

# CONTROL SYSTEMS TECHNOLOGY MINOR

The Control Systems Technology curriculum helps students establish a foundation of knowledge about science principles before focusing on the application that knowledge to technology. Laboratory courses encourage students to design, program, develop and construct projects independently and collaborate in small groups. The minor in Control Systems Technology is available to students who complete 18 credits of technical courses related to the study of robotics and control systems.

## ***Regulations Governing Minor Course Work***

1. There shall be a minimum of 18.0 credit hours with a minimum Millersville QPA of 2.0.
2. Only one course which counts toward your major may be counted toward your minor.
3. Courses that count toward a minor are also eligible to be used to satisfy the current University-wide General Education requirements subject to normal distribution requirements.
4. At least two courses should be at the upper-division level (300-400). Exceptions may be requested upon evidence of program depth.
5. No course needed for the minor may be taken Pass-Fail.
6. One-half or more of the work required for the minor must be completed at Millersville University.
7. No student may minor in his or her major.

## **Minor in Control Systems Technology**

Code	Title	Hours
AENG 261	Electronic Systems	3
AENG 262	Semiconductor Electronics	3
AENG 325	Power Conversion and Control	3
Control Systems Technology Electives - Choose 3 of the following:		9
AENG 130	Production Materials & Processes	
AENG 241	Drafting Communications	
AENG 326	Fluid Power	
AENG 342	Computer-Aided Engineering Drawing	
AENG 364	Digital Electronics	
AENG 425	Industrial Robotic Systems	
AENG 427	Programmable Logic Controllers	
AENG 467	Mobile Robotics	
<b>Total Hours</b>		<b>18</b>