

ABET Outcome	EBI Survey Question		99-00	00-01	01-02	02-03
	<i>To what degree did your engineering education enhance your</i>					
A) an ability to apply knowledge of mathematics, science, and engineering	47	apply your knowledge of mathematics	N/A	N/A	6.40	6.00
	48	apply your knowledge of science	N/A	N/A	6.03	5.77
	49	apply your knowledge of engineering	N/A	N/A	5.97	5.48
B) an ability to design and conduct experiments, as well as to analyze and interpret data	50	design experiments	5.23	5.34	5.23	4.80
	51	conduct experiments	5.76	5.82	5.87	5.30
	52	analyze and interpret data	6.07	6.41	6.27	6.11
C) an ability to design a system, component, or process to meet desired needs	53	design a system, component, or process to meet desired needs	5.51	5.39	5.40	5.18
D) an ability to function on multi-disciplinary teams	40	satisfaction with characteristics of your fellow students ability to work in teams	5.79	5.75	5.73	5.80
	54	Function in multidisciplinary teams	5.31	5.14	5.17	5.05
E) an ability to identify, formulate, and solve engineering problems	57	solve engineering problems	6.02	6.36	6.33	5.86
	56	Identify engineering problems	N/A	N/A	5.77	5.55
	55	formulate engineering problems	N/A	N/A	5.47	5.25
F) an understanding of professional and ethical responsibility	58	understand ethical responsibility	4.3	4.55	4.47	3.89
G) an ability to communicate effectively	60	communicate using oral progress reports	5.02	5.02	5.03	4.44
	61	communicate using written progress reports	5.67	5.95	5.9	5.23
	70	use text materials to support project design	5.45	5.45	5.5	5.09
H) the broad education necessary to understand the impact of engineering solutions in a global and societal context	71	understand the impact of engineering solutions in a global/societal context	4.22	4.64	3.87	3.93
I) a recognition of the need for, and an ability to engage in life-long learning	62	recognize need to engage in life long learning	5.20	5.81	5.27	5.09
J) a knowledge of contemporary issues	63	understand contemporary issues	N/A	N/A	4.67	4.39
K) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.	64	use modern engineering tools	5.32	5.39	5.37	4.35

average

5.35

5.50

5.49

5.13

03-04	04-05	05-06	06-07	07-08	08-09	09-10	99 - '10 average
6.22	6.21	6.28	6.17	6.37	6.00	5.85	6.17
6.22	6.10	6.20	6.08	6.34	6.04	5.69	6.05
6.14	6.03	6.03	6.15	6.18	6.21	6.12	6.03
5.49	5.59	5.52	5.47	5.55	5.29	5	5.32
5.98	6.06	6.06	5.80	5.89	5.92	5.77	5.84
6.35	6.29	6.23	6.26	6.05	6.19	6.28	6.23
5.60	5.76	5.52	5.71	5.97	5.65	5.38	5.55
5.71	5.62	5.57	5.73	5.55	5.31	5.35	5.63
5.55	5.42	5.54	5.70	5.18	5.48	5.46	5.36
6.20	6.25	6.06	6.06	6.13	6.27	6.12	6.15
6.00	6.04	6.05	5.73	5.84	5.69	5.73	5.82
5.86	5.74	5.82	5.52	5.70	5.56	5.46	5.60
4.76	4.43	4.98	5.05	5.21	4.77	5	4.67
5.30	4.99	5.34	4.97	5.19	4.98	5.12	5.04
5.76	5.97	5.89	5.83	5.81	5.98	5.69	5.79
5.45	5.54	5.70	5.33	5.44	5.62	5.17	5.43
4.88	4.61	4.80	4.89	4.97	5.19	4.81	4.62
5.73	5.66	5.78	5.70	5.73	5.67	5.85	5.59
5.12	4.75	5.23	5.35	5.35	5.23	5.08	5.02
5.39	5.54	5.48	5.44	6.00	5.74	5.46	5.41

2010-11
6.21
6.09
6.30
5.55
5.84
6.29
5.72
5.66
5.29
5.96
5.45
5.70
4.74
5.01
5.80
5.57
4.89
5.87
5.03
5.59

change from average	change from last year
0.04	0.36
0.04	0.40
0.27	0.18
0.23	0.55
0.00	0.07
0.06	0.01
0.17	0.34
0.03	0.31
-0.07	-0.17
-0.19	-0.16
-0.37	-0.28
0.10	0.24
0.07	-0.26
-0.03	-0.11
0.01	0.11
0.14	0.40
0.27	0.08
0.28	0.02
0.01	-0.05
0.18	0.13

5.69    5.63    5.70    5.65    5.72    5.64    5.52    5.57

5.63

0.06    0.11