

PIKE COUNTY SCHOOLS

Superintendent:

Dr. Mark Bazzell

mbazzell@pikecountyschools.com

**Administrative Assistant
to the Superintendent/
Program Director:**

Jeff McClure

jmcclure@pikecountyschools.com



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

Please contact **Dr. Mark Head** at **(334) 566-1850** for inquiries regarding the non-discrimination policies.

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



**CA³L: CENTER FOR ADVANCED ACADEMICS
AND ACCELERATED LEARNING**

205 MOCKINGBIRD LANE

TROY, AL 36081

CA³L OFFICE (334) 566-5396

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. Electronics Option
4. 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