





# Formula Student 2003 Class 1 Acceleration Results



I MECH E

best overall 4.14

Position	car number	Team name	run1	DOC	OC	pen	run1	run2	DOC	OC	pen	run2	run3	DOC	OC	pen	run3	run4	DOC	OC	pen	run4	best time	score
1	2	University of Toronto	4.390			0	4.39	4.140			0	4.14	4.310			0	4.31	4.320			0	4.32	4.14	75.00
2	35	Chalmers University of Technology	4.480			0	4.48	4.340			0	4.34	4.390			0	4.39	4.330			0	4.33	4.33	64.04
3	33	Luleå University of Technology	4.340			0	4.34	8.490			0	8.49	5.560			0	5.56	4.530			0	4.53	4.34	63.49
4	9	University of Applied Sciences, Stralsund	4.550			0	4.55	4.480				4.48	4.430			0	4.43	4.470			0	4.47	4.43	58.65
5	237	University of Leeds	4.910			0	4.91	4.450			0	4.45	4.630			0	4.63	4.470			0	4.47	4.45	57.60
6	235	Bath University	4.510			0	4.51	4.530			0	4.53	4.700			0	4.7	4.470			0	4.47	4.47	56.56
7	17	University of Birmingham	4.790			0	4.79	4.540			0	4.54	4.650			0	4.65	4.750			0	4.75	4.54	52.99
8	206	Helsinki Polytechnic	4.670			0	4.67	4.550			0	4.55	4.630			0	4.63	4.810			0	4.81	4.55	52.49
9	13	Oxford Brookes University	4.950			0	4.95	4.580			0	4.58	5.940			0	5.94	5.280			0	5.28	4.58	51.00
10	44	Universidade Independente	5.290			0	5.29	5.220			0	5.22	4.890			0	4.89	4.680			0	4.68	4.68	46.17
11	11	University of Bath	6.500			0	6.5	4.940			0	4.94	4.720			0	4.72	4.690			0	4.69	4.69	45.70
12	45	Rensselaer Polytechnic Institute	5.460			0	5.46	4.690			0	4.69	5.580			0	5.58	5.270			0	5.27	4.69	45.70
13	14	University of Hertfordshire	5.000			0	5	4.760			0	4.76				0	DNF				0	DNF	4.76	42.46
14	4	Brunel University	5.060			0	5.06	5.080			0	5.08	4.870			0	4.87	5.880			0	5.88	4.87	37.55
15	5	University of Leeds	4.940			0	4.94	6.100			0	6.1	5.460			0	5.46	5.070			0	5.07	4.94	34.54
16	22	Lancaster University	5.460			0	5.46	5.300			0	5.3	5.070			0	5.07	4.940			0	4.94	4.94	34.54
17	12	University of Maribor	5.090			0	5.09	4.990			0	4.99	5.250			0	5.25	5.090			0	5.09	4.99	32.45
18	46	Università di Firenze	5.170			0	5.17	5.030			0	5.03	5.260			0	5.26	5.140			0	5.14	5.03	30.80
19	36	Aston University	5.180			0	5.18	5.400			0	5.4	5.430			0	5.43	5.260			0	5.26	5.18	24.84
20	215	University of Hertfordshire	5.340			0	5.34	5.400			0	5.4	7.000			0	7	5.180			0	5.18	5.18	24.84
21	32	Swansea Institute of Higher Education	5.370			0	5.37	5.210			0	5.21	5.830			0	5.83	5.340			0	5.34	5.21	23.69
22	56	University of Southampton	5.670			0	5.67	5.520			0	5.52	5.410			0	5.41	5.240			0	5.24	5.24	22.56
23	40	Imperial College of S, T & M	5.690			0	5.69	5.390			0	5.39	5.280			0	5.28	6.220			0	6.22	5.28	21.06
24	28	University College Dublin	9.870			0	9.87	7.670			0	7.67	6.500			0	6.5	5.390			0	5.39	5.39	17.06
25	43	Loughborough University	5.680			0	5.68	9.780			0	9.78				0	DNF				0	DNF	5.68	7.27
DNF	16	Delft University of Technology				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00
DNF	21	Coventry University				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00
DNF	23	Università degli Studi di Ferrara				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00
DNF	24	University of Huddersfield				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00
DNF	26	Bell College				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00
DNF	27	University of Warwick				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00
DNF	31	University of Strathclyde				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00
DNF	37	University of Ulster				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00
DNF	38	Sheffield Hallam University				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00
DNF	39	City University, London				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00
DNF	42	Ecole des Mines de Douai				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00
DNF	54	University of Delhi				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00
DNF	219	Coventry University				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00



# Formula Student 2003 Class 1 Skidpad/Figure 8 Results



best over 5.148  
max time 6.184

Position	Car number	Team name	run1	DOO	OC	pen	run1	run2	DOO	OC	pen	run2	run3	DOO	OC	pen	run3	run4	DOO	OC	pen	run4	best time	lat acc, g	score
1	11	University of Bath	5.148			0	5.148	5.359	1		0.25	5.609	5.158			0	5.158				0	DNF	5.148	1.30	50.00
2	235	Bath University	5.965			0	5.965	5.750			0	5.750	5.270			0	5.270	5.155			0	5.155	5.155	1.29	49.58
3	2	University of Toronto	5.193			0	5.193	5.258			0	5.258	5.202			0	5.202	5.235			0	5.235	5.193	1.28	47.33
4	9	University of Applied Sciences, Stralsund	5.352			0	5.352	5.402			0	5.402	5.293			0	5.293	5.242			0	5.242	5.242	1.25	44.50
5	13	Oxford Brookes University	5.639			0	5.639		1		0.25	DNF	5.454			0	5.454	5.28			0	5.28	5.28	1.23	42.36
6	5	University of Leeds	5.524			0	5.524	5.317			0	5.317	6.667			0	6.667				0	DNF	5.317	1.22	40.32
7	40	Imperial College of S, T & M	6.296	5		1.25	7.546	5.949	4		1	6.949	5.619			0	5.619	5.352			0	5.352	5.352	1.20	38.43
8	17	University of Birmingham	5.661			0	5.661	5.548			0	5.548	6.042			0	6.042	5.418			0	5.418	5.418	1.17	34.96
9	237	University of Leeds	5.537			0	5.537	5.687			0	5.687	5.559	2		0.5	6.059	5.477			0	5.477	5.477	1.15	31.97
10	206	Helsinki Polytechnic	5.863			0	5.863	5.481			0	5.481	5.533	5		1.25	6.783	6.253	2		0.5	6.753	5.481	1.15	31.77
11	46	Università di Firenze	6.004			0	6.004	5.593			0	5.593	6.176			0	6.176	5.557			0	5.557	5.557	1.11	28.06
12	215	University of Hertfordshire	5.820	1		0.25	6.070				0	DNF	6.178			0	6.178	5.566			0	5.566	5.566	1.11	27.63
13	28	University College Dublin	6.064			0	6.064	5.604			0	5.604				0	DNF				0	DNF	5.604	1.10	25.84
14	35	Chalmers University of Technology	5.901			0	5.901	5.767			0	5.767	5.648			0	5.648	5.644			0	5.644	5.644	1.08	24.00
15	45	Rensselaer Polytechnic Institute	5.842	14		3.5	9.342	5.434	3		0.75	6.184	6.312			0	6.312	5.815			0	5.815	5.815	1.02	16.54
16	22	Lancaster University	5.818			0	5.818	5.643	1		0.25	5.893	6.975			0	6.975	6.468			0	6.468	5.818	1.02	16.42
17	44	Universidade Independente				0	DNF	6.875			0	6.875	6.251			0	6.251	5.938			0	5.938	5.938	0.98	11.57
18	56	University of Southampton	6.133	1		0.25	6.383	6.049	1		0.25	6.299	5.980			0	5.980	5.943			0	5.943	5.943	0.97	11.37
19	33	Luleå University of Technology	6.351			0	6.351	5.973			0	5.973	6.627			0	6.627	6.662			0	6.662	5.973	0.96	10.21
20	12	University of Maribor	6.312	9		2.25	8.562	5.893	1		0.25	6.143	6.143			0	6.143	5.974			0	5.974	5.974	0.96	10.17
21	31	University of Strathclyde	6.734			0	6.734	6.487			0	6.487				0	DNF				0	DNF	6.487	0.82	2.50
22	32	Swansea Institute of Higher Education	8.696			0	8.696	8.011			0	8.011	7.800	1		0.25	8.050	6.983			0	6.983	6.983	0.71	2.50
23	43	Loughborough University	7.053	2		0.5	7.553	9.839			0	9.839	6.988			0	6.988				0	DNF	6.988	0.70	2.50
DNF	4	Brunel University				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00	0.00
DNF	14	University of Hertfordshire				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00	0.00
DNF	16	Delft University of Technology				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00	0.00
DNF	21	Coventry University				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00	0.00
DNF	23	Università degli Studi di Ferrara				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00	0.00
DNF	24	University of Huddersfield				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00	0.00
DNF	26	Bell College				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00	0.00
DNF	27	University of Warwick				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00	0.00
DNF	36	Aston University				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00	0.00
DNF	37	University of Ulster				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00	0.00
DNF	38	Sheffield Hallam University				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00	0.00
DNF	39	City University, London				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00	0.00
DNF	42	Ecole des Mines de Douai				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00	0.00
DNF	54	University of Delhi				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00	0.00
DNF	219	Coventry University				0	DNF				0	DNF				0	DNF				0	DNF	DNF	0.00	0.00



# Formula Student 2003 Class 1 Sprint/Autocross Results



IMECH E

min time 31.86  
max time 39.825

Position	car number	Team Name	run1	DOC	OC	pen	run1	run2	DOC	OC	pen	run2	run3	DOC	OC	pen	run3	run4	DOC	OC	pen	run4	best time	score
1	237	University of Leeds	36.38			5	10	46.38				35.56	34.49			0	34.49	31.86			0	31.86	31.86	150.00
2	2	University of Toronto	35.95				0	35.95				35.82	33.9			0	33.9	32.95			0	32.95	32.95	126.43
3	13	Oxford Brookes University	36.62				0	36.62				34.83	36.5			2	36.5	34			0	34	34.00	105.15
4	33	Luleå University of Technology	35.77				0	35.77				34.09	37.51			0	37.51	37.13			0	37.13	34.09	103.39
5	9	University of Applied Sciences, Stralsund	37.12			2	4	41.12				34.99	36.37			4	36.37	34.19			0	34.19	34.19	101.44
6	45	Rensselaer Polytechnic Institute	39.06				0	39.06				53.98	36.27			1	36.27	34.53			0	34.53	34.53	94.91
7	11	University of Bath	37.10				0	37.10				35.48	35.55			1	35.55	35.12			0	35.12	35.12	83.86
8	206	Helsinki Polytechnic	38.22			1	2	40.22				36.46	35.44			3	35.44	35.40			0	35.40	35.40	78.75
9	35	Chalmers University of Technology	40.03				0	40.03				38.85	36.15			2	36.15	35.73			1	35.73	36.15	65.45
10	235	Bath University	34.17			1	2	36.17				34.25	37.12			2	37.12	35.51			3	35.51	36.17	65.10
11	17	University of Birmingham	39.56				0	39.56				34.33	39.29			1	39.29	35.83			1	35.83	36.33	62.33
12	40	Imperial College of S, T & M	45.22			3	6	51.22				37.76	38.12			1	38.12	37.07			0	37.07	37.07	49.86
13	46	Università di Firenze	40.88				0	40.88				37.53	40.68			0	40.68	37.63			0	37.63	37.53	42.36
14	5	University of Leeds	36.17			1	2	38.17				35.33	42.66			2	42.66	40.01			0	40.01	38.17	32.21
15	12	University of Maribor	39.06				0	39.06				55.46	42.39			1	42.39	38.85			0	38.85	38.85	21.81
16	4	Brunel University	51.44			1	2	53.44				61.57	38.91			0	38.91	128.57			0	128.57	38.91	20.90
17	22	Lancaster University	43.07				0	43.07				39.12	42.16			0	42.16	39.02			0	39.02	39.02	19.26
18	215	University of Hertfordshire	42.87				0	42.87				39.90	41.2			0	41.2	39.09			0	39.09	39.09	18.22
19	43	Loughborough University	44.21				0	44.21				40.47	43.91			0	43.91	39.47			0	39.47	39.47	12.63
20	44	Universidade Independente	39.89			2	4	43.89				93.89	38.71			3	38.71	38.04			1	38.04	40.04	7.50
21	32	Swansea Institute of Higher Education	55.45				0	55.45				44.76	41.74			2	41.74	40.27			0	40.27	40.27	7.50
22	23	Università degli Studi di Ferrara	40.89				0	40.89				41.46	46.09			0	46.09	37.75			3	37.75	40.89	7.50
23	14	University of Hertfordshire	39.90			2	4	43.90				DNF				0	DNF				0	DNF	43.90	7.50
24	31	University of Strathclyde	no time				0	DNF				41.43	45.43			2	45.43				0	DNF	45.43	7.50
25	36	Aston University	46.64				0	46.64				DNF				0	DNF				0	DNF	46.64	7.50
26	56	University of Southampton	47.04				0	47.04				DNF				0	DNF				0	DNF	47.04	7.50
27	26	Bell College	52.34				0	52.34				DNF				0	DNF				0	DNF	52.34	7.50
28	28	University College Dublin	56.15			5	10	66.15				49.92	85.92			8	85.92	60.74			4	60.74	66.15	7.50
DNF	16	Delft University of Technology					0	DNF				DNF				0	DNF				0	DNF	DNF	0.00
DNF	21	Coventry University					0	DNF				DNF				0	DNF				0	DNF	DNF	0.00
DNF	24	University of Huddersfield					0	DNF				DNF				0	DNF				0	DNF	DNF	0.00
DNF	27	University of Warwick					0	DNF				DNF				0	DNF				0	DNF	DNF	0.00
DNF	37	University of Ulster					0	DNF				DNF				0	DNF				0	DNF	DNF	0.00
DNF	38	Sheffield Hallam University					0	DNF				DNF				0	DNF				0	DNF	DNF	0.00
DNF	39	City University, London					0	DNF				DNF				0	DNF				0	DNF	DNF	0.00
DNF	42	Ecole des Mines de Douai					0	DNF				DNF				0	DNF				0	DNF	DNF	0.00
DNF	54	University of Delhi					0	DNF				DNF				0	DNF				0	DNF	DNF	0.00
DNF	219	Coventry University					0	DNF				DNF				0	DNF				0	DNF	DNF	0.00



# Formula Student 2003

## Endurance & Fuel Economy Results



tmin, sec 1629.56 vmax, litre 5.755  
 tmax, sec 2172.2035 vmin, litre 3.048

Position	Car number	Team name	time sec	change time sec	track time sec	No. cones	No. off-course	flag penalties	change penalty	late start penalty	fuel penalties	total penalties	total time	endurance score	fuel used litres	fuel score	event total score
1	2	University of Toronto	1748.41	120.85	1627.56	1					0	2	1629.56	350.00	5.314	4.67	354.67
2	45	Rensselaer Polytechnic Institute	1980.47	172.79	1807.68	13	2				0	66	1873.68	193.54	5.081	7.47	201.00
3	206	Helsinki Polytechnic	1900.2	171.83	1728.37	7					240	254	1982.37	136.27	6.144	0.00	136.27
4	44	Universidade Independente	2175.74	228.51	1947.23	9				120	0	138	2085.23	87.58	4.237	20.17	107.75
5	28	University College Dublin	2202.07	142.55	2059.52	29				120	0	178	2237.52	50.00	3.048	50.00	100.00
6	36	Aston University	2155.57	182.62	1972.95	30	3	240		120	0	480	2452.95	50.00	4.306	18.94	68.94
7	14	University of Hertfordshire	2582.15	357.47	2224.68	25		180			0	230	2454.68	50.00	5.231	5.64	55.64
DNF	4	Brunel University	DNF									0		0.00		0.00	0.00
DNF	5	University of Leeds	DNF									0		0.00		0.00	0.00
DNF	9	University of Applied Sciences, Stralsund	DNF									0		0.00		0.00	0.00
DNF	11	University of Bath	DNF									0		0.00		0.00	0.00
DNF	12	University of Maribor	DNF									0		0.00		0.00	0.00
DNF	13	Oxford Brookes University	DNF									0		0.00		0.00	0.00
DNF	16	Delft University of Technology	DNF									0		0.00		0.00	0.00
DNF	17	University of Birmingham	DNF									0		0.00		0.00	0.00
DNF	21	Coventry University	DNF									0		0.00		0.00	0.00
DNF	22	Lancaster University	DNF									0		0.00		0.00	0.00
DNF	23	Università degli Studi di Ferrara	DNF									0		0.00		0.00	0.00
DNF	24	University of Huddersfield	DNF									0		0.00		0.00	0.00
DNF	26	Bell College	DNF									0		0.00		0.00	0.00
DNF	27	University of Warwick	DNF									0		0.00		0.00	0.00
DNF	31	University of Strathclyde	DNF									0		0.00		0.00	0.00
DNF	32	Swansea Institute of Higher Education	DNF									0		0.00		0.00	0.00
DNF	33	Luleå University of Technology	DNF									0		0.00		0.00	0.00
DNF	35	Chalmers University of Technology	DNF									0		0.00		0.00	0.00
DNF	37	University of Ulster	DNF									0		0.00		0.00	0.00
DNF	38	Sheffield Hallam University	DNF									0		0.00		0.00	0.00
DNF	39	City University, London	DNF									0		0.00		0.00	0.00
DNF	40	Imperial College of S, T & M	DNF									0		0.00		0.00	0.00
DNF	42	Ecole des Mines de Douai	DNF									0		0.00		0.00	0.00
DNF	43	Loughborough University	DNF									0		0.00		0.00	0.00
DNF	46	Università di Firenze	DNF									0		0.00		0.00	0.00
DNF	54	University of Delhi	DNF									0		0.00		0.00	0.00
DNF	56	University of Southampton	DNF									0		0.00		0.00	0.00
DNF	219	Coventry University	DNF									0		0.00		0.00	0.00
DNF	215	University of Hertfordshire	DNF									0		0.00		0.00	0.00
DNF	235	Bath University	DNF									0		0.00		0.00	0.00
DNF	237	University of Leeds	DNF									0		0.00		0.00	0.00



## Formula Student 2003 Overall Results (Classes 2 and 3)



CLASS 2	Position	University Name	Design	Cost	Presentation	Total
	1	University of Patras	400	232	268.8	900.8
	2	Technical University of Brunswick	333	176	300.0	809.0
	3	University of Witwatersrand	293	186	218.2	697.2
	4	Instituto Superior Tecnico	260	243	179.2	682.2
	5	University of Central Lancashire	336	209	101.3	646.3
	6	University College London	166	170	229.9	565.9
	7	Cardiff University	136	208	202.6	546.6
	8	Queen Mary University	53	164	113.0	330.0

CLASS 3	Position	University Name	Design	Cost	Presentation	Total
	1	University of Wales Swansea	384	266	230.2	880.2
	2	Bath University	400	229	216.3	845.3
	3	Graz University of Technology	384	224	237.2	845.2
	4	University of Applied Sciences, Graz	292	205	300.0	797.0
	5	Delft University of Technology	224	220	237.2	681.2
	6	University of Newcastle Upon Tyne	230	181	174.4	585.4
	7	Universita di Padova	200	179	118.6	497.6
	8	University of Sunderland	104	154	153.5	411.5