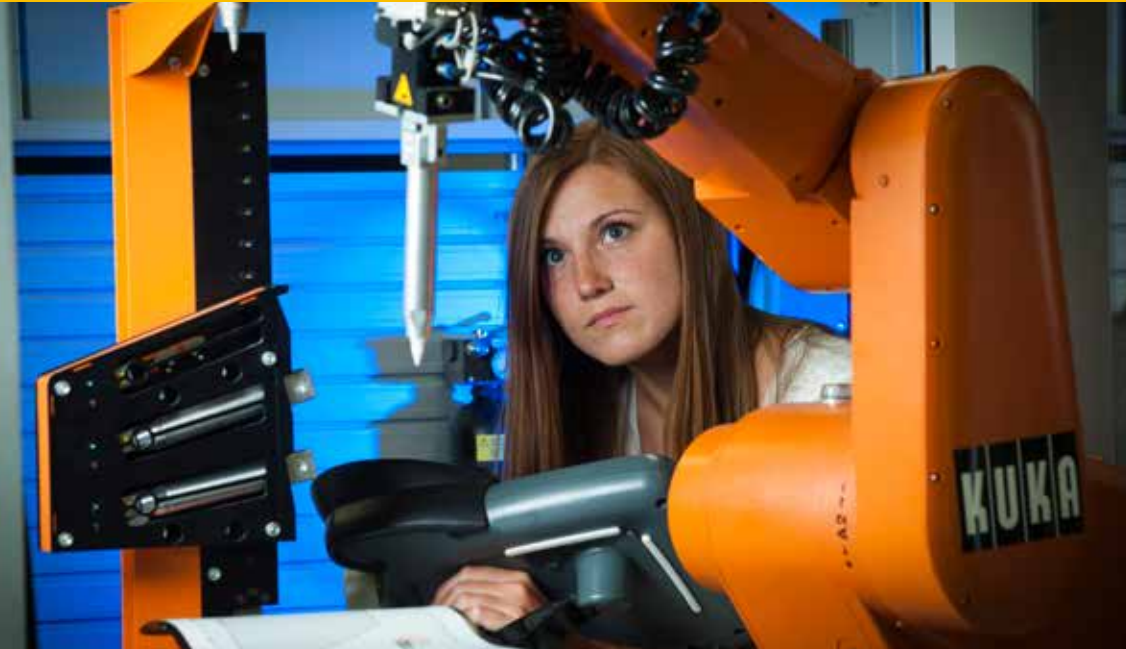


Mechatronics Technology



www.gvltec.edu/mechatronics

Contact:
(864) 250-4160

Visit Us:
Brashier Campus
1830 West Georgia Road
Simpsonville, SC 29680

Mailing Address:
MS 2011, P.O. Box 5616
Greenville, SC 29606

In the manufacturing environment, downtime costs money. Keeping machinery up and running and anticipating and avoiding problems before they happen are the responsibility of people with skills in electrical systems, fluid power, electronics, computer controls, PLCs, instrumentation, robotics, and information technology. To keep education in line with the need for these critical skills, five Upstate technical and community colleges including Greenville Technical College have collaborated to offer training in the new, interdisciplinary field of mechatronics.

Mechatronics is high-tech problem solving, and it's a career that will take you away from the office and out onto the manufacturing floor, where every day is different. You'll work to see that the manufacturing process avoids expensive downtime. Your job is to detect and diagnose problems and correct them before they become major situations.

A mechatronics education pays off in both respect and salary. Since your skills are critical to the success of any manufacturing company, you can expect a starting salary that should average around \$38,500. As you continue to learn on the job, your value will increase, making this a strong career opportunity. And with the aging of the current workforce, many experienced technicians are retiring, so a new generation of qualified mechatronics professionals is needed to keep industry up and running.

Advanced courses in Mechatronics are taught at Greenville Technical College's Center for Manufacturing Innovation, located on the Millennium Campus adjacent to CU-ICAR at I-85 and Laurens Road. General education courses may be available at different GTC campus locations. Introductory Mechatronics courses are taught at the Brashier Campus in Simpsonville. For more information, go to CMIgreenville.com. Check for upcoming tours!

CMI (Center for Manufacturing Innovation) Campus is located at 575 Millennium Boulevard, Greenville, SC 29607.



Program Options

- **Mechatronics Technology Associate Degree**
- **Production Technology Associate I Certificate**
- **Production Technology Associate II Certificate**
- **Mechatronics I Certificate**
- **Mechatronics II Certificate**

Career Opportunities

- Job prospects are expected to be favorable for those with skills that cross the disciplines of control systems, electronic systems, computers and mechanical systems.
- Many people in this field are expected to retire in the coming years, and employers have reported difficulty in recruiting young workers with the necessary skills to fill these positions.
- Top hourly wages of industrial machinery mechanics were \$21.84 in May 2010.
- The median annual wages for all specialized engineers not categorized was \$92, 680 as of May 2013. The middle 50% of these professionals earned between \$68,610 and \$117, 930 yearly.
- Starting pay per hour is around \$17.56, up to \$29 to \$32.75

What you'll learn

- integration of electrical systems, fluid power, electronics, computer controls, PLCs, instrumentation, robotics, and information technology
- placement and installation of new machinery
- how to detect and diagnose electrical, mechanical, and electronic control problems and correct them before they become major situations
- preventive/predictive maintenance, important in extending a machine's life and keeping machines in good working order
- how to inspect, diagnose, repair, service, and install electro-mechanical equipment, automated manufacturing, and packaging machinery
- knowledge and skills which will enhance your ability to perform duties as a technician in industrial and service organizations
- programmable logic controllers
- automated technology
- robotics
- pneumatics and hydraulics
- terminology of gas welding
- how to MIG weld
- blueprint reading and schematics



Greenville Technical College
**CENTER FOR
MANUFACTURING
INNOVATION**

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