



**Alabama Southern  
Industry Alliance**

*for a Technologically Advanced Workforce*

**Scholarships • Internships • Jobs**

# **Creating a Pipeline to the Region's Best Jobs**

**You can become a Manufacturing Technologist  
through Alabama Southern in just two years!**

**A World-Class, 21<sup>st</sup>-Century Solution  
to Workforce Development**





# The Job Pipeline

## Scholarships • Internships • Jobs

According to the American Chemical Society:  
“Alabama Southern’s scholarships-internships-jobs model is a workforce development model for the nation!”

Advanced Technology programs at Alabama Southern Community College will place you on the fast track to the best, high-paying jobs in Southwest Alabama. These jobs are stable and are vital to the economic growth of Southwest Alabama.

### Scholarships

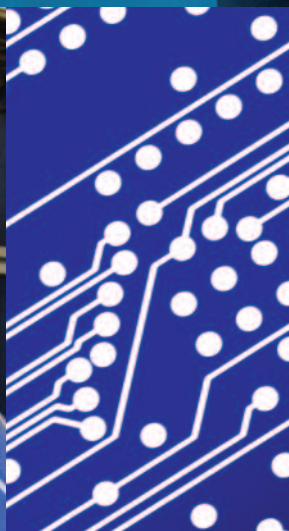
Alliance scholarships are offered annually on a competitive basis and provide tuition, fees, books and supplies. The scholarship evaluation process will consist of a committee review of the application package, including references and resume. Interviews will be scheduled for qualified applicants.

### Internships

The Alliance internship program allows selected students to spend five to eight weeks working with local industry, and allows all students to make frequent tours of area facilities. Students’ contact with industry helps them connect what they have learned in the classroom with actual applications. Internships are a win-win situation for industry, students and educators. The companies involved get to see how effective the program is and evaluate potential candidates for hire, and the students are able to experience a real-life industry setting and evaluate their career choice.

### Jobs

There are a variety of job opportunities awaiting students upon graduation from the advanced technology programs. Students will meet industry standards for advanced technology jobs at local industries. Some graduates pursue careers in the production environment where they work with highly sophisticated equipment. Others may choose to pursue a career in the construction industry where their skills are essential to the proper installation of equipment, and some may choose to pursue their own entrepreneurial interests.





# Become a Manufacturing Technologist and ride the wave of future success

## The Region's Best Companies

Rural Southwest Alabama is blessed with many of the nation's top manufacturers. Through astute management these companies have downsized and modernized to remain globally competitive.

Now every company is projecting large turnovers of 25 to 40 percent over the next ten years. Every company is searching for technologically advanced workers to fill the hundreds of jobs becoming available. With the right preparation, you can become a key player on a globally competitive team.

## The Region's Best Jobs

Not only are hundreds of jobs coming available, but these are also the best jobs in Southwest Alabama! These jobs typically start at over \$30,000, with significant opportunities for upward mobility and for overtime. These jobs are not for people who want to sit in an office, but for people who want to make things happen. These new jobs require people who have advanced skills but, even more importantly, people who can troubleshoot complex problems as part of a team.

## The New Manufacturing Technologist

In order to remain on top, companies need a new kind of 21st century worker. These new workers are called knowledge technologists because while they are action people who "do things," they are hired for their knowledge.

In manufacturing, they are called "manufacturing technologists," or "operator technologists," or "maintenance technologists." By any name, they are the key players in company success in the new century.

## Alabama Southern Industry Alliance for a Technologically Advanced Workforce

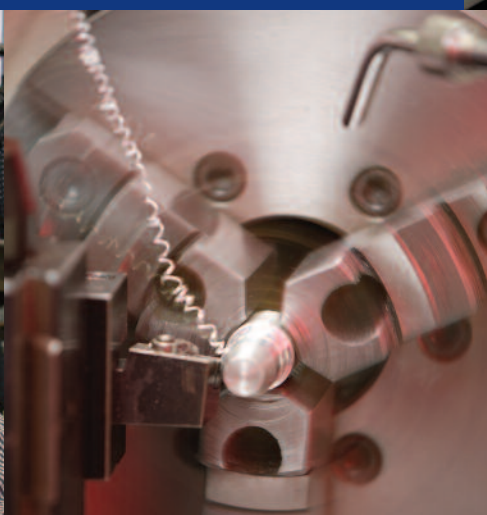
The American Chemical Society has cited Alabama Southern and its partners as one of the top six industry education alliances in the United States. The major manufacturers of Southwest Alabama have established this industry alliance with Alabama Southern Community College to jointly create jobs and produce a technologically advanced workforce.

Alabama Southern has spent over 10 years developing a set of industry-designed, two-year degree programs to meet this need. That the region's major manufacturers need hundreds of action-oriented people with solid academic backgrounds to spend two years in state-of-the-art training demonstrates just how serious they are about these new jobs!



**"Alabama Southern's technical training for the pulp and paper industry is without equal in the United States!"**

— Dr. Harry Cullinan, Auburn University, Pulp and Paper Research Center





# At Alabama Southern, even classroom learning takes a reality approach

**"Alabama Southern's process industries lab is one of the three best in the United States."**

— National Science Foundation Visiting Committee

## **Alabama Southern's technical labs are consistently rated among the best in the South!**

Alabama Southern's strong alliances with industries all over Southwest Alabama have helped us build a workforce development program that is recognized as one of the nation's best.

The American Chemical Society has described Alabama Southern's programs as a workforce development model for the nation, and that's just one of the reasons why we are building a brighter future for all of Southwest Alabama.

Hands-on training and an industry driven curriculum give students the most up-to-date training available anywhere. Students leave the program ready to assume a competitively-paying job in one of Southwest Alabama's fastest growing industries.

## **Alabama Southern faculty are technical experts, loaded with industrial manufacturing experience.**

The faculty are chemical, mechanical and electrical engineers with decades of experience in pulp, paper, chemical and other manufacturing industries. Their examples and advice reflect relevant and meaningful real-world experiences.

## **Every Alabama Southern classroom is a state-of-the-art, multimedia, learning environment**

Students receive a solid foundation in the classroom. Students work directly in advanced technology environments, applying classroom knowledge in a work environment.

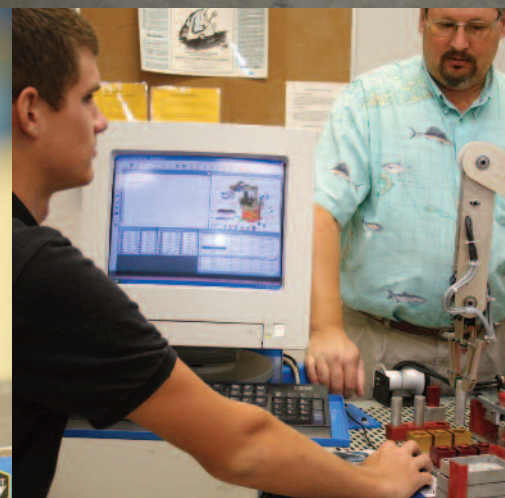
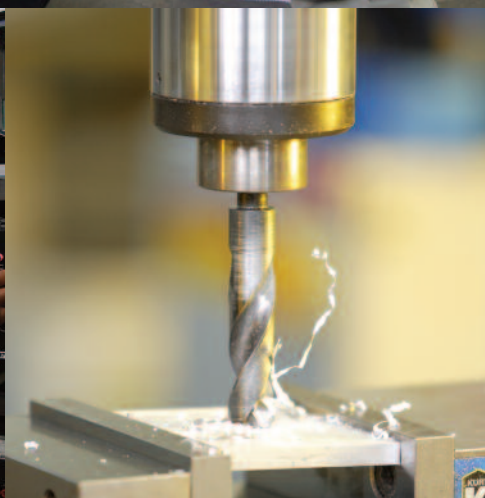
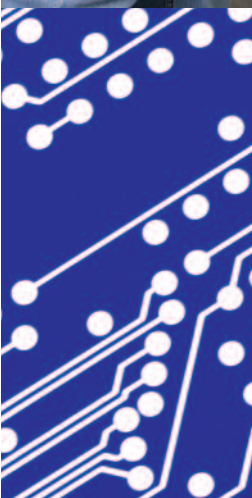
In Alabama Southern's Advanced Technology programs, students aren't just gaining knowledge, they are applying knowledge. Classroom lectures give students broad-based skills in science, mathematics, problem solving, communications, safety and computers, while practical labs allow students to put those skills right to work.

## **Advanced Technology Programs**

Paper and Chemical Technology

Industrial Engineering Technology

- Instrumentation and Electronics Track
- Electrical Technology and Industrial Maintenance Track
- Machine Technology/Millwright Track





# Alabama Southern Industry Alliance for a Technologically Advanced Workforce

## Industry • Workforce • Education • Economic Development

*“Working together to build a better future for all of Southwest Alabama”*

Preparing students to meet the demands of today’s workplace is a challenge for colleges and industries. Alabama Southern’s alliances with area industries are helping us develop programs to train a technologically advanced workforce for Southwest Alabama.

The two major objectives of the Alabama Southern Industry Alliance for a Technologically Advanced Workforce are to create a world-class workforce for employment within local industries and to guarantee that local citizens are prepared to take these great jobs. The industry employees of the future must be multi-craft and multi-skilled employees.

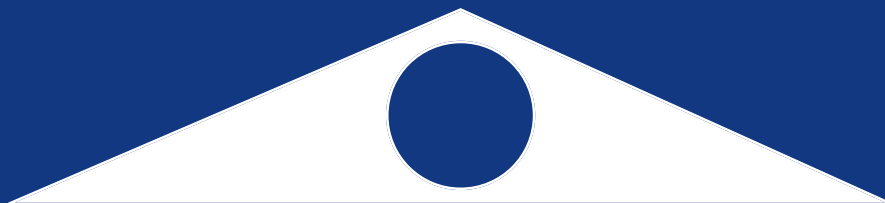
Graduates of Alabama Southern’s Advanced Technology programs will qualify for the best jobs in Southwest Alabama.

Industries will benefit from hiring graduates of these programs, because Alabama Southern’s Advanced Technology graduates are the “new century manufacturing technologists.” These students not only have the skills to complete the task presented to them, but also the knowledge to accurately troubleshoot what any problem may be — making them “knowledge technologists.”

Traditional factors of production, such as resources, capital and labor are still important but have become secondary to technical knowledge in today’s industrial workforce. Knowledge technologists are key to the success of 21st century industries.

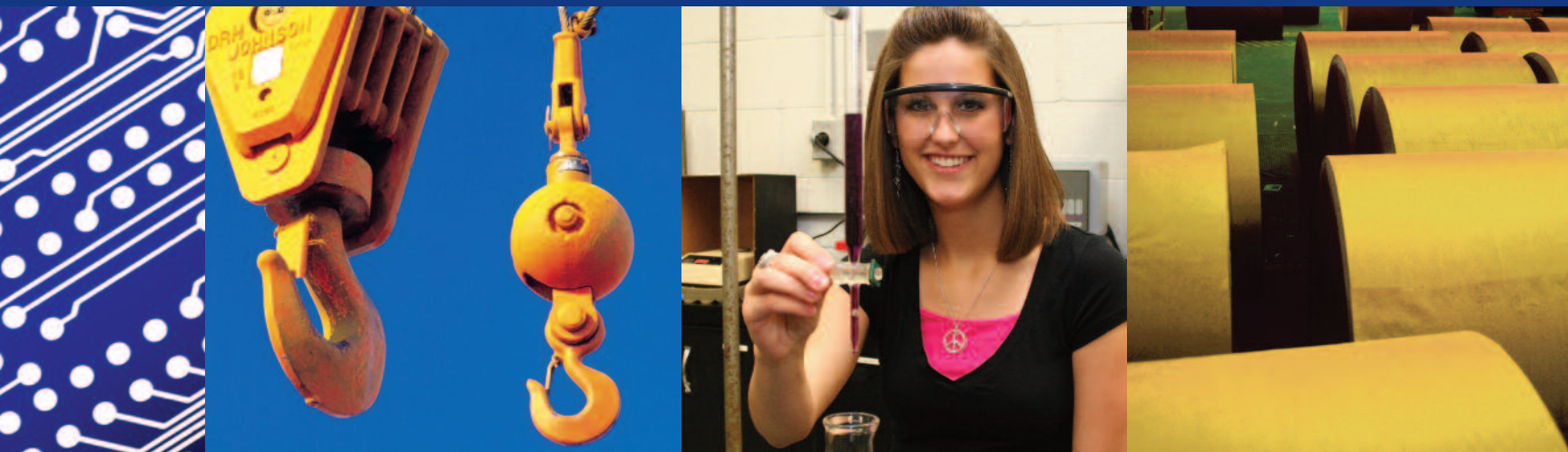
In 1995, Alabama Southern broke new ground in job training as industry, labor, community and education leaders joined forces to design a degree program aimed at creating a world-class 21st century solution to workforce development. Over time, the partnership has expanded to include almost all of Southwest Alabama’s major employers. Other education and organization partners include Auburn University, American Chemical Society, American Forest and Paper Association, Alabama Technology Network, TAPPI and the National Science Foundation.

*In 2006, Alabama Southern was named among the top 10 in the nation for the National Bellwether Award for Workforce Development by the Community College Futures Assembly.*



# ALABAMA SOUTHERN

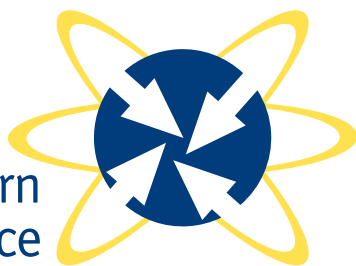
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## Alabama Southern Industry Alliance

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In order to remain on top, companies need a new kind of 21st century worker. These new workers are called knowledge technologists because while they are action people who “do things,” they are hired for their knowledge. In manufacturing, they are called “manufacturing technologists,” or “operator technologists” or “maintenance technologists.” By any name, they are the key players in company success in the new century.

Alabama Southern is one of the nation’s leading training centers for this new breed of worker. Alabama Southern offers students the opportunity to learn advanced technology skills in a world-class educational facility and receive an Associate in Applied Science degree in just two years. Alabama Southern’s state-of-the-art labs have been recognized by the National Science Foundation as the Advanced Technological Education National Center for Pulp and Paper Technology training.

### **Cutting-Edge Facilities give you a Head Start**

Hands-on training and an industry driven curriculum give students the most up-to-date training available anywhere. In Alabama Southern’s Advanced Technology programs, students aren’t just gaining knowledge, they are applying knowledge. Classroom lectures give students broad-based skills in science, mathematics, problem solving, communications, safety and computers, while practical labs allow students to put those skills right to work. Students leave the program ready to assume a competitively-paying job in one of Southwest Alabama’s fastest growing industries. The



faculty are chemical, mechanical and electrical engineers with decades of experience in pulp, paper, chemical and other manufacturing industries.

### **Scholarships**

Alabama Southern Industry Alliance partners offer full scholarships each year to Alabama Southern’s Advanced Technology programs. Qualifications and requirements for each scholarship may vary, so please refer to details listed on the scholarship application form.

### **How to Apply**

Applications are available in the Student Development office on any Alabama Southern campus or can be downloaded at our Web site: [www.ascc.edu](http://www.ascc.edu). Scholarships are limited, and the application deadline is February 15. For more information contact Dr. Charles Shepherd at (334) 637-3179 or by email at [cshepherd@ascc.edu](mailto:cshepherd@ascc.edu). Visit our Web site, [www.ascc.edu](http://www.ascc.edu), for more information.

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