



P R E S I D E N T   S E A R C H

# Alabama School of Cyber Technology and Engineering

Deadline: Feb. 18, 2019



# Who We Are

## The Need

Cyber technology and engineering jobs are in high demand, and the need for skilled professionals in these fields continues to grow. From 2012-2016, the number of cyber and engineering related jobs in the U.S. grew by more than 600,000 and is expected to exceed more than 800,000 jobs over the next 10 years. From healthcare and finance to manufacturing and retail, cyber technology touches nearly every industry. Although Alabama boasts one of the highest concentrations of engineering and technical workforces in the nation, many jobs continue to go unfilled due to a shortage of workers with the necessary education and skills. The time is now to equip Alabama's students to meet the demand.

## The Mission

The Alabama School of Cyber Technology and Engineering (ASCTE), an independent residential magnet school, will provide academically motivated and gifted 7th through 12th grade students with educational opportunities and experiences in the rapidly growing fields of cyber technology and engineering beginning in August 2020. Located in Huntsville's Research Park, the school will also help prepare a broad range of teachers, administrators, and superintendents to replicate cyber technology and engineering studies in their own schools.



## The Vision

Educate, develop, and inspire the next generation of leading national professionals and technologists in engineering and cyber technology.

## Objective 2025:

By 2025, ASCTE will have concluded its fifth year of educating, developing, and inspiring the next generation to become tomorrow's industry-leading professionals in cyber technology and engineering. Annual school enrollment will have exceeded 300, with nearly 200 students having graduated in the preceding four years. A sizable number of ASCTE graduates will have received advanced placement in college and university cyber technology and engineering degree programs.



## The Projected Plan

- The Alabama School of Cyber Technology and Engineering will begin taking student applications in the fall of 2019.
- The first school year will begin in August 2020 with approximately 100 students in 10th and 11th grades and approximately 12 full or part-time teachers and necessary support staff.
- At capacity, the school is expected to be home to some 300 students and 60 to 80 full and part-time staff members.

## The Foundation

The Alabama School of Cyber & Engineering Foundation, a 501(c)(3) non-profit corporation, was established in January 2018 to benefit the school. The foundation's mission is three-

fold. First, the foundation was established to promote and connect the school with critical industry, academia, and government partners.

Second, the foundation assists the schools' Board of Trustees with planning all necessary goals and objectives for the successful establishment of the school. Currently, the foundation is tasked with managing the engagement and administration of various professional services regarding site selection, facility design, construction, program development, and executive employment recruiting services.

Finally, the foundation assists with securing funding for real property, equipment, and curriculum, as well as extracurricular and margin of excellence programs.

## The Commitment

The ASCE Foundation is committed to raising funds to pay for a portion of the capital costs (land and construction) for the school. To do this, the foundation will initiate capital campaigns with the goal to raise \$10 to \$12 million in private and corporate donations and grants. Additionally, the ASCE Foundation will seek federal and local grants to offset state contributions toward the capital costs. The end goal is for the foundation to secure enough funds in a timely fashion to construct the campus facilities. At present, the estimated cost for property and facilities is \$30 to \$40 million. The cost includes procurement of property, inspection, design, furniture, labs, residences, food service, and ancillary equipment.

# The ASCTE Graduate



*... fully prepared to make unique contributions to tomorrow's workforce as industry-leading professionals.*

Graduates of the Alabama School of Cyber Technology and Engineering will be fully prepared to make unique contributions to tomorrow's workforce as industry-leading professionals in the fields of cyber technology and engineering.

## The ASCTE Graduate Will:

- Graduate with strong ethics, passion, and purpose;
- Incorporate a selected engineering discipline(s) as an educational track;
- Demonstrate hard and soft skills that allow for immediate employment in industry, government, and/or advanced placement in post-secondary school;
- Comprehend the need for innovative thinking and entrepreneurial drive; and
- Have in hand at least one completed cyber-resilient project delivering significant value to a partner(s) or the school itself.

## The School Will Produce:

- A **growing pipeline** of high school graduates that are capable of advanced placement in and successful completion of post-secondary school programs or education/training;
- A **highly technical** engineering workforce pool that is prepared both in theory and practice for immediate employment in industry or government; and
- A **growing force** of educators who teach the impacts of cyber across all subjects.

# Our Search for a Visionary Leader

The Alabama School of Cyber Technology and Engineering Board of Trustees seeks a visionary leader to serve as its first president and lead creator of this innovative and challenging statewide residential magnet school.

The ideal candidate will have demonstrated ability to motivate and inspire people to act boldly, work collaboratively, and strive for excellence. He or she will be charged with gathering a team of academic leaders and technical experts to imagine, design, and create a unique residential learning environment for 7th to 12th-grade students from across the state that will serve as an example for Alabama and the nation.

The school, with the support of its foundation, will partner with industry, government, and academia to educate students prepared to address the world's ever-growing cyber and engineering challenges and threats. Students will be trained to embrace and grow ethical practices, professionalism, passion, and purpose, all while achieving technical expertise through inquiry and project-based learning experiences.

The board is seeking a dynamic and visionary president to champion these efforts with energy and enthusiasm. The ideal candidate will have demonstrated leadership experience, such as school superintendent experience, and will have expertise in developing and leading cyber technology and engineering programs.



*... to motivate and inspire people to act boldly, work collaboratively and strive for excellence.*

# Job Description

**The president will serve as the school's chief administrative officer as well as the chief academic officer. As such, he or she in part will:**

- Administer the rules, regulations, and policies adopted by the board;
- Oversee the school's and board's administrative functions, duties, and needs;
- Work with the board to establish an academic and technical leadership team;
- Serve as the primary link between the board and staff;
- Report to the board on all components of the school and make recommendations as needed;
- With the board, identify and communicate goals and develop a strategic plan for an innovative curriculum;
- Develop legislative budget requests for the school's operating and capital appropriations;
- Establish efficient financial and business procedures;
- Recommend to the board, appointment and compensation of academic and technical leaders, educators, and administrative staff; and
- Work with the school's nonprofit foundation to cultivate and develop positive relationships with community and support agencies.

## Salary

Benefits and a competitive salary will be negotiated based on experience and qualifications.



## Desirable Traits and Experience

The successful candidate should hold or be eligible for the appropriate certification to serve as a superintendent in Alabama and be prepared to commit to serve at least 5 years as president.

Experience as a superintendent and an earned doctorate from an accredited university are desired but not required.

### Applicants also should have:

- Demonstrated communication skills;
- Experience administering large budgets;
- Positive experience interacting with leaders at the state level, including legislators, and with the higher education and business communities;
- Broad knowledge of educational trends and existing programs;
- Ability to maintain a demanding work schedule, effectively utilize time, and make timely decisions;
- Ability to implement federal and state educational legislation; and
- Demonstrated commitment to serving a diverse student population and employing a diverse staff.

# How to Apply

This search is being conducted by the Alabama Association of School Boards. All applications will be taken through Frontline, AASB's online application system, at <http://bit.ly/AASBonlineapp>. If you are new to Frontline, you must first create a user account and password. Next, log in, complete the online profile, choose to apply for this search and upload a cover letter and resume. You also must have an official transcript sent directly to AASB from the institution that granted your highest degree.

If you have previously applied to an AASB-led search and already have a Frontline account, simply log in, choose to apply for this search, answer the questions specific to this search and upload a cover letter. You may email [SuperintendentSearch@AlabamaSchoolBoards.org](mailto:SuperintendentSearch@AlabamaSchoolBoards.org) to have AASB upload the official copy of your transcript if it is not yet part of your online file; it is not necessary to have another copy sent.

## Send Transcripts to:

Alabama Association of School Boards  
P.O. Box 4980  
Montgomery, AL 36103-4980  
or [SuperintendentSearch@AlabamaSchoolBoards.org](mailto:SuperintendentSearch@AlabamaSchoolBoards.org)

*Applications must be completed and transcripts received by February 18, 2019.*

A search committee will review all applications and finalists. The board will interview the top candidate. State law requires that interview be public. The president will be named by May 2019.

The president will be based at the school headquarters in Huntsville, Alabama.

## For More Information

Contact Dr. Terry Jenkins at 334-332-1253 or [JTerryJenkins@gmail.com](mailto:JTerryJenkins@gmail.com).

# Search Timeline

<b>Application deadline:</b>	<b>February 18, 2019</b>
<b>Interviews:</b>	<b>March 25-29, 2019</b>
<b>President begins:</b>	<b>By May 1, 2019</b>

## Our Community



Huntsville is the nation's fastest-growing tech city and Alabama's fastest growing metropolitan area, with approximately 1.2 million people residing within a 50-mile radius. Known as the "Rocket City," Huntsville is the birthplace of America's space program and recently was named by The New York Times as one of 52 places to visit in 2019 as the nation marks the 50th anniversary of the Apollo 11 moon landing.

With its booming technology, space and defense industries, the city is home to several Fortune 500 companies as well as the Redstone Arsenal Army post.

Located in the heart of the Tennessee Valley, the city's climate and topography make Huntsville a dream for outdoor enthusiasts. From watersports and boating on the Tennessee River to golf on the world-renowned Robert Trent Jones Golf Trail to the scenic hiking and biking trails in Monte Sano State Park, adventure and exploration await at every turn.

While growth and change are a constant part of the area's high-tech business industry, Huntsville's rich history, traditions, and warm Southern hospitality are never forgotten. The city boasts one of the largest concentrations of antebellum homes in the South as well as numerous attractions highlighting its Civil War history.