Lead
Leads the process of defining skills standards and offers professional development opportunities

Connect
Connects workforce and community stakeholders, enhancing programs and the workplace

Inspire
Inspires and supports students to engage in high-impact, hands-on STEM activities

Serve
Serves as a resource hub, offering curriculum, interactive content, applications, and mentorship

Knowledge, Skills, and Abilities

KSA Report

Evidenced-based common standards and associated curriculum across the air, land, and sea domains, in partnership with industry and existing education and training programs

Serve

SCAN ME

NCAT continues to serve the ATE community. In 2023, NCAT established commonality of knowledge, skills, and abilities (KSAs) in AT curricula and remained a principal source of curricula. NCAT's KSA Report provides a comprehensive explanation of the core competencies necessary to meet the needs of the emerging AT workforce and provide a single entry point into multiple career pathways.

124
Institutions
Primarily 2-year colleges

42
States

42
MSI Members
Minority Serving Institutions

Creating Resilient Partnerships

NCAT has taken a significant leadership role in the Federal Aviation Administration (FAA) Unmanned Aircraft Systems Collegiate Training Initiative (UAS-CTI), which over the past two years has had coast-to-coast impact. NCAT is the designated repository and resource hub for the UAS-CTI community, hosting a repository website and the resources that serve the community, providing core standards as identified in the KSA report, curricula, workshops, lending materials and more. The relationship with NCAT and the FAA models ways in which academia and government organizations can work together to create resilient partnerships that prepare the nation's workforce for the future.

> "With the increased investment and focus on advanced aviation, the leadership in AAM (electric aircraft) initiative will play a significant role in the next 3-5 years as training standards and programs are being developed. Incorporating industry feedback at this early stage will mitigate a delay that might be seen related to technical careers as we approach the projected timeline for the integration of these systems."

Keely Griffith
Vice President Strategic Programs
The Association for Uncrewed Vehicle Systems International (AUVSI)