

# AME 40453 – In-Lab Score Sheet

## C3 – Actuators

NDID#: \_\_\_\_\_

For more details on any of the items below, please refer to the lab handout.

**The following items will be demonstrated to the lab instructor during lab.**

Item and Description	Points Awarded	Possible Points
<b>Station A: DC Motor</b> The motor direction is successfully controlled using the Arduino and Cytron motor driver board.		5
<b>Station B: Stepper Motor</b> The stepper motor takes 5 seconds to complete one clockwise rotation, then changes direction for a 5 second counter-clockwise rotation.		5
<b>Station C: Pneumatic Cylinder</b> The cylinder periodically extends for 3 seconds, then retracts for 3 seconds.		5
<b>Station D: Brushless DC motor</b> The speed of the motor is controlled by the duty cycle of the PWM square wave.		5
<b>TOTAL</b>		20