

ASSOCIATE IN APPLIED SCIENCE - T

Mechatronics

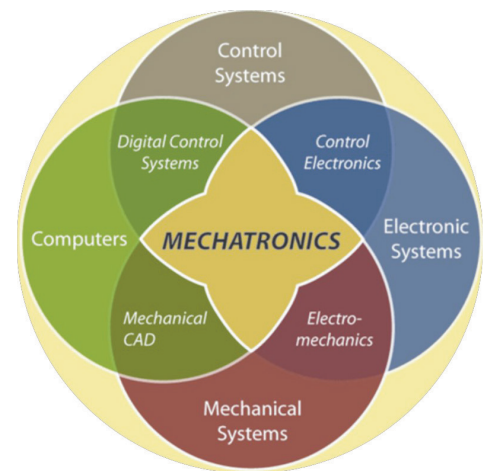
Mechatronics isn't one industry, or a single area of study. Mechatronics is a multidisciplinary subject combining mechanical engineering, electrical engineering, telecommunications engineering, control engineering, and computer engineering.

This makes it applicable to a wide range of growing industries, including automation and robotics, advanced manufacturing, aerospace and transportation systems, instrumentation and process control, and supply chain and logistics equipment.

CPTC's AAS-T Mechatronics Technician degree provides the foundational skills needed to succeed in this exciting field. The program begins with courses that establish a solid base of technical skills and an understanding of modern quality principles. Subsequent courses then build expertise in electrical systems, electronics (analog and digital), programmable logic controllers (PLCs), mechanical systems, sensors and actuators, pneumatics and hydraulics, and robotics.

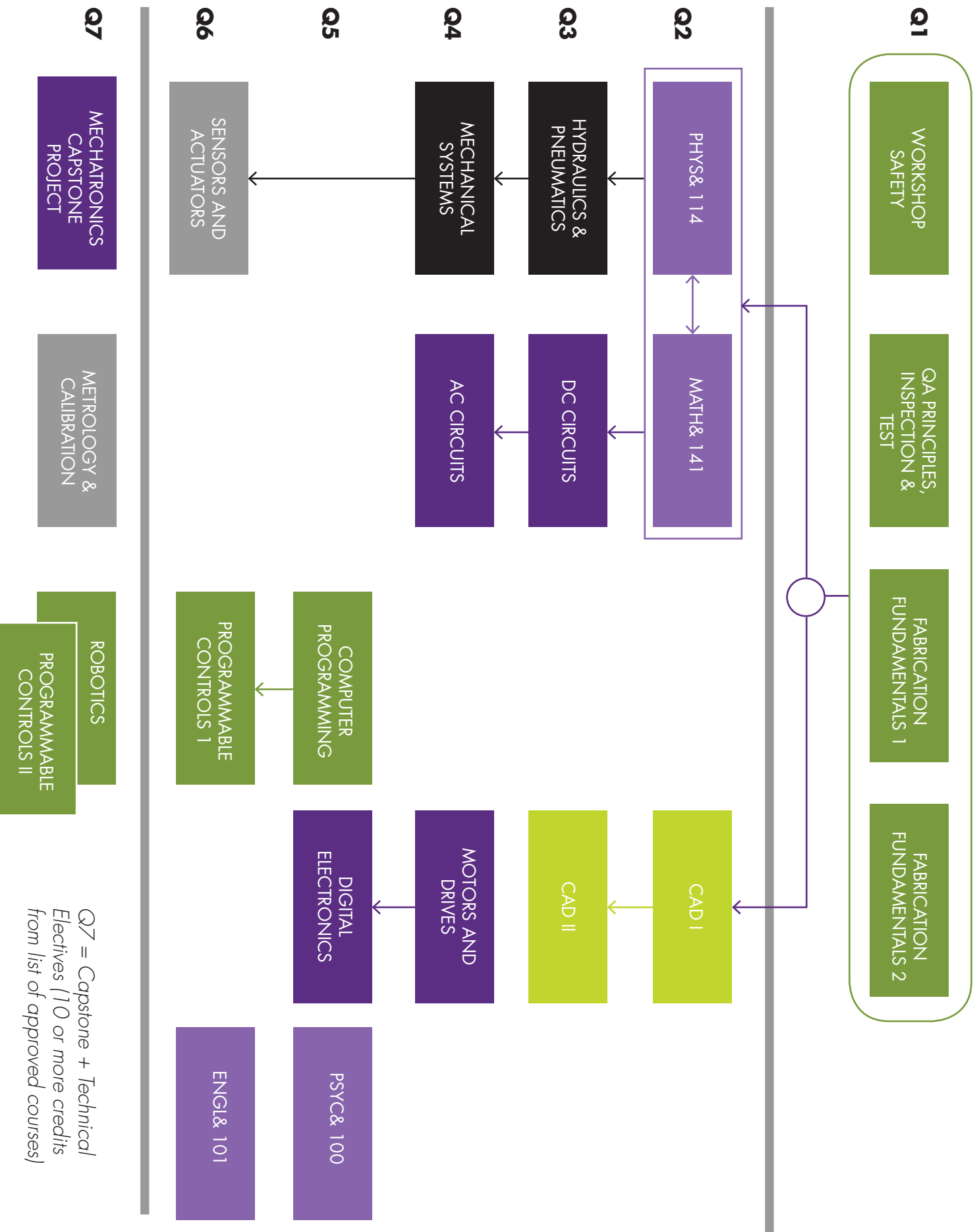
Here are just a few of the local industries that might employ program graduates to install, maintain and repair complex equipment:

- **Advanced Manufacturing** – machine tools, flexible manufacturing cells.
- **Logistics and Shipping** – materials handling equipment in warehouses and distribution centers.
- **Construction/Building** – building control and automation systems.
- **Food Processing** – instrumentation and process controls.



For more information about the program, please contact mechatronics@cptc.edu
www.cptc.edu/programs/mechatronics





Q7 = Capstone + Technical Electives (10 or more credits from list of approved courses)