka, S. (2020-2021). Initial design, development, and maintenance of eFaculty Handbook (including extensive hyperlinks to Google Docs, websites, and folders) for the School of Education.
- Szyjka, S. (2020-2021). Revision and re-design modifications, and maintenance of the C&I Graduate Program website.
- Szyjka, S. (2020). Chair of the Advisory Committee.
- Szyjka, S. (2019-2020). Initial and ongoing extensive design, development, and maintenance of Science Education Center Website beyond what is typically required of a center director.
- Szyjka, S. (2019-2020). Department of Natural Resources Trunk Host and Distributor of educational materials for the State of Illinois.
- Szyjka, S. (2019-2020). Co-Chair of Assistant Professor Literacy position.
- Szyjka, S. (2019-2020). Member of Advisory Committee.
- Szyjka, S. (2019-2020). Member of Undergraduate Committee representing C&I.
- Szyjka, S. (2019-2020). Member of Graduate Committee as C&I Program Coordinator.
- Szyjka, S. (September, 2019). Project Learning Tree Workshop Facilitator. Western Illinois University.
- Szyjka, S. (April, 2019). Project Learning Tree Workshop Facilitator. Western Illinois University.
- Szyjka, S. (March, 2019). Science Olympiad Associate. Organization, preparation and general administration of events. Western Illinois University.
- Szyjka, S. (2018-2019). Member of Graduate Committee as C&I Program Coordinator representing Science Education.
- Szyjka, S. (2018-2019). Member of Council on Curricular Programs and Instruction (CCPI).
- Szyjka, S. (2018-2019). Member of Graduate Council.
- Szyjka, S. (2018-2019). Kappa Delta Pi: International Honor Society in Education Associate Counselor (Advisor).
- Szyjka, S. (2018-2019). Member on the Personnel Committee.
- Szyjka, S. (2018-2019). Member of Selection and Retention Committee representing Science Education.

- Szyjka, S. (February, 2018). Science Olympiad Associate. Organization, preparation and general administration of events. Western Illinois University.
- Szyjka, S. (March, 2018). Graduate Research Conference “Judge.” Western Illinois University – Student Union.
- Szyjka, S. (2017-2018). Member of Graduate Committee as C&I Program Coordinator representing Science Education.
- Szyjka, S. (2017-2018). Chairperson of the Personnel Committee.
- Szyjka, S. (2017-2018). Member of Undergraduate Assessment Committee representing Science Education.
- Szyjka, S. (2017-2018). Chairperson of Graduate Assessment Committee as Elementary Education Program Coordinator representing Science Education.
- Szyjka, S. (2017-2018). Member of Selection and Retention Committee representing Science Education.
- Szyjka, S. (April, 2017). Undergraduate Research Day “Podium Judge.” Western Illinois University – Student Union.
- Szyjka, S. (February, 2017). Science Olympiad Associate. Organization, preparation and general administration of events. Western Illinois University.
- Szyjka, S. (Spring, 2017). Chair of the Dean’s Review Committee.
- Szyjka, S. (2016-2017). Member of Undergraduate Assessment Committee representing Science Education.
- Szyjka, S. (2016-2017). Chairperson of Graduate Assessment Committee as Elementary Education Program Coordinator representing Science Education.
- Szyjka, S. (2014). Chair of the Undergraduate Assessment Committee.
- Szyjka, S. (2014). Chair of the Assessment TASK Force.
- Szyjka, S. (2011 – 2013). Member of the Selection and Retention Committee.
- Szyjka, S. (2010 – 2013). Department Graduate Committee.

SERVICE: COMMUNITY

- Szyjka, S. (June, 2013). Consultations with St. Paul School, Macomb, IL for Science & Literacy integration as part of Tracy Family Foundation Grant professional development and research.
- Szyjka, S. (Summer, 2012). Consultation with St. Paul School (Grade 2 teacher), Macomb, IL for Science & Literacy integration as part of Illinois Association of Teacher Educators.

PROFESSIONAL MEMBERSHIPS/AFFILIATIONS

- National Association of Rocketry (2018-present)
- Kappa Delta Pi (2015- present)
- Illinois Science Teachers Association (2010 – present)
- National Association of Research in Science Teaching (2009 – 2019)
- National Science Teachers Association (2004 – present)