

Team 5 Requirement Summary:

Module Name	High-Level Requirement	Points
Power Module	<ul style="list-style-type: none"> This module should successfully supply power to each subsystem of the circuit (12V, 5V, 3.3V). 	10
Control Module	<ul style="list-style-type: none"> The control module should successfully read each sensor's input and give the command to the environment regulator: <ul style="list-style-type: none"> Low temp → heating pads on High temp → cooling fans on Low humidity → water valve open High humidity → cooling fans on Low pH → pH up valve open High pH → pH down valve open Low moisture → water valve open LEDs on for twice as long as off during blink program 	20
Environment Regulator Module	<ul style="list-style-type: none"> The regulators should make the correct response (each subsystem should successfully turn on when instructed to by the control module). 	10
Display Module	<ul style="list-style-type: none"> This module should display the current conditions of the environment. This module should successfully read the input from the user and pass it to the MCU. 	10
	Total	50