

## SURVEY RESPONSES, AS RECORDED 2001

QUESTIONS	RANKING			
	CEMM 397		CE ALUMNI	
	MEAN	STANDARD DEVIATION	MEAN	STANDARD DEVIATION
Ability to apply knowledge of basic mathematics, science, and engineering	1.6	0.6	1.97	0.651
Ability to design and conduct experiments, as well as to analyze and interpret data	1.8	0.73	2.18	0.833
Ability to design a civil engineering system to meet desired needs	2.1	0.66	2.5	0.888
Ability to formulate and solve civil engineering problems	2	0.71	2.28	0.889
Ability to apply probability and economics to civil engineering decisions	2.6	0.86	2.94	0.998
Ability to function on multi-disciplinary teams	2	0.79	2.44	1.08
Ability to communicate effectively (written)	1.9	0.85	2.79	1.05
Ability to communicate effectively (verbal)	2.1	0.97	2.82	0.984
Ability to use computers to solve civil engineering problems	2.4	1.1	2.63	1.13
Ability to use techniques, skills and modern tools necessary for civil engineering	2.3	0.56	2.46	0.901
Application and knowledge of current civil engineering issues	2.2	0.94	2.44	0.99
Recognition of the need to engage in life-long learning	1.9	0.73	3.1	1.06
Understanding of professional and ethical responsibility	2.1	0.93	2.62	1.14
Understanding of impact of civil engineering solutions in a global/societal co	2.1	0.75	2.91	1.17
<b>Overall</b>	<b>2.1</b>	<b>0.73</b>	<b>2.6</b>	<b>0.98</b>

### KEY-RANKING

1. Extremely Well Prepared
2. Well Prepared
3. Acceptably Prepared
4. Needs Improvement
5. Needs Considerable Improvement