

# PIKE COUNTY SCHOOLS

## Superintendent:

Dr. Mark Bazzell - [mbazzell@pikecountyschools.com](mailto:mbazzell@pikecountyschools.com)

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## Academy and Dual Enrollment Coordinator:

Mrs. Jodie Jefcoat

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[www.pikecountyschools.com](http://www.pikecountyschools.com)

The Pike County School System does not discriminate based on race, color, national origin, sex, disability, or age in its programs and activities. It provides equal access to the Boy Scouts and other designated youth groups.

The following person has been designated to handle inquiries regarding the non-discrimination policies:

Mrs. Tamika Hurt, Special Programs Coordinator  
(334) 566-1850 – [thurt@pikecountyschools.com](mailto:thurt@pikecountyschools.com)

## Pike County Schools

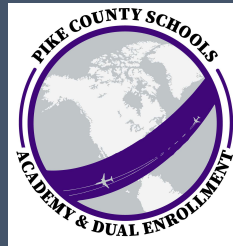
101 West Love Street

Troy, AL 36081

(334) 566-1850

"I HAVE BEEN IMPRESSED WITH  
THE URGENCY OF DOING.  
KNOWING IS NOT ENOUGH; WE  
MUST APPLY. BEING WILLING IS  
NOT ENOUGH; WE MUST DO."

LEONARDO DA VINCI



## CA<sup>3</sup>L: CENTER FOR ADVANCED ACADEMICS AND ACCELERATED LEARNING

205 MOCKINGBIRD LANE

TROY, AL 36081

CA<sup>3</sup>L OFFICE (334) 566-5396

[WWW.PIKECOUNTYSCHOOLS.COM](http://WWW.PIKECOUNTYSCHOOLS.COM)



## Mechatronics



## Academy



## Pike County Schools

101 West Love Street

Troy, AL 36081

(334) 566-1850

## WHAT IS MECHATRONICS?

Mechatronics is a multidisciplinary branch of engineering that focuses on the engineering of both electrical and mechanical systems.

Mechatronics also includes a combination of robotics, electronics, computer, communications, systems, control, and product engineering.

You will study for both industrial and college certifications/degrees at ESCC in Mechatronics that teach you about electronics, motors, automation, robotics, and other advanced manufacturing processes that can make you competitive for many high wage, high demand jobs. Coursework also includes studying programmable logic controllers, hydraulics, pneumatics, instrumentation, and troubleshooting.

**“GROWING A TALENTED WORKFORCE HELPS ENSURE MANUFACTURING WILL CONTINUE TO BE THE BEDROCK OF OUR ECONOMY AND COMPETITIVENESS.”**

- JAY TIMMONS, PRESIDENT & CEO, NATIONAL ASSOCIATION OF MANUFACTURERS

## OPTIONS

Although very similar, there are four instructional paths within the Mechatronics Associate in Applied Science degree program, they include:

1. Advanced Controls Option
2. Business Option
3. CNC Machining
4. Electronics Option
5. Programming Option

Each option is designed to prepare students for varying aspects of the workforce related to the Mechatronics field. Course sequencing is specifically geared towards the specialty option chosen.

## WHAT IS MECHATRONICS?

- Manufacturing - maintenance technicians, operators, electricians, mechanics, research and testing, robotics technicians, etc.
- Industrial Engineering - sales, process technicians, quality inspectors, safety managers, automation specialists, etc.
- Aerospace - unmanned vehicle technicians, avionics technicians, aerospace technologists, etc.
- Medical - instrument technicians, medical equipment service, prosthetic designers, etc.
- Programming - PLC programmers, data acquisition specialists, microprocessor development, CAD/CAM, etc.
- And much, much more!

## MECHATRONICS WITH ESCC

**Flexibility, Availability, Accessibility for Everyone!**

- Associate of Applied Science Degree
- Short and Long-term College Certificates
- Industrial Certifications

**“THE SKILLS GAP IS A REFLECTION OF WHAT WE VALUE. TO CLOSE THE GAP, WE NEED TO CHANGE THE WAY THE COUNTRY FEELS ABOUT WORK.”**

- MIKE ROWE, TV HOST, WRITER, NARRATOR, AND FOUNDER OF THE MIKE ROWE WORKS FOUNDATION