



LEARNING OUTCOMES

Associate in Applied Science (AAS)
Program: Mechatronics and Robotics Systems

Upon completion of this program, students will be able to:

1. Apply scientific principles of electricity to understand the operation of industrial electrical equipment and circuits.
2. Apply fluid power principles to the operation of industrial pneumatic and hydraulic circuits.
3. Demonstrate the ability to build electrical, mechanical, and control circuits from a print.
4. Demonstrate the understanding of the operation and programming of automatic control systems.
5. Demonstrate proper programming and safe operation of robotic arms.
6. Demonstrate calibration, programming and operation of robotic vision systems.
7. Demonstrate the design, commissioning and operation of a mechatronic system.

SLOs AAS Mechatronics and Robotics Systems

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March 2016