

Navigate through speed challenge	sec	47				27										
Speed gate points	0...250	202	0	0	0	223	0	0	0	0	0	0	0	0	0	0
Fastest Vehicle	250	0	0	0	0	250	0	0	0	0	0	0	0	0	0	0
Speed Challenge sub-total		452	0	0	0	723	0	0	50	50	0	0	0	0	0	0
Entered any bay	50					50										
Entered bay with active pinger	400					400										
Exited bay with active pinger	50					50										
Perfect docking	250	0	0	0	0	250	0	0	0	0	0	0	0	0	0	0
Docking sub-total		0	0	0	0	750	0	0	0	0	0	0	0	0	0	0
Entered obstacle field	100					100				100						
Circled can buoy	200					200				200						
Exited obstacle field	200					200				200						
Nb buoys hit/straggled	Nb					0				4						
Buoys Points	200	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0
Perfect Find The Path	400	0	0	0	0	400	0	0	0	0	0	0	0	0	0	0
Find The Path sub-total		0	0	0	0	1100	0	0	0	500	0	0	0	0	0	0
Launched UAV	200					0										
Raised any flag	50					0										
Raised the correct flag	250					0										
Recovered UAV	250					0										
Perfect Raise the Flag	750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Raise the flag sub-total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Make it back to the dock (after attempting all challenges)	Y/N	Y				Y				Y						
Bonus for completing all the tasks and returning to dock	0...400	100	0	0	0	300	0	0	0	200	0	0	0	0	0	0
Finish all tasks with T seconds left on the clock	seconds					1018										
Bonus time	0...1200	0	0	0	0	1018	0	0	0	0	0	0	0	0	0	0
Return to dock sub-total		100	0	0	0	1318	0	0	0	200	0	0	0	0	0	0
Total		782	183	213	129	4131	-299	223	276	982	0	221	223	137		
Rank		3	9	8	11	1	13	5	4	2	12	7	6	10		

Course C - Qualifications

	Max Pts	Embry-Riddle Aeronautical University (ERAU)	Florida State University / Gulf Coast State College (FSUGC)	Georgia Institute of Technology Aerospace (GIT)	Hagerty High School (HHS)	Institut Teknologi Sepuluh Nopember (ITSN)	Military Technical College (MTC)	Tecnológico de Monterrey (VTEC)	Universitas Diponegoro (UNDIP)	Universitas Indonesia (UI)	University of Colorado - Boulder (CUB)	University of Louisiana at Lafayette (ULL)	University of Michigan (UOFM)	University of Puerto Rico, Mayaguez (UPRM)
Dry weight	lbs	39	28	63	47	54	122	70	42	34	35	50	61	
Dry weight points	-250...+150	111	123	88	103	96	-311	80	108	116	115	100	89	0
Generated thrust	lbs	7	15	13	15	23	15	16	10	6	19	10	20	
Generated thrust points	0...2200	18	55	21	32	43	12	23	24	16	55	21	33	0
Autonomous Navigation	100	100		100		100		100	100	100	100			
Mandatory tasks sub-total		229	177	208	134	239	-298	203	232	232	270	120	122	0

Entered thru gates	50					50		50	50	50	50				
Circle blue buoy	100					100									
Exited thru gates	100					100									
Navigate through speed challenge	sec					40									
Speed gate points	0...250	0	0	0	0	209	0	0	0	0	0	0	0	0	0
Fastest Vehicle	250	0	0	0	0	250	0	0	0	0	0	0	0	0	0
Speed Challenge sub-total		0	0	0	0	709	0	50	50	50	50	0	0	0	0
Entered any bay	50					50									
Entered bay with active pinger	400														
Exited bay with active pinger	50														
Perfect docking	250	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Docking sub-total		0	0	0	0	50	0	0	0	0	0	0	0	0	0
Entered obstacle field	100					100		100		100					
Circled can buoy	200					200				200					
Exited obstacle field	200					200		200		200					
Nb buoys hit/straggled	Nb					2		1		4					
Buoys Points	200	0	0	0	0	100	0	150	0	0	0	0	0	0	0
Perfect Find The Path	400	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Find The Path sub-total		0	0	0	0	600	0	450	0	500	0	0	0	0	0
Launched UAV	200							200							
Raised any flag	50														
Raised the correct flag	250														
Recovered UAV	250														
Perfect Raise the Flag	750	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Raise the flag sub-total		0	0	0	0	0	0	200	0	0	0	0	0	0	0
Make it back to the dock (after attempting all challenges)	Y/N					Y									
Bonus for completing all the tasks and returning to dock	0...400	0	0	0	0	300	0	0	0	0	0	0	0	0	0
Finish all tasks with T seconds left on the clock	seconds					780									
Bonus time	0...1200	0	0	0	0	780	0	0	0	0	0	0	0	0	0
Return to dock sub-total		0	0	0	0	1080	0	0	0	0	0	0	0	0	0
Total		229	177	208	134	2678	-298	903	282	782	320	120	122	0	0
Rank		6	8	7	9	1	13	2	5	3	4	11	10	12	

Last Chance - Qualifications

		Course A					Course C							
	Max Pts	Embry-Riddle Aeronautical University (ERAU)	Florida State University / Gulf Coast State College (FSUGC)	Georgia Institute of Technology Aerospace (GIT)	Hagerty High School (HHS)	Institut Teknologi Sepuluh Nopember (ITSN)	Military Technical College (MTC)	Tecnológico de Monterrey (VTEC)	Universitas Diponegoro (UNDIP)	Universitas Indonesia (UI)	University of Colorado - Boulder (CUB)	University of Louisiana at Lafayette (ULL)	University of Michigan (UOFM)	University of Puerto Rico, Mayaguez (UPRM)
Dry weight	lbs		24	60	46	83		45		44	59	66		
Dry weight points	-250...+150	0	126	90	104	54	0	105	0	106	92	84	0	
Generated thrust	lbs		17	13	28	17		11		19	26	20		

Generated thrust points	0...2200	0	71	22	61	0	21	0	23	0	44	44	30	0
Autonomous Navigation	100			100	100		100				100			
Mandatory tasks sub-total		0	197	212	264	0	175	0	128	0	249	135	114	0
Entered thru gates	50			50	50									
Circle blue buoy	100				100									
Exited thru gates	100				50									
Navigate through speed challenge	sec				30									
Speed gate points	0...250	0	0	0	220	0	0	0	0	0	0	0	0	0
Fastest Vehicle	250	0	0	0	250	0	0	0	0	0	0	0	0	0
Speed Challenge sub-total		0	0	50	670	0	0	0	0	0	0	0	0	0
Entered any bay	50			50										
Entered bay with active pinger	400													
Exited bay with active pinger	50													
Perfect docking	250	0	0	0	0	0	0	0	0	0	0	0	0	0
Docking sub-total		0	0	50	0	0	0	0	0	0	0	0	0	0
Entered obstacle field	100													
Circled can buoy	200													
Exited obstacle field	200													
Nb buoys hit/straggled	Nb													
Buoys Points	200	0	0	0	0	0	0	0	0	0	0	0	0	0
Perfect Find The Path	400	0	0	0	0	0	0	0	0	0	0	0	0	0
Find The Path sub-total		0	0	0	0	0	0	0	0	0	0	0	0	0
Launched UAV	200													
Raised any flag	50													
Raised the correct flag	250													
Recovered UAV	250													
Perfect Raise the Flag	750	0	0	0	0	0	0	0	0	0	0	0	0	0
Raise the flag sub-total		0	0	0	0	0	0	0	0	0	0	0	0	0
Make it back to the dock (after attempting all challenges)	Y/N				Y									
Bonus for completing all the tasks and returning to dock	0...400	0	0	0	100	0	0	0	0	0	0	0	0	0
Finish all tasks with T seconds left on the clock	seconds													
Bonus time	0...1200	0	0	0	0	0	0	0	0	0	0	0	0	0
Return to dock sub-total		0	0	0	100	0	0	0	0	0	0	0	0	0
Total		0	197	312	1034	0	175	0	128	0	249	135	114	0
Rank		9	4	2	1	9	5	9	7	9	3	6	8	9

Finals scoresheet

Max Pts	Embry-Riddle Aeronautical University (ERAU)	Florida State University / Gulf Coast State College (FSUGC)	Georgia Institute of Technology Aerospace (GIT)	Hagerty High School (HHS)	Institut Teknologi Sepuluh Nopember (ITSN)	Military Technical College (MTC)	Tecnológico de Monterrey (VTEC)	Universitas Diponegoro (UNDIP)	Universitas Indonesia (UI)	University of Colorado - Boulder (CUB)	University of Louisiana at Lafayette (ULL)	University of Michigan (UOFM)	University of Puerto Rico, Mayaguez (UPRM)
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Dry weight	lbs	35			45	54		66		35				
<i>Dry weight points</i>	-250...+150	115	0	0	105	96	0	84	0	115	0	0	0	0
Generated thrust	lbs	11			28	23		16		9				
<i>Generated thrust points</i>	0...2200	31	0	0	62	43	0	24	0	26	0	0	0	0
Autonomous Navigation	100													
Mandatory tasks sub-total		146	0	0	167	139	0	108	0	140	0	0	0	0
Entered thru gates	50	50			50	50		50		50				
Circle blue buoy	100	100			100	100				100				
Exited thru gates	100	100			100	100				100				
Navigate through speed challenge	sec	34			23	28				56				
<i>Speed gate points</i>	0...250	216	0	0	226	221	0	0	0	194	0	0	0	0
<i>Fastest Vehicle</i>	250	0	0	0	250	0	0	0	0	0	0	0	0	0
Speed Challenge sub-total		466	0	0	726	471	0	50	0	444	0	0	0	0
Entered any bay	50					50								
Entered bay with active pinger	400													
Exited bay with active pinger	50													
<i>Perfect docking</i>	250	0	0	0	0	0	0	0	0	0	0	0	0	0
Docking sub-total		0	0	0	0	50	0	0	0	0	0	0	0	0
Entered obstacle field	100	100				100				100				
Circled can buoy	200	200				200								
Exited obstacle field	200	200				200				200				
Nb buoys hit/straggled	Nb	4				0				3				
<i>Buoys Points</i>	200	0	0	0	0	200	0	0	0	50	0	0	0	0
<i>Perfect Find The Path</i>	400	0	0	0	0	400	0	0	0	0	0	0	0	0
Find The Path sub-total		500	0	0	0	1100	0	0	0	350	0	0	0	0
Launched UAV	200	200				200		200						
Raised any flag	50													
Raised the correct flag	250													
Recovered UAV	250													
Perfect Raise the Flag	750	0	0	0	0	0	0	0	0	0	0	0	0	0
Raise the flag sub-total		200	0	0	0	200	0	200	0	0	0	0	0	0
Make it back to the dock (after attempting all challenges)	Y/N	Y			Y	Y	N	Y		Y				
Bonus for completing all the tasks and returning to dock	0...400	300	0	0	100	400	0	200	0	200	0	0	0	0
Finish all tasks with T seconds left on the clock	seconds					10								
<i>Bonus time</i>	0...1200	0	0	0	0	10	0	0	0	0	0	0	0	0
Return to dock sub-total		300	0	0	100	410	0	200	0	200	0	0	0	0
Total		1612	0	0	993	2370	0	558	0	1134	0	0	0	0
Rank		2	6	6	4	1	6	5	6	3	6	6	6	6

Final ranking	Max Pts	Embry-Riddle Aeronautical University (ERAU)	Florida State University / Gulf Coast State College (FSUGC)	Georgia Institute of Technology Aerospace (GIT)	Hagerty High School (HHS)	Institut Teknologi Sepuluh Nopember (ITSN)	Military Technical College (MTC)	Tecnológico de Monterrey (VTEC)	Universitas Diponegoro (UNDIP)	Universitas Indonesia (UI)	University of Colorado - Boulder (CUB)	University of Louisiana at Lafayette (ULL)	University of Michigan (UOFM)	University of Puerto Rico, Mayaguez (UPRM)
Best performance prelims		782	197	312	1034	4131	175	903	282	982	320	221	223	137
Performance finals		1612	0	0	993	2370	0	558	0	1134	0	0	0	0
Final score *		1001612	197	312	1000993	1002370	175	1000558	282	1001134	320	221	223	137
Ranking		2	11	7	4	1	12	5	8	3	6	10	9	13
* = we add 1,000,000 points to all teams who were selected for the finals		Embry-Riddle Aeronautical University (ERAU)	Florida State University / Gulf Coast State College (FSUGC)	Georgia Institute of Technology Aerospace (GIT)	Hagerty High School (HHS)	Institut Teknologi Sepuluh Nopember (ITSN)	Military Technical College (MTC)	Tecnológico de Monterrey (VTEC)	Universitas Diponegoro (UNDIP)	Universitas Indonesia (UI)	University of Colorado - Boulder (CUB)	University of Louisiana at Lafayette (ULL)	University of Michigan (UOFM)	University of Puerto Rico, Mayaguez (UPRM)