

# Mechatronics Advanced Automation Short-Term Certificate

**Advisors - Ayers Campus:** Tony Thrower, Electrical Building (256.835.5441) [tthrower@gadsdenstate.edu](mailto:tthrower@gadsdenstate.edu); Andy Robertson, Electronics Building (256.835.5427) [arobertson@gadsdenstate.edu](mailto:arobertson@gadsdenstate.edu); Keith Tolbert, Electronics Building (256.835.5460) [ktolbert@gadsdenstate.edu](mailto:ktolbert@gadsdenstate.edu)

**East Broad Campus:** Tommy Hartline, Bevill Center (256.546.8634) [thartline@gadsdenstate.edu](mailto:thartline@gadsdenstate.edu); Ralph Whitfield, Bevill Center (256.549.8632) [rwhitfeld@gadsdenstate.edu](mailto:rwhitfeld@gadsdenstate.edu)

NOTICE: For the short-term certificate in Mechatronics Advanced Automation, the student must complete all of the 22 credit hours listed below. All courses must be approved by the advisor. Admission requirement: High school diploma or GED.

The courses in this program of study may not be offered every semester. It is important to consult with your advisor to determine course schedules to stay on track to graduate.

## Required Courses

<b>Item #</b>	<b>Title</b>	<b>Hours</b>
EET 197	Selected Topics in EET	3
EET 276	Elements of Industrial Controls with PLCs II	3
EET 277	Elements of Industrial Controls with PLCs II Lab	2
ELT 212	Motor Controls II	3
INT 113	Industrial Motor Control I	3
INT 180	Special Topics	2
	ELT 231 or INT 184	3
INT 252	Variable Speed Motor Drives	3
	Sub-Total Credits	22
	<b>Total Credits</b>	<b>22</b>