Alabama School of Cyber Technology & Engineering

Strategic Plan 2025-2030

Strategic Initiatives

00   **Mission & Vision**

01   **Student Success**

02   **Faculty Development and Success**

03   **Partnerships & Outreach**

04   **Institutional Effectiveness**

05   **Driving Innovation and Research**

00 Mission & Vision

MISSION

To ensure all students achieve high levels of learning to be successful in implementing cyber protections into the engineering lifecycle.

VISION

Driven by student success and built on strong collaboration with government, industry, and higher education, ASCTE envisions becoming a global leader for cyber and engineering education.

01 Student Success

ASCTE's culture is the foundation of an environment that prioritizes student learning, achievement, and growth. This culture empowers students to thrive, excel academically, and develop into confident leaders equipped to tackle the challenges of the modern workforce.

1.1 Enhance the First-Year Learning Experience program.

1.2 Strengthen the ASCTE Culture and community with student, staff, and peer connections.

1.3 Promote student health and wellness through healthy campus initiatives.

1.4 Extend smaller learning communities through Student Outreach and Relationships (SOAR).

1.5 Expand the comprehensive postsecondary advising plan to include all grade levels and families.

1.6 Build intentional crossover residential programing.

1.7 Implement a first-year boarding experience.

02 Faculty Development & Success

ASCTE empowers its faculty through ongoing professional development to strengthen instructional quality and enhance skill sets. As an emerging international model, ASCTE engages strategically across education and technology sectors—leveraging media, publishing, and its brand to solidify its reputation as a leader in STEM education.

2.1. Promote cross-curricular collaboration and student engagement.

2.2. Develop instructional leaders who contribute to local, state, and national conferences through membership, attendance, and presentations.

2.3. Support faculty in pursuing research opportunities that deepen subject matter expertise.

2.4. Assist faculty and staff to maintain national, state and industry credentials.

2.5. Facilitate faculty engagement and collaboration with ASCTE's educational partners.

03 Partnership and Outreach

ASCTE partners with aligned stakeholders to provide student learning experiences outside the classroom. ASCTE will also serve as a key leader in state and federal cybersecurity and engineering education initiatives. Integrate key innovations into the curriculum and outreach strategies of ASCTE.

3.1 Expand the ACCEL outreach to engage with 50+ schools statewide.

3.2. Strengthen partnerships with cyber and engineering education leaders to incorporate current and emerging technologies.

3.3.Enhance collaborations with civic and community organizations.

3.4. Implement partnership initiatives that support collaboration with established ASCTE educational partners.

3.5. Develop statewide curriculum standards for Artificial Intelligence.

04 Institutional Effectiveness

ASCTE advances instructional excellence in Cyber Technology and Engineering by implementing systems that assess and improve programs across all areas of the institution. Through strategic growth and collaboration, ASCTE engages its entire community while leveraging partnerships and resources to amplify its influence.

4.1 Enhance enrollment management by leveraging data, refining recruitmen strategies, and implementing student-centered retention initiatives.

4.2 Develop targeted media placements in education and technology publications and through conference presentations.

4.3 Create multimedia content to showcase student projects, intern experiences, and outreach programs such as ACCEL, Cyber Range, and the Research Institute.

4.4 Budget strategically to support institutional growth.

4.5 Leverage existing parent initiatives to strengthen connectedness across ASCTE communities.

4.6 Develop a crisis response to guide communications and actions.

4.7. Strengthen campus safety through thoughtful implementation of modern security technologies.

05 Driving Innovation and Research

ASCTE will establish a transformative research institute and center for academic excellence, a first in the secondary education sector. ASCTE will advance knowledge and innovation in technologies like Artificial Intelligence, Quantum Computing, Cyber Ranges, and Big Data through basic and applied research, publishing, and patent applications.

5.1 Establish research partnerships with nationally and internationally recognized universities, laboratories, and institutions.

5.2 Publish research data and findings in target journals and publications to expand ASCTE's presence and reach.

5.3 Develop policies and processes that encourage and protect intellectual property and patentable designs under the ASCTE research umbrella.

5.4 Attain and maintain recognition as a first-in-class research institute at the secondary education level.

5.5 Create entrepreneurship incubation programs to foster student innovation.