

## AME 20216 – Score Sheet

A8 – Microcontrollers

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 the allotted lab time. Credit will not be given for portions completed outside of lab.

Item and Description	Points Awarded	Possible Points
<b>Part I: Digital Flip-Flop</b> Pressing the button toggles between the yellow and green LED.		4
<b>Part II: Measuring Pressure</b> The correct pressure and airspeed are displayed in the Arduino serial monitor.		4
<b>Part III: LCD Screen - Hello World!</b> The Hello World! message is printed to the LCD screen.		4
<b>Part IV: Avionics Interface</b> The correct pressure and airspeed are displayed on the LCD screen.		4
<b>Part V: Design Challenge</b> The correct pressure and airspeed are displayed on the LCD screen. Pressing the button toggles from units of Pa and m/s to inH2O and mph.		3
<b>Clean-up</b> The students returned the lab bench to its initial state.		1
<b>TOTAL</b>		20