2018 AEROSPACE EDUCATION WORKSHOP
WITH STEM

What?
Aerospace Education graduate courses conducted by the Aerospace Department at Middle Tennessee State University. These courses are designed to enable Tennessee Educators K-12 to utilize aviation/Aerospace topics to teach STEM standards across the curriculum.

Where?
Middle Tennessee State University Campus
Business & Aerospace Building (BAS)

When?
Classes: June 11 - 22, 2018; 8:00 a.m. – 12:00 noon
Field Trip: June 25 – 27, 2018; destination TBA.

Course Benefits
- Three (3) hours graduate credit at no cost to you!
- Textbook, classroom materials, curriculum guides
- One (1) session flight instruction on an aircraft desktop training device
- Flight instruction in a MTSU Diamondstar DA-40 glass cockpit aircraft
- Tour of MTSU’s Air Traffic Control simulation lab
- Lectures by internationally recognized experts in aviation and space

Instruction Includes
- Basic aerodynamics and aircraft systems
- Aircraft performance and weight and balance
- Aeronautical charts (advanced course)
- Cross country flight planning (advanced course)
- Aviation weather factors (advanced course)
- Airport operations
- Introduction to Unmanned Aviation Systems (UAS) Operations
- Introduction to careers in the aviation industry

The MTSU Aerospace Education courses are the nation’s oldest continuing Aerospace program for Educators. Our goal is to familiarize Tennessee Educators K-12 with the ramifications of air transportation as the dominant form of transportation in this country and its impact on society as a whole. In return, the goal of the educators is to integrate aerospace into existing curricula. The interdisciplinary approach makes it instructionally valuable regardless of subject area or grade level. Aerospace subject matter is aligned with STEM standards across the curriculum.

Registration and Application Procedures*

1. Complete attached Scholarship Application form
2. Complete the on-line admission process to MTSU’s Graduate Studies program at www.mtsu.edu/graduate.
   For assistance contact 615-898-2840 or email phyl.taylor@mtsu.edu
3. After admission to graduate school is completed, register on-line for one of the following courses:
   Basic Workshop – AERO 6100 or YOED 6100; Advanced Workshop – AERO 6700 or YOED 6700.

*Scholarship will be applied only after all of the above steps have been completed.

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