Robotics Technology Program Student Learning Outcomes
Baltimore City Community College

As a result of this program, the student will be able to:

I. Foundation in Robotics Technologies.
   • Operate/program/repair industrial robots.
   • Describe current status of robotics technology and new development.
   • Operate CNC machine to produce a part with the process of designing, AutoCAD, format conversion, design input, CNC tool/path configuration, CNC simulation and CNC operation.
   • Use various sensors to develop an automation cell.

II. Foundation in Electronics
   • Use Ohms’ Law and Kirchhoff’s rule to analyze DC/AC circuits.
   • Solve problems related to semiconductors, digital systems and PLCs.

III. Foundation in General Subjects
   • Use CAD software to produce 2D and 3D designs.
   • Use college level mathematics knowledge to solve technology problems.
   • Communicate with peers/supervisors effectively.