AME 40453 – In-Lab Score Sheet

C4 – 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
Station A: DC Motor The motor speed is successfully controlled using the Arduino and L298N.		5
Station B: Stepper Motor The stepper motor takes 5 seconds to complete one clockwise rotation, then changes direction for a 5 second counter-clockwise rotation.		5
Station C: Pneumatic Cylinder The cylinder periodically extends for 3 seconds, then retracts for 3 seconds.		5
Station D: Brushless DC motor The speed of the motor is controlled by the duty cycle of the PWM square wave.		5
TOTAL		20