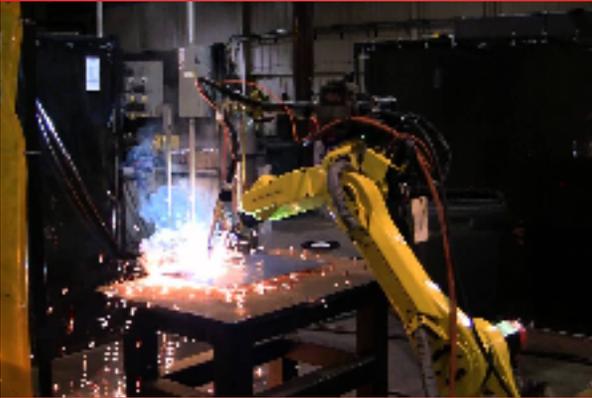


R.A.M.

For More Information:

Talk to your school counselor first. Then, please contact Amy Shannon at the College and Career Center—682-6650



See Your Counselor to Apply!



CAREER TECH. AT THE CCC

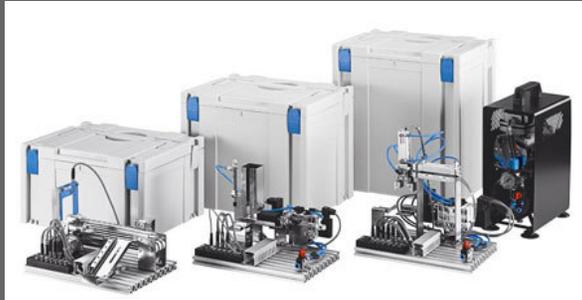
Russ Cofield, Principal
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Robotics and Automated Manufacturing



Shelby County College and Career Center



Robotics & Automated Manufacturing

Robotics and Automated Manufacturing is one of the fastest growing career fields in America. Shelby County received an Innovative Program Grant through the Alabama Department of Education to begin a new program in the fall of 2014 that will introduce students to the knowledge and skills needed to pursue a career in this exciting area. The R.A.M. program is a partnership between Shelby County Schools and Central Alabama Community College. Students will be taught by both high school and college instructors on state-of-the-art equipment. Through dual enrollment, students taking courses in R.A.M. will receive both high school AND college credit—thus allowing for an early start on a 2 year or 4 year degree!

Automated Manufacturing

So—exactly what is automated manufacturing? Well, automation is a technique for making a piece of equipment run or a process occur with minimal direct human intervention. This type of manufacturing isn't your father's old assembly line. These functions and today's technologies are complex! (Think Mercedes, Hyundai, and Airbus) Now, nearly everything in manufacturing is subject to automation. In fact, much of the work is done by industrial robots. The technology involved includes mechanical, electrical, and computer systems. When one of these processes has a problem—someone must be able to solve it quickly so that time and money aren't wasted. That person is an automation technician. Classes taught in the new R.A.M. program will introduce students to these technologies. The first course, Direct Current, and the second, Alternating Current, will teach students about electricity. Students will build electrical circuits; learn about computer applications in automated manufacturing; and begin some basic robotic programming. Safety is also a large component of these courses.

Who should take R.A.M.?

The new R.A.M. program is open to high school students in grades 10-12. Students will enroll as two-hour Career / Tech students at the College and Career Center in Columbiana. Students need to be interested in this field of study. Also, they need to enjoy math and be proficient in it. Students who like to work with computers are needed as there will be instruction on basic computer programming. Also, we are looking for students who like to solve problems and like a project-based, or "hands-on" approach to learning. If you want to get your hands on a robot and learn how to program it—this program is for you!