



**Curriculum Vita  
August 2022**

**Instructor:** Deirdre M. Conway

**Academic Department:** College of Innovation and Design

**University Address:** Texas A&M University-Commerce  
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Commerce, TX 75429-3011

**Office Phone:**

**University Email Address:** Deirdre.Conway@tamuc.edu

**EDUCATION**

**Southern Methodist University, Dallas, TX**  
Master of Business Administration

**Currently Attending**

**Southern Methodist University, Dallas, TX**  
Educational Doctorate: Higher Education

**May 2018**

*Dissertation Topic: Preparing Engineering Faculty for the Classroom: The Importance of Effective Teaching Skills*

**Southern Methodist University, Dallas TX**  
Master of Education: Educational Policy and Leadership  
(Specialization in Higher Education)

**December 2013**

*Master's Thesis Topic: Tomorrow's Engineers: Retaining Engineering Students in Undergraduate Programs*

**American Public University, Charles Town, WV**  
Bachelor: Business Administration

**February 2010**

(Concentration in Small Business Management and Entrepreneurship)

**TEACHING EXPERIENCE**

- Professional Development (ME 4152) **Fall 2022**  
Undergraduate level course in Mechanical Engineering  
Department focused on preparing graduates for the Workplace  
Bobby B Lyle School of Engineering  
Southern Methodist University, Dallas, TX
- Dissertation Course (HUMN 7300) **Fall 2022**  
Doctoral level course in the Liberal Studies Department  
Simmons School of Education and Human Development  
Southern Methodist University, Dallas, TX

- **Dissertation Course (HUMN 7300)** **Spring 2022**  
 Doctoral level course in the Liberal Studies Department  
 Simmons School of Education and Human Development  
 Southern Methodist University, Dallas, TX
- **Dissertation Course (HUMN 7300)** **Fall 2021**  
 Doctoral level course in the Liberal Studies Department  
 Simmons School of Education and Human Development  
 Southern Methodist University, Dallas, TX
- **Leading Change (ORGL 4343)** **Fall 2021**  
 Undergraduate level course in Organizational Leadership (online)  
 College of Innovation and Design  
 Texas A & M Commerce, Commerce, TX
- **Organizational Change Management (HDDR 6344)** **Summer 2021**  
 Masters level course in Dispute Resolution Program  
 Simmons School of Education and Human Development  
 Southern Methodist University, Dallas, TX
- **Leading Change (ORGL 4343)** **Summer 2021**  
 Undergraduate level course in Organizational Leadership (online)  
 College of Innovation and Design  
 Texas A & M Commerce, Commerce, TX
- **Leading Change (ORGL 4343)** **Spring 2021**  
 Undergraduate level course in Organizational Leadership (online)  
 College of Innovation and Design  
 Texas A & M Commerce, Commerce, TX
- **Independent Study (BHSC 6300)** **Spring 2021**  
 Doctoral level course focused on the adult learner in the Liberal Studies Department  
 Simmons School of Education and Human Development  
 Southern Methodist University, Dallas, TX
- **Independent Study (HUMN 6300)** **Spring 2021**  
 Master level course focused on the adult learner in the Liberal Studies Department  
 Simmons School of Education and Human Development  
 Southern Methodist University, Dallas, TX
- **Master Thesis Course (HUMN 6303)** **Spring 2021**  
 Master level thesis course – directed study in the Liberal Studies Department  
 Simmons School of Education and Human Development  
 Southern Methodist University, Dallas, TX

- **Leading Change (ORGL 4343)** **Fall 2020**  
 Undergraduate level course in Organizational Leadership (online)  
 College of Innovation and Design  
 Texas A & M Commerce, Commerce, TX
- **Independent Study (BHSC 6300)** **Fall 2020**  
 Doctoral level course focused on the adult learner in the Liberal Studies Department  
 Simmons School of Education and Human Development  
 Southern Methodist University, Dallas, TX
- **Thesis Course (HUMN 6303)** **Fall 2020**  
 Thesis level independent study course in the Liberal Studies Department  
 Simmons School of Education and Human Development  
 Southern Methodist University, Dallas, TX
- **Leading Organizational Change in HE (EPL 7388)** **Summer 2020**  
 Doctoral level course in Education Policy and Leadership Department  
 Simmons School of Education and Human Development  
 Southern Methodist University, Dallas, TX
- **Organizational Change Management (HDDR 6344)** **Spring 2020**  
 Masters level course in Dispute Resolution Program  
 Simmons School of Education and Human Development  
 Southern Methodist University, Dallas, TX
- **Methods of Qualitative Inquiry (EDU 7352)** **Fall 2018**  
 Guest Speaker – Topic: Dissertation writing process, IRB process,  
 management of coding, revisions, and submissions for publications  
 Doctoral level course in Education Policy and Leadership  
 Simmons School of Education and Human Development  
 Southern Methodist University, Dallas, TX
- **Higher Education Finance (EDU 6396)** **Spring 2017**  
 Guest Lecture – Topic: Campus Budget & Resource Allocations  
 Master level course in Education Policy and Leadership  
 Simmons School of Education and Human Development  
 Southern Methodist University, Dallas, TX
- **Higher Education Finance (EDU 6396)** **Spring 2015**  
 Teaching Assistant/Co-Taught  
 Master level course in Education Policy and Leadership  
 Simmons School of Education and Human Development  
 Southern Methodist University, Dallas, TX

## PUBLICATIONS

- **Conway, D.M.** (2021). Five Critical Domains of Effective Leadership in Higher Education Administration, in *Leadership and Followership in an Organizational Change Context*, IGI Global Publishing. **Published, \*Peer Reviewed**
- **Conway, D. M.**, Rola, K. S., and Deggs, D. M. (2021). Convergence of Adult Learners, STEM Programs and Promise Programs in Community Colleges, in *Community Colleges and Workforce Preparation in the 21st Century: Emerging Research and Opportunities*, Community College Journal of Research and Practice. **Published, \*Peer Reviewed**
- Deggs, D. M., **Conway, D. M.**, and Miller, M. (2019). The Promise of Strategic Access Initiatives to Support Adult Learner Enrollment in Community College STEM Programs, *Book Chapter*. Community Colleges and Workforce Preparation in the 21<sup>st</sup> Century. **Accepted, \* Peer Reviewed - publication canceled due to COVID-19**

## RESEARCH GRANTS AND AWARDS

- Project: Enhancing Railroad Workforce Training through Equitable Smart Infrastructure Experiences  
Principal Investigators: Story, B., and **Conway, D.M.**  
Federal Railroad Administration  
Budget: \$403,579 (9/1/22 – 8/31/25) **Award Pending**  
Description: This project will develop a broad spectrum of STEM railroad problem solvers: engineers, scientists, technicians, contractors, builders, manufacturers, and managers who can tackle large-scale, real-world problems head on, without constraints imposed by traditional technical specialty silos. This will be achieved through a partnership with SMU and an established STEM high school program focused on smart infrastructure rail system solutions. The established protocol will then be extended to a new area in Texas at a Hispanic Serving Institution (HSI) with a new engineering program specifically focused on smart infrastructure.
- Project: Assessment of Engineering Identity Development within the Smart Infrastructure Innovation Initiative (S3i)  
Principal Investigators: Story, B., and **Conway, D.M.**  
Lyle School of Engineering SEED Funding  
Budget: \$20,880 (1/1/2020 – 12/31/2020) **Funded**  
Description: Societal engineering needs are evolving, and the education and training of engineers should advance to meet these needs. This project leverages an existing partnership with Garland ISD and SMU (Smart Infrastructure Innovation Initiative – S3i) to investigate the formation of engineering identities in diverse students. This exploratory research project will examine how high school fellows in the S3i project develop self-efficacy as engineers.
- Project: Professional Development and Translanguaging associated with Improvement Science Phenomena  
Principal Investigators: Aguilar, R., and **Conway, D.M.**  
Dallas Independent School District  
Budget: \$98,280 (3/1/19 – 6/30/19) **Funded**  
Description: Translanguage and Science Phenomena Training for DISD Educators

- Project: Governor’s Summer Merit Program  
Principal Investigators: **Conway, D.M.**, and Berry, K.S.  
Texas Workforce Commission  
Budget: \$100,000 (3/15/2017 – 9/30/2017) **Funded**  
Description: To improve middle school and high school student’s familiarity and experience with post-secondary educational opportunities leading to Science, Technology, Engineering, and Mathematics (STEM) careers while developing collaboration among workforce development programs, colleges and universities, and Texas middle and high schools.
- Project: Governor’s Science and Technology Champions’ Academy  
Principal Investigators: **Conway, D.M.**, and Berry, K.S.  
Texas Workforce Commission  
Budget: \$100,000 (3/01/2017 – 10/01/2017) **Funded**  
Description: One week summer residential camp for grand champion winners of the Texas Science and Engineering Fair Senior Division. Content to include at least 40 hours of science and engineering material aligned with the Governor’s Industry Clusters.