



Industrial Robotics/Mechatronics

Program Description

Robotic students focus on the design and building of complex electro-mechanical systems that perform repetitive processes with a high degree of precision and reliability. Individual work-cells built in the classroom may form materials, weld, paint, sort or test individual objects. The modern manufacturing operation has replaced manual material handling with automation and robots, thus making it possible for one robotic technician to operate several processes at once. Students will work on industry level equipment such as Fanuc, ABB robots, program logic controllers and software.

This program provides a great hands-on experience for students interested in engineering, computer programming, electronics, computer-aided manufacturing (CAM), material science, and machine tool operations.

| <i>Instructor</i> | <i>Course(s) Name</i> | <i>Instructor Contact Information</i> | <i>Program Links & Information</i> |
|-------------------|-----------------------|---------------------------------------|--|
| David Converse | Industrial Robotics | dconverse@pinckneypirates.org | Informational Video |

**Consortium: 11th and 12th grade students from all local districts may request to enroll in this CTE Program*

