MECHATRONICS ENGINEERING TECHNOLOGY, B.A.S.

Study: The highly automated manufacturing industry of the 21st century has created a high demand for engineers and technologists who not only have a knowledge of the engineering fundamentals, but are also well versed in systems integration, project management, technical communication, device networking, procurement, supply chain management, and industrial safety. A graduate of the Mechatronics program at UTC will be well poised to assume responsibilities as a process engineer, design engineer, sales engineer, and project manager in automation-based industries such as automotive industry, food and chemical processing plants, automation solution providers, industrial controls companies, and aviation industries.

Math Requirements for Mechatronics Engineering Technology:
Calculus I; Statistics.

Sample Courses from the Curriculum:
- ETME 3010: Control Systems Technology
- ETME 3210: Automated Material Handling
- ETME 3230: Industrial Programming and Networking
- ETME 4110: Integrated Mechatronics System
- ETME 4130: Applied Electric Power and Machinery
- ETME 4220: Robotics & Motion Control

WHAT A MECHATRONICS ENGINEERING TECHNOLOGIST CAN DO

- The Systems Approach and Integration concepts are the main focus of the learning outcome for the UTC Mechatronics program. Additionally, skills such as communications, safety, project management, team dynamics, logistics, lean manufacturing, and technical problem solving and troubleshooting greatly enhance the learning experience.
- You will find Mechatronic engineers and technologists in large global enterprises developing futuristic vehicles, challenging defense technology, and revolutionizing consumer products. They may also work in smaller innovative ‘high tech’ companies supplying software, parts, and equipment. They could be product developers, work in manufacturing, or mining or defense industries, and in government and industry research groups.

WHO IS RECRUITING US?*

Komatsu ● Volkswagen ● General Motors ● Denso ● McKee
Wacker ● ADM ● Gestamp ● Mars ● Nissan ● Bridgestone ● GE

*Companies that are typically interested in mechatronic technologists.

Learn More about this program and other Engineering Management & Technology Degrees at www.utc.edu/mechatronics