

Mr. Robert Fowler Jr.
Middle Tennessee State University
Assistant Professor
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Education

Doctor of Education, Middle Tennessee State University, 2025

Assessment, Learning, and Student Success in Higher Education

Master of Science, Embry-Riddle Aeronautical University Worldwide, 2019.

Major: Aeronautics/Aviation/Aerospace Science

Supporting Areas of Emphasis: Human Factors and Aviation Safety Management

Dissertation Title: English Language Proficiency and Aviation Safety

Bachelor of Arts, University of Maine, 1982.

Major: Psychology General

Academic, Government, Military and Professional Positions

Assistant Professor, Middle Tennessee State University, Aerospace Department. (August 1, 2019 - Present).

Training Manager and Adjunct Professor, Embry-Riddle Aeronautical University, Flight Department and College of Aviation. (August 28, 2016 - July 11, 2019).

Flight Instructor/Group Leader/Group Manager, Aerosim Flight Academy, Flight School. (September 1, 2012 - August 28, 2016).

Owner and Operator, Fowler Aviation, LLC, Airport Management and Flight School. (September 1, 2007 - August 31, 2012).

Flight Instructor, Leading Edge Aviation, Flight School. (December 28, 2004 - August 31, 2007).

Adjunct Professor, Lehigh Carbon Community College, Aviation. (September 1, 2004 - December 31, 2004).

Licensures and Certifications

Commercial Pilot Single and Multiengine Land; Instrument Airplane, Federal Aviation Administration. (March 26, 2014 - Present).

FAA Third Class Medical Certificate, Federal Aviation Administration. (May 26, 2021 - May 31, 2023).

Certificated Flight Instructor, Federal Aviation Administration. (April 15, 2021 - May 31, 2023).

Professional Memberships

University Aviation Association. (October 1, 2019 - Present).

Experimental Aircraft Association. (February 1, 2018 - Present).

National Association of Flight Instructors. (February 1, 2018 - Present).

Aircraft Owners and Pilots Association. (January 1, 2002 - Present).

Development Activities Attended

Workshop, "Teaching TRIOs," Middle Tennessee State University College of Basic & Applied Sciences, Murfreesboro, TN, United States of America. (October 9, 2020 - June 26, 2021).

Continuing Education Program, "AASCU/APLU Student Support Service - Transitioning from Emergency Remote Learning to Intentionally Designed Online Pedagogy," Gates Foundation Grant, Murfreesboro, TN, United States of America. (February 5, 2021 - March 12, 2021).

Workshop, "Utilizing Checklists in D2L: Promoting Accountability and Organization in Your Online and Remote Courses," MTSU Learning, Teaching & Innovative Technologies Center, Murfreesboro, TN, United States of America. (February 17, 2021).

Workshop, "Writing Winning Proposals to NSF – Writing for the reviewers!," MTSU Office of Research and Sponsored Programs, Murfreesboro, TN, United States of America. (February 9, 2021).

Workshop, "Searching for Funding Opportunities: Grant Forward," MTSU Office of Research and Sponsored Programs, Murfreesboro, TN, United States of America. (January 22, 2021).

TEACHING

Teaching Experience

AERO 3170, section D01, Aviation Safety. 3 credit hours. 20 enrolled.

AERO 3202, section 001, Cross-Country Flight Lab. 1 credit hours. 7 enrolled.

AERO 2201, section 001, Pro Pilot Flight Lab I. 2 credit hours. 14 enrolled.

AERO 2230, section D01, Professional Pilot I. 3 credit hours. 14 enrolled.

AERO 3170, section 001, Aviation Safety. 3 credit hours. 30 enrolled.

AERO 3170, section 005, Aviation Safety. 3 credit hours. 30 enrolled.

AERO 3230, section 001, Crew Resource Management. 3 credit hours. 30 enrolled.

AERO 2201, section 001, Pro Pilot Flight Lab I. 2 credit hours. 71 enrolled.

AERO 2230, section 002, Professional Pilot I. 3 credit hours. 77 enrolled.

AERO 3170, section 005, Aviation Safety. 3 credit hours. 29 enrolled.

AERO 3202, section 001, Cross-Country Flight Lab. 1 credit hours. 5 enrolled.

AERO 2201, section 001, Pro Pilot Flight Lab I. 2 credit hours. 47 enrolled.

AERO 2230, section 002, Professional Pilot I. 3 credit hours. 60 enrolled.

AERO 1020, section 004, Theory of Flight. 3 credit hours. 85 enrolled.

AERO 3170, section 002, Aviation Safety. 3 credit hours. 28 enrolled.

AERO 2230, section 001, Professional Pilot I. 3 credit hours. 31 enrolled.

AERO 3170, section 001, Aviation Safety. 3 credit hours. 30 enrolled.

AERO 2230, section 002, Professional Pilot I. 3 credit hours. 65 enrolled.

AERO 1020, section 001, Theory of Flight. 3 credit hours. 65 enrolled.

AERO 2230, section 002, Professional Pilot I. 3 credit hours. 69 enrolled.

AERO 1020, section 001, Theory of Flight. 3 credit hours. 60 enrolled.

AERO 1020, section 004, Theory of Flight. 3 credit hours. 84 enrolled.

AERO 2230, section 001, Professional Pilot I. 3 credit hours. 15 enrolled.

AERO 2230, section 002, Professional Pilot I. 3 credit hours. 66 enrolled.

AERO 1020, section 001, Theory of Flight. 3 credit hours. 58 enrolled.

AERO 1020, section 002, Theory of Flight. 3 credit hours. 60 enrolled.
AERO 2230, section 002, Professional Pilot I. 3 credit hours. 38 enrolled.
AERO 1020, section 001, Theory of Flight. 3 credit hours. 58 enrolled.
AERO 1020, section 004, Theory of Flight. 3 credit hours. 60 enrolled.
AERO 1020, section 005, Theory of Flight. 3 credit hours. 69 enrolled.

RESEARCH

Published Intellectual Contributions

Fowler, R. et al. 2021. Aviation English Assessment and Training. *Collegiate Aviation Review International*. 39, 2 (Oct. 2021), 26-42.
DOI:<https://doi.org/http://ojs.library.okstate.edu/osu/index.php/CARI/article/view/8128/>.

Presentations Given

Fowler, R. (Co-Presenter), Lundberg, A. R. (Co-Presenter), University Aviation Association Conference 2022, "Women and Minorities in Aviation," University Aviation Association, The Antlers Wyndham Hotel, Colorado Springs, Colorado Springs, CO, United States of America. (October 7, 2022).
Fowler, R., University Aviation Association 2021 Memphis Conference, "Aviation English Assessment and Training," University Aviation Association, Memphis Hilton, Memphis, TN, United States of America. (October 8, 2021).
Fowler, R. (Lead Presenter), University Aviation Association 2020 Virtual Conference, "English Language Proficiency and Flight Training Performance," University Aviation Association, Virtual Presentation on EZTalks, Memphis, TN, United States of America. (October 1, 2020).

Media Contributions

"The Way Down," HBO Max. (April 28, 2022).
"The NTSB released its preliminary report of a plane crash on Percy Priest Lake in Smyrna," News Channel 5. (June 16, 2021).

Contracts, Grants and Sponsored Research

Fowler, R. (Principal), Lundberg, A. R. (Co-Principal), Smith, C. J. (Co-Principal), "Student Engagement, Retention, and Success," Sponsored by Tennessee Board of Regents, State, \$47,554.31.
Fowler, R., "MTSU Instructional Enhancement Grant," Sponsored by Middle Tennessee State University, Middle Tennessee State University, \$620.00. (April 14, 2021).
Callender, M. N. (Co-Principal), Beckman, W. S. (Principal), Fowler, R. (Co-Principal), Rosser, T. G. (Co-Principal), Craig, P. A. (Co-Principal), Corns, K. M. (Co-Principal), Hiers, C. L. (Co-Principal), "Pilot Workforce Development - Promoting Aviation in Tennessee High Schools (PATHS)," Sponsored by Middle Tennessee State University, Federal, \$499,171.00.

Research Currently in Progress

"Aviation Diversity Literature Review" (In Preparation). (May 1, 2022 - Present).
This is a review of literature concerning research about diversity in the aviation industry.
"Women and Minorities in Commercial Aviation" (On-Going). (January 1, 2022 - Present).
The low participation rate of women and minorities working in the aviation industry has been well documented by the United States Bureau of Labor Statistics (BLS). While most research has focused on the percentage of women and minorities in aviation occupations compared to the percentage of White males, there has been little research into the actual numbers of women and minorities working in

commercial aviation. Although the rate of participation remains low, have the actual numbers of women and minorities working in commercial aviation occupations increased significantly in the past two decades? This study will analyze existing data from the United States BLS to answer this question.

"Aviation English Training and Flight Training Performance" (On-Going). (September 10, 2021 - April 30, 2022). Many foreign nationals seek flight training in the United States because it is less expensive. Airspace in the United States is also less restricted than it is in many European and Asian countries. Many of these foreign nationals are not native English speakers and their level of English language proficiency can have an impact on their flight training performance. The goal of this research will be to evaluate the relationship between English Language proficiency and flight training performance. A survey will be administered to MTSU Professional Pilot students with at least a Private Pilot Certificate.

SERVICE

University Service

Chair, Aerospace Safety Director Search Committee. (February 15, 2022 - Present).

Search Committee Member, Aerospace Tenure Track Faculty Search Committee 2021. (June 1, 2021 - Present).

Faculty Advisor, Alpha Phi Omega Service Fraternity. (September 19, 2020 - Present).

Faculty Advisor, Asian Students' Association. (March 25, 2020 - Present).

University Committee Member, MTSU Faculty Senate Awards Committee. (August 1, 2021 - May 31, 2023).

University Committee Member, MTSU Faculty Senate Public Service Committee. (August 1, 2021 - May 31, 2023).

Search Committee Member, Aerospace Department Chairperson Search Committee. (January 22, 2021 - July 31, 2021).

Search Committee Member, Aerospace Tenure Track Faculty Search Committee 2020. (September 1, 2020 - October 31, 2020).

Professional Service

Committee Member, University Aviation Association Education Committee, Memphis, TN. (November 1, 2020 - Present).

Committee Member, University Aviation Association Safety Committee, Memphis, TN. (November 1, 2020 - Present).

Public Service

Moderator, MT Engage, Murfreesboro, TN. (September 23, 2021).