



## **FAA CSET, CMT, CMfgT and Adhesive Online Courses – Modifications and Implementation**

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### **ABSTRACT**

The goal of this program is to convert the CSET (Composites Structural Engineering Technology), CMT (Composites Maintenance Technology) and CMfgT (Composites Manufacturing Technology Safety Awareness) courses into modules that can be used for tutorials within the FAA or as “for credit” graduate level courses, with non-degree bound or degree bound credit. These smaller modules make it cost competitive and amenable to the industry workforce with limited time for long duration educational hiatus from work. The present state of the CMT, CMfgT and CSET courses require dedicated student time commitment of up to 10 hours/week for up to 12 weeks and a two-day hands-on lab at NIAR for CSET and CMfgT. The successful offerings of the courses from a business standpoint require a minimum enrollment. This is often a bottleneck owing to the fiscal calendars of the prospective students’ organizations/sponsors, and the prevailing workload/commitments of the students. In this program, the online courses will be modularized to facilitate a more flexible learning schedule (length of time) and the course offerings will be available at Wichita State University and other locations which choose to adopt the courses.