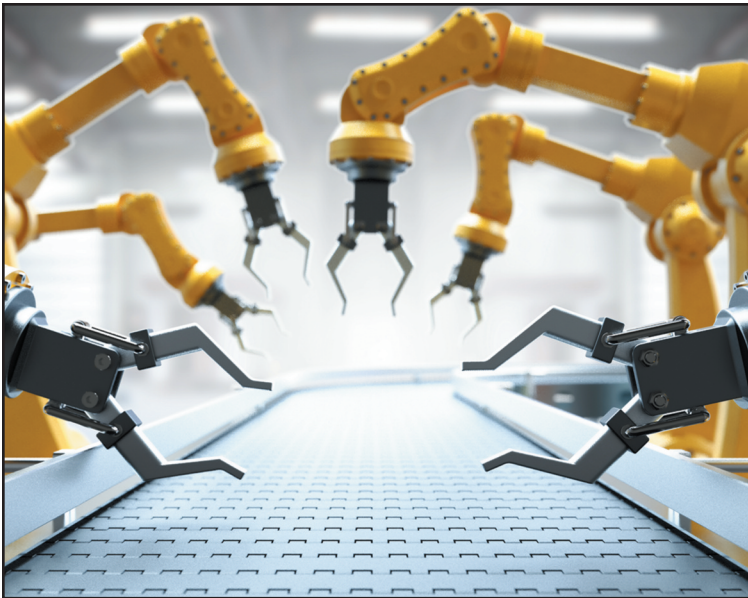


MANUFACTURING

MECHATRONICS
PATHWAY

Mechatronics is a diverse field. It encompasses many inter-related disciplines including Electronics, Mechanics, Fluid Power, Electrical Control Systems, Programmable Logic Controllers (PLC), Computers, and Robotics. Mechatronics is a term which includes the above disciplines and takes an integrated approach to their study. People employed in the mechatronics field deal with automated systems in a wide variety of applications. They also deal with related professional and technical support activities such as production planning and control, maintenance, and engineering.

PATHWAY COURSES

- Introduction to Mechatronics
- AC Theory, Electric Motors, and Hydraulic Systems
- Semiconductors Mechanical Systems, and Pump and Piping Systems

RECOMMENDED COURSES

- Advanced Math
- Physics
- Foundations of Engineering and Technology
- Intro to Digital Technology

POST-SECONDARY DEGREES, DIPLOMAS, AND CERTIFICATES

- 4-Year Universities/Colleges
- 2-Year Colleges
- Technical Colleges
- State Registered Apprenticeships
- Special Purpose Schools
- On-the-Job Training
- Military

CAREER AND TECHNICAL STUDENT ORGANIZATIONS

**CAREER
EXPLORATION**
& *Pathway Discovery*
CTAE Career Pathways / Fine Arts Pathways



Source: GADOE Plans of Study

<http://www.gadoe.org/Curriculum-Instruction-and-Assessment/CTAE/Pages/Georgia-Career-Pathways-New-Rule.aspx>

- Alliance Academy for Innovation
- Forsyth Central High School
- North Forsyth High School
- Denmark High School
- Forsyth Virtual Academy
- South Forsyth High School
- East Forsyth High School
- Lambert High School
- West Forsyth High School