

ECAR Study of Students and Technology, 2016

De Anza College Benchmarking Report

1.1. Age	De Anza College	AA institutions	All U.S. institutions
18–24	57	6032	44303
	68.7%	49.6%	76.3%
25 or older	26	6125	13743
	31.3%	50.4%	23.7%
Total respondent count (Percentages sum to 100%)	83	12157	58046
	100.0%	100.0%	100.0%

1.2. Class standing	De Anza College	AA institutions	All U.S. institutions
Freshman or first-year student	22	3638	14189
	26.5%	29.9%	24.4%
Sophomore or second-year student	27	4112	13266
	32.5%	33.8%	22.9%
Junior or third-year student	15	1724	13675
	18.1%	14.2%	23.6%
Senior or fourth-year student	5	894	11473
	6.0%	7.4%	19.8%
Fifth-year student or beyond	3	489	3177
	3.6%	4.0%	5.5%
Other type of undergraduate student	11	1300	2266
	13.3%	10.7%	3.9%
Total respondent count (Percentages sum to 100%)	83	12157	58046
	100.0%	100.0%	100.0%

2.1. Number of internet-capable devices owned	De Anza College	AA institutions	All U.S. institutions
None	0	86	428
	0.0%	0.7%	0.7%
One	3	744	2254
	3.6%	6.1%	3.9%
Two	23	3219	17733
	27.7%	26.5%	30.6%
Three	29	3646	18939
	34.9%	30.0%	32.7%
Four	10	1899	9291
	12.0%	15.6%	16.0%
Five	8	914	3760
	9.6%	7.5%	6.5%
Six or more	10	1638	5555
	12.0%	13.5%	9.6%
Total respondent count (Percentages sum to 100%)	83	12146	57960
	100.0%	100.0%	100.0%

2.2a. Own: Laptop	De Anza College	AA institutions	All U.S. institutions
No, don't plan to purchase	4	579	1704
	4.8%	4.8%	3.0%
No, plan to purchase	3	467	1226
	3.6%	3.9%	2.1%
Yes, currently own	76	10985	54714
	91.6%	91.3%	94.9%
Total respondent count (Percentages sum to 100%)	83	12031	57644
	100.0%	100.0%	100.0%

2.2a. Own: Tablet	De Anza College	AA institutions	All U.S. institutions
No, don't plan to purchase	28	3463	20200

2.2a. Own: Tablet	De Anza College	AA institutions	All U.S. institutions
	36.8%	32.3%	39.1%
No, plan to purchase	6	581	2506
	7.9%	5.4%	4.9%
Yes, currently own	42	6676	28921
	55.3%	62.3%	56.0%
Total respondent count (Percentages sum to 100%)	76	10720	51627
	100.0%	100.0%	100.0%

2.2a. Own: Smartphone	De Anza College	AA institutions	All U.S. institutions
No, don't plan to purchase	1	385	1383
	1.2%	3.2%	2.4%
No, plan to purchase	2	159	524
	2.4%	1.3%	0.9%
Yes, currently own	80	11356	55404
	96.4%	95.4%	96.7%
Total respondent count (Percentages sum to 100%)	83	11900	57311
	100.0%	100.0%	100.0%

2.2a. Own: Wearable technology	De Anza College	AA institutions	All U.S. institutions
No, don't plan to purchase	37	5541	29358
	53.6%	57.1%	61.5%
No, plan to purchase	8	1074	4802
	11.6%	11.1%	10.1%
Yes, currently own	24	3084	13551
	34.8%	31.8%	28.4%
Total respondent count (Percentages sum to 100%)	69	9699	47711
	100.0%	100.0%	100.0%

2.2a. Own: Gaming devices	De Anza College	AA institutions	All U.S. institutions
No, don't plan to purchase	29	3627	22656
	39.2%	34.6%	44.8%
No, plan to purchase	4	269	1336
	5.4%	2.6%	2.6%
Yes, currently own	41	6600	26587
	55.4%	62.9%	52.6%
Total respondent count (Percentages sum to 100%)	74	10496	50579
	100.0%	100.0%	100.0%

2.2a. Own: Streaming media devices	De Anza College	AA institutions	All U.S. institutions
No, don't plan to purchase	38	5389	29933
	52.8%	53.7%	61.5%
No, plan to purchase	4	560	2557
	5.6%	5.6%	5.3%
Yes, currently own	30	4078	16176
	41.7%	40.7%	33.2%
Total respondent count (Percentages sum to 100%)	72	10027	48666
	100.0%	100.0%	100.0%

2.2b. Laptop OS	De Anza College	AA institutions	All U.S. institutions
Windows	47	8131	33136
	62.7%	74.2%	60.7%
Mac or OS X	26	2157	19004
	34.7%	19.7%	34.8%
Chrome OS	1	410	1505
	1.3%	3.7%	2.8%
Linux	1	67	421
	1.3%	0.6%	0.8%
Other OS	0	54	152
	0.0%	0.5%	0.3%
Don't know	0	143	400
	0.0%	1.3%	0.7%
Total respondent count (Percentages sum to 100%)	75	10962	54618
	100.0%	100.0%	100.0%

2.2b.1 Laptop touch screen	De Anza College	AA institutions	All U.S. institutions
No	53	7750	40042
	69.7%	70.7%	73.3%
Yes	23	3212	14568
	30.3%	29.3%	26.7%
Total respondent count (Percentages sum to 100%)	76	10962	54610
	100.0%	100.0%	100.0%

2.2c. Tablet OS	De Anza College	AA institutions	All U.S. institutions
iOS (iPad)	27	2703	14144
	65.9%	40.5%	49.0%
Windows OS	8	1015	4306
	19.5%	15.2%	14.9%
Android OS	5	2054	7056
	12.2%	30.8%	24.4%
Fire OS	0	463	1847
	0.0%	6.9%	6.4%
BlackBerry OS	0	5	20
	0.0%	0.1%	0.1%
Other OS	0	80	335
	0.0%	1.2%	1.2%
Don't know	1	348	1169
	2.4%	5.2%	4.0%
Total respondent count (Percentages sum to 100%)	41	6668	28877
	100.0%	100.0%	100.0%

2.2c.1 Tablet keyboard or docking station	De Anza College	AA institutions	All U.S. institutions
No	25	4662	19589
	59.5%	70.0%	67.9%
Yes	17	1996	9255
	40.5%	30.0%	32.1%
Total respondent count (Percentages sum to 100%)	42	6658	28844
	100.0%	100.0%	100.0%

2.2d. Smartphone type	De Anza College	AA institutions	All U.S. institutions
iPhone	43	5305	33012
	53.8%	46.8%	59.6%
Android phone	35	5575	20938
	43.8%	49.1%	37.8%
Windows phone	1	153	600
	1.3%	1.3%	1.1%
BlackBerry phone	1	15	58
	1.3%	0.1%	0.1%
Other smartphone	0	254	635
	0.0%	2.2%	1.1%
Don't know	0	41	101
	0.0%	0.4%	0.2%
Total respondent count (Percentages sum to 100%)	80	11343	55344
	100.0%	100.0%	100.0%

2.2e. Wearable type(s)	De Anza College	AA institutions	All U.S. institutions
Fitness device	10	1978	8461
	41.7%	64.6%	62.9%
Smart watch	5	643	3030
	20.8%	21.0%	22.5%
Headset	12	893	3884
	50.0%	29.1%	28.9%
Other, please specify	2	113	382
	8.3%	3.7%	2.8%
Total respondent count	24	3064	13460

2.3. Device usage: Laptop	De Anza College	AA institutions	All U.S. institutions
Did not use at all	8	834	2120
	9.6%	6.9%	3.7%

2.3. Device usage: Laptop	De Anza College	AA institutions	All U.S. institutions
Used for at least one course	8	660	2004
	9.6%	5.5%	3.5%
Used for about half of my courses	5	845	3217
	6.0%	7.0%	5.6%
Used for most of my courses	15	2167	11679
	18.1%	18.0%	20.2%
Used for all my courses	47	7555	38723
	56.6%	62.6%	67.1%
Total respondent count (Percentages sum to 100%)	83	12061	57743
	100.0%	100.0%	100.0%

2.3. Device usage: Tablet	De Anza College	AA institutions	All U.S. institutions
Did not use at all	42	6652	32353
	54.5%	61.0%	60.8%
Used for at least one course	11	1518	7518
	14.3%	13.9%	14.1%
Used for about half of my courses	9	915	4541
	11.7%	8.4%	8.5%
Used for most of my courses	7	805	4028
	9.1%	7.4%	7.6%
Used for all my courses	8	1018	4762
	10.4%	9.3%	9.0%
Total respondent count (Percentages sum to 100%)	77	10908	53202
	100.0%	100.0%	100.0%

2.3. Device usage: Smartphone	De Anza College	AA institutions	All U.S. institutions
Did not use at all	11	3079	10729
	13.6%	26.3%	18.9%
Used for at least one course	22	2770	13472
	27.2%	23.7%	23.7%
Used for about half of my courses	14	1784	10373
	17.3%	15.3%	18.3%
Used for most of my courses	9	1574	9507
	11.1%	13.5%	16.7%
Used for all my courses	25	2481	12689
	30.9%	21.2%	22.4%
Total respondent count (Percentages sum to 100%)	81	11688	56770
	100.0%	100.0%	100.0%

2.3. Device usage: Wearable technology	De Anza College	AA institutions	All U.S. institutions
Did not use at all	74	9810	48647
	94.9%	92.7%	93.2%
Used for at least one course	1	411	1807
	1.3%	3.9%	3.5%
Used for about half of my courses	2	116	633
	2.6%	1.1%	1.2%
Used for most of my courses	1	95	427
	1.3%	0.9%	0.8%
Used for all my courses	0	156	692
	0.0%	1.5%	1.3%
Total respondent count (Percentages sum to 100%)	78	10588	52206
	100.0%	100.0%	100.0%

2.4. Academic success: Laptop	De Anza College	AA institutions	All U.S. institutions
Not at all important	2	46	164
	2.7%	0.4%	0.3%
Not very important	0	171	634
	0.0%	1.6%	1.2%
Moderately important	4	719	2865
	5.4%	6.6%	5.3%
Very important	14	1934	8961
	18.9%	17.8%	16.5%
Extremely important	54	7975	41611

2.4. Academic success: Laptop	De Anza College	AA institutions	All U.S. institutions
	73.0%	73.5%	76.7%
Total respondent count (Percentages sum to 100%)	74	10845	54235
	100.0%	100.0%	100.0%

2.4. Academic success: Tablet	De Anza College	AA institutions	All U.S. institutions
Not at all important	2 5.7%	229 5.4%	1235 6.0%
Not very important	11 31.4%	901 21.4%	4833 23.4%
Moderately important	6 17.1%	1319 31.3%	6522 31.5%
Very important	7 20.0%	835 19.8%	3796 18.4%
Extremely important	9 25.7%	925 22.0%	4292 20.8%
Total respondent count (Percentages sum to 100%)	35	4209	20678
	100.0%	100.0%	100.0%

2.4. Academic success: Smartphone	De Anza College	AA institutions	All U.S. institutions
Not at all important	3 4.3%	266 3.1%	1487 3.3%
Not very important	9 13.0%	1527 18.1%	8750 19.2%
Moderately important	21 30.4%	2744 32.4%	14876 32.6%
Very important	17 24.6%	1763 20.8%	9576 21.0%
Extremely important	19 27.5%	2158 25.5%	10925 24.0%
Total respondent count (Percentages sum to 100%)	69	8458	45614
	100.0%	100.0%	100.0%

2.4. Academic success: Wearable technology	De Anza College	AA institutions	All U.S. institutions
Not at all important	0 0.0%	133 17.3%	641 18.3%
Not very important	2 50.0%	254 33.1%	1214 34.6%
Moderately important	2 50.0%	196 25.5%	864 24.6%
Very important	0 0.0%	83 10.8%	354 10.1%
Extremely important	0 0.0%	102 13.3%	439 12.5%
Total respondent count (Percentages sum to 100%)	4	768	3512
	100.0%	100.0%	100.0%

2.5. Handheld importance: Administrative	De Anza College	AA institutions	All U.S. institutions
Not at all important	4 5.0%	1018 8.8%	4130 7.4%
Not very important	7 8.8%	1677 14.5%	8782 15.6%
Moderately important	16 20.0%	2824 24.3%	13629 24.3%
Very important	20 25.0%	2702 23.3%	12516 22.3%
Extremely important	33 41.3%	3384 29.2%	17121 30.5%
Total respondent count (Percentages sum to 100%)	80	11605	56178
	100.0%	100.0%	100.0%

2.5. Handheld importance: Academic	De Anza College	AA institutions	All U.S. institutions
Not at all important	2 2.5%	578 5.0%	1825 3.2%

2.5. Handheld importance: Academic	De Anza College	AA institutions	All U.S. institutions
Not very important	2	925	3711
	2.5%	8.0%	6.6%
Moderately important	15	2613	11786
	18.8%	22.5%	21.0%
Very important	24	3191	15875
	30.0%	27.5%	28.3%
Extremely important	37	4305	22981
	46.3%	37.1%	40.9%
Total respondent count (Percentages sum to 100%)	80	11612	56178
	100.0%	100.0%	100.0%

3.1. Overall technology experience	De Anza College	AA institutions	All U.S. institutions
Poor	2	217	1241
	2.4%	1.8%	2.1%
Fair	10	658	3682
	12.0%	5.4%	6.4%
Neutral	16	1405	7490
	19.3%	11.6%	12.9%
Good	36	5911	30701
	43.4%	48.7%	53.0%
Excellent	18	3797	14396
	21.7%	31.3%	24.9%
Don't know	1	152	411
	1.2%	1.3%	0.7%
Total respondent count (Percentages sum to 100%)	83	12140	57921
	100.0%	100.0%	100.0%

3.2. Wireless experience: Reliable access to Wi-Fi in student housing/dormitories	De Anza College	AA institutions	All U.S. institutions
Poor	2	419	5391
	2.4%	3.5%	9.3%
Fair	4	451	5975
	4.8%	3.7%	10.4%
Neutral	7	1086	6869
	8.4%	9.0%	11.9%
Good	15	1632	11480
	18.1%	13.6%	19.9%
Excellent	10	1357	6083
	12.0%	11.3%	10.5%
N/A	45	7092	21881
	54.2%	58.9%	37.9%
Total respondent count (Percentages sum to 100%)	83	12037	57679
	100.0%	100.0%	100.0%

3.2. Wireless experience: Reliable access to Wi-Fi in campus libraries	De Anza College	AA institutions	All U.S. institutions
Poor	5	428	2423
	6.0%	3.5%	4.2%
Fair	7	728	4626
	8.4%	6.0%	8.0%
Neutral	12	1103	5907
	14.5%	9.1%	10.2%
Good	28	3708	21143
	33.7%	30.7%	36.6%
Excellent	21	3905	17657
	25.3%	32.4%	30.6%
N/A	10	2199	5968
	12.0%	18.2%	10.3%
Total respondent count (Percentages sum to 100%)	83	12071	57724
	100.0%	100.0%	100.0%

3.2. Wireless experience: Reliable access to Wi-Fi in classroom/instructional spaces	De Anza College	AA institutions	All U.S. institutions
Poor	11	873	3818

3.2. Wireless experience: Reliable access to Wi-Fi in classroom/instructional spaces	De Anza College	AA institutions	All U.S. institutions
	13.3%	7.2%	6.6%
Fair	7	1147	7171
	8.4%	9.5%	12.4%
Neutral	12	1329	7830
	14.5%	11.0%	13.6%
Good	35	3994	22281
	42.2%	33.1%	38.6%
Excellent	13	3359	13358
	15.7%	27.8%	23.1%
N/A	5	1372	3257
	6.0%	11.4%	5.6%
Total respondent count (Percentages sum to 100%)	83	12074	57715
	100.0%	100.0%	100.0%

3.2. Wireless experience: Ease of login to Wi-Fi network	De Anza College	AA institutions	All U.S. institutions
Poor	6	735	3964
	7.2%	6.1%	6.9%
Fair	5	1021	6794
	6.0%	8.5%	11.8%
Neutral	11	1393	8160
	13.3%	11.5%	14.1%
Good	36	3927	21078
	43.4%	32.5%	36.5%
Excellent	20	3779	14857
	24.1%	31.3%	25.7%
N/A	5	1215	2849
	6.0%	10.1%	4.9%
Total respondent count (Percentages sum to 100%)	83	12070	57702
	100.0%	100.0%	100.0%

3.2. Wireless experience: Network performance	De Anza College	AA institutions	All U.S. institutions
Poor	9	849	5734
	10.8%	7.0%	9.9%
Fair	14	1331	9070
	16.9%	11.0%	15.7%
Neutral	19	1657	9794
	22.9%	13.7%	17.0%
Good	24	4239	20448
	28.9%	35.1%	35.4%
Excellent	13	2884	10003
	15.7%	23.9%	17.3%
N/A	4	1126	2683
	4.8%	9.3%	4.6%
Total respondent count (Percentages sum to 100%)	83	12086	57732
	100.0%	100.0%	100.0%

3.3. Simultaneously connected devices	De Anza College	AA institutions	All U.S. institutions
I don't visit campus.	2	1049	2649
	2.4%	8.6%	4.6%
None	3	681	1188
	3.6%	5.6%	2.1%
One	33	5201	14244
	39.8%	42.9%	24.6%
Two	41	4584	33033
	49.4%	37.8%	57.0%
Three	3	402	5199
	3.6%	3.3%	9.0%
Four	0	61	801
	0.0%	0.5%	1.4%
Five	0	18	208
	0.0%	0.1%	0.4%
Six or more	0	55	366

3.3. Simultaneously connected devices	De Anza College	AA institutions	All U.S. institutions
	0.0%	0.5%	0.6%
Don't know	1	83	218
	1.2%	0.7%	0.4%
Total respondent count (Percentages sum to 100%)	83	12134	57906
	100.0%	100.0%	100.0%

3.4. Time spent online: Online research/homework	De Anza College	AA institutions	All U.S. institutions
None	2	106	256
	2.4%	0.9%	0.4%
Less than 1 hour	11	999	3413
	13.3%	8.3%	5.9%
1-2 hours	29	4438	19254
	34.9%	36.7%	33.3%
3-4 hours	30	4464	23649
	36.1%	36.9%	40.9%
5-8 hours	10	1577	8534
	12.0%	13.0%	14.8%
More than 8 hours	1	522	2660
	1.2%	4.3%	4.6%
Total respondent count (Percentages sum to 100%)	83	12106	57766
	100.0%	100.0%	100.0%

3.4. Time spent online: Social media	De Anza College	AA institutions	All U.S. institutions
None	8	1254	3984
	9.6%	10.4%	6.9%
Less than 1 hour	29	3957	15630
	34.9%	32.9%	27.1%
1-2 hours	22	4198	21641
	26.5%	34.9%	37.6%
3-4 hours	13	1866	11633
	15.7%	15.5%	20.2%
5-8 hours	7	541	3403
	8.4%	4.5%	5.9%
More than 8 hours	4	219	1321
	4.8%	1.8%	2.3%
Total respondent count (Percentages sum to 100%)	83	12035	57612
	100.0%	100.0%	100.0%

3.4. Time spent online: Streaming video	De Anza College	AA institutions	All U.S. institutions
None	15	2737	8807
	18.3%	23.0%	15.4%
Less than 1 hour	20	4022	17713
	24.4%	33.7%	30.9%
1-2 hours	25	3035	17610
	30.5%	25.5%	30.7%
3-4 hours	16	1497	9563
	19.5%	12.6%	16.7%
5-8 hours	5	456	2723
	6.1%	3.8%	4.7%
More than 8 hours	1	178	913
	1.2%	1.5%	1.6%
Total respondent count (Percentages sum to 100%)	82	11925	57329
	100.0%	100.0%	100.0%

3.4. Time spent online: Online gaming	De Anza College	AA institutions	All U.S. institutions
None	44	7437	36653
	53.7%	62.5%	64.1%
Less than 1 hour	15	2100	9661
	18.3%	17.6%	16.9%
1-2 hours	15	1382	6403
	18.3%	11.6%	11.2%
3-4 hours	5	661	3099
	6.1%	5.6%	5.4%

3.4. Time spent online: Online gaming	De Anza College	AA institutions	All U.S. institutions
5–8 hours	1	210	888
	1.2%	1.8%	1.6%
More than 8 hours	2	114	442
	2.4%	1.0%	0.8%
Total respondent count (Percentages sum to 100%)	82	11904	57146
	100.0%	100.0%	100.0%

3.4. Time spent online: Other online activity	De Anza College	AA institutions	All U.S. institutions
None	5	2086	9824
	6.1%	17.6%	17.3%
Less than 1 hour	28	4293	18774
	34.1%	36.1%	33.0%
1–2 hours	31	3682	18493
	37.8%	31.0%	32.5%
3–4 hours	12	1224	6793
	14.6%	10.3%	12.0%
5–8 hours	3	388	1948
	3.7%	3.3%	3.4%
More than 8 hours	3	211	1003
	3.7%	1.8%	1.8%
Total respondent count (Percentages sum to 100%)	82	11884	56835
	100.0%	100.0%	100.0%

3.5. Notification usefulness: Guidance about courses you might consider taking	De Anza College	AA institutions	All U.S. institutions
Service not provided	21	2381	14466
	25.3%	19.7%	25.1%
Don't know	18	2696	10384
	21.7%	22.3%	18.0%
Not at all useful	5	402	2139
	6.0%	3.3%	3.7%
Not very useful	2	719	4104
	2.4%	6.0%	7.1%
Moderately useful	17	2854	13684
	20.5%	23.6%	23.7%
Very useful	14	2010	8608
	16.9%	16.6%	14.9%
Extremely useful	6	1021	4248
	7.2%	8.4%	7.4%
Total respondent count (Percentages sum to 100%)	83	12083	57633
	100.0%	100.0%	100.0%

3.5. Notification usefulness: Alerts if it appears your progress in a course is declining	De Anza College	AA institutions	All U.S. institutions
Service not provided	20	2270	14992
	24.1%	18.8%	26.0%
Don't know	18	3122	12643
	21.7%	25.8%	21.9%
Not at all useful	3	277	1705
	3.6%	2.3%	3.0%
Not very useful	3	475	3060
	3.6%	3.9%	5.3%
Moderately useful	13	2249	10703
	15.7%	18.6%	18.6%
Very useful	18	2364	9441
	21.7%	19.6%	16.4%
Extremely useful	8	1326	5092
	9.6%	11.0%	8.8%
Total respondent count (Percentages sum to 100%)	83	12083	57636
	100.0%	100.0%	100.0%

3.5. Notification usefulness: Suggestions for how to improve performance	De Anza College	AA institutions	All U.S. institutions
Service not provided	22	2095	13445

3.5. Notification usefulness: Suggestions for how to improve performance	De Anza College	AA institutions	All U.S. institutions
	26.5%	17.3%	23.3%
Don't know	22	3160	12967
	26.5%	26.2%	22.5%
Not at all useful	2	311	1797
	2.4%	2.6%	3.1%
Not very useful	3	612	3720
	3.6%	5.1%	6.5%
Moderately useful	18	2753	13215
	21.7%	22.8%	22.9%
Very useful	12	2141	8343
	14.5%	17.7%	14.5%
Extremely useful	4	1008	4120
	4.8%	8.3%	7.2%
Total respondent count (Percentages sum to 100%)	83	12080	57607
	100.0%	100.0%	100.0%

3.5. Notification usefulness: Suggestions about new or different academic resources	De Anza College	AA institutions	All U.S. institutions
Service not provided	10	1183	7070
	12.0%	9.8%	12.3%
Don't know	21	2585	11007
	25.3%	21.4%	19.1%
Not at all useful	4	365	2042
	4.8%	3.0%	3.5%
Not very useful	7	856	5146
	8.4%	7.1%	8.9%
Moderately useful	18	3795	19049
	21.7%	31.4%	33.1%
Very useful	17	2302	9326
	20.5%	19.0%	16.2%
Extremely useful	6	1002	3988
	7.2%	8.3%	6.9%
Total respondent count (Percentages sum to 100%)	83	12088	57628
	100.0%	100.0%	100.0%

3.6. How many instructors ...have adequate technical skills for course instruction	De Anza College	AA institutions	All U.S. institutions
None	4	259	962
	4.8%	2.1%	1.7%
Very few	7	788	4645
	8.4%	6.5%	8.1%
Some	22	2189	13376
	26.5%	18.1%	23.2%
Most	30	3525	19959
	36.1%	29.2%	34.6%
Almost all	14	2631	11393
	16.9%	21.8%	19.8%
All	6	2688	7290
	7.2%	22.3%	12.7%
Total respondent count (Percentages sum to 100%)	83	12080	57625
	100.0%	100.0%	100.0%

3.6. How many instructors ...use technology during class to maintain your attention	De Anza College	AA institutions	All U.S. institutions
None	12	1362	5241
	14.5%	11.3%	9.1%
Very few	16	1463	9613
	19.3%	12.1%	16.7%
Some	21	2816	16149
	25.3%	23.4%	28.0%
Most	23	2481	12797
	27.7%	20.6%	22.2%
Almost all	7	1957	8427

3.6. How many instructors ...use technology during class to maintain your attention	De Anza College	AA institutions	All U.S. institutions
	8.4%	16.2%	14.6%
All	4	1979	5375
	4.8%	16.4%	9.3%
Total respondent count (Percentages sum to 100%)	83	12058	57602
	100.0%	100.0%	100.0%

3.6. How many instructors ...use technology during class to make connections to the learning material	De Anza College	AA institutions	All U.S. institutions
None	4	619	2208
	4.8%	5.1%	3.8%
Very few	7	1169	6781
	8.4%	9.7%	11.8%
Some	20	2500	14969
	24.1%	20.7%	26.0%
Most	26	2787	15255
	31.3%	23.1%	26.5%
Almost all	16	2440	11334
	19.3%	20.2%	19.7%
All	10	2563	7101
	12.0%	21.2%	12.3%
Total respondent count (Percentages sum to 100%)	83	12078	57648
	100.0%	100.0%	100.0%

3.6. How many instructors ...encourage you to use your own technology devices during class to deepen learning	De Anza College	AA institutions	All U.S. institutions
None	14	2122	7959
	16.9%	17.6%	13.8%
Very few	33	2606	16229
	39.8%	21.6%	28.2%
Some	22	2673	15506
	26.5%	22.2%	26.9%
Most	10	1814	8730
	12.0%	15.0%	15.2%
Almost all	3	1391	5444
	3.6%	11.5%	9.4%
All	1	1452	3742
	1.2%	12.0%	6.5%
Total respondent count (Percentages sum to 100%)	83	12058	57610
	100.0%	100.0%	100.0%

3.6. How many instructors ...encourage you to use online collaboration tools to communicate/collaborate	De Anza College	AA institutions	All U.S. institutions
None	6	578	2560
	7.2%	4.8%	4.4%
Very few	15	1207	7998
	18.1%	10.0%	13.9%
Some	21	2473	15703
	25.3%	20.5%	27.2%
Most	27	2834	14558
	32.5%	23.4%	25.2%
Almost all	8	2398	9938
	9.6%	19.8%	17.2%
All	6	2598	6911
	7.2%	21.5%	12.0%
Total respondent count (Percentages sum to 100%)	83	12088	57668
	100.0%	100.0%	100.0%

3.6. How many instructors ...encourage you to use technology for creative or critical thinking tasks	De Anza College	AA institutions	All U.S. institutions
None	5	900	3983
	6.0%	7.5%	6.9%
Very few	17	1519	10280
	20.5%	12.6%	17.9%

3.6. How many instructors ...encourage you to use technology for creative or critical thinking tasks	De Anza College	AA institutions	All U.S. institutions
Some	25	2954	17412
	30.1%	24.5%	30.2%
Most	18	2671	12826
	21.7%	22.1%	22.3%
Almost all	14	2033	7987
	16.9%	16.8%	13.9%
All	4	2000	5097
	4.8%	16.6%	8.9%
Total respondent count (Percentages sum to 100%)	83	12077	57585
	100.0%	100.0%	100.0%

3.7. Wish instructors used: LMS	De Anza College	AA institutions	All U.S. institutions
Don't know	26	2263	8259
	31.3%	18.8%	14.3%
(Less) 1	9	744	3781
	10.8%	6.2%	6.6%
2	11	909	4293
	13.3%	7.5%	7.5%
3	21	3752	16617
	25.3%	31.1%	28.9%
4	11	1961	11403
	13.3%	16.3%	19.8%
(More) 5	5	2430	13235
	6.0%	20.2%	23.0%
Total respondent count (Percentages sum to 100%)	83	12059	57588
	100.0%	100.0%	100.0%

3.7. Wish instructors used: Online collaboration tools	De Anza College	AA institutions	All U.S. institutions
Don't know	12	2103	8203
	14.5%	17.5%	14.3%
(Less) 1	10	1068	5566
	12.0%	8.9%	9.7%
2	9	1355	7011
	10.8%	11.2%	12.2%
3	24	3769	18028
	28.9%	31.3%	31.4%
4	19	2065	10921
	22.9%	17.1%	19.0%
(More) 5	9	1685	7737
	10.8%	14.0%	13.5%
Total respondent count (Percentages sum to 100%)	83	12045	57466
	100.0%	100.0%	100.0%

3.7. Wish instructors used: E-portfolios	De Anza College	AA institutions	All U.S. institutions
Don't know	40	5759	24741
	49.4%	48.0%	43.1%
(Less) 1	5	1724	10151
	6.2%	14.4%	17.7%
2	8	1067	6030
	9.9%	8.9%	10.5%
3	16	2035	9593
	19.8%	16.9%	16.7%
4	7	787	3890
	8.6%	6.6%	6.8%
(More) 5	5	635	2933
	6.2%	5.3%	5.1%
Total respondent count (Percentages sum to 100%)	81	12007	57338
	100.0%	100.0%	100.0%

3.7. Wish instructors used: E-books or e-textbooks	De Anza College	AA institutions	All U.S. institutions
Don't know	5	2360	7645
	6.0%	19.6%	13.3%

3.7. Wish instructors used: E-books or e-textbooks	De Anza College	AA institutions	All U.S. institutions
(Less) 1	10	2520	12152
	12.0%	21.0%	21.2%
2	9	1229	6682
	10.8%	10.2%	11.6%
3	21	2325	11438
	25.3%	19.3%	19.9%
4	16	1524	8256
	19.3%	12.7%	14.4%
(More) 5	22	2069	11211
	26.5%	17.2%	19.5%
Total respondent count	83	12027	57384
(Percentages sum to 100%)	100.0%	100.0%	100.0%

3.7. Wish instructors used: Freely available content beyond your campus	De Anza College	AA institutions	All U.S. institutions
Don't know	7	1761	5812
	8.4%	14.6%	10.1%
(Less) 1	3	849	4130
	3.6%	7.1%	7.2%
2	9	922	4380
	10.8%	7.7%	7.6%
3	7	2758	11805
	8.4%	22.9%	20.6%
4	19	2511	13382
	22.9%	20.9%	23.3%
(More) 5	38	3221	17913
	45.8%	26.8%	31.2%
Total respondent count	83	12022	57422
(Percentages sum to 100%)	100.0%	100.0%	100.0%

3.7. Wish instructors used: Simulations or educational games	De Anza College	AA institutions	All U.S. institutions
Don't know	14	2451	9312
	17.1%	20.4%	16.2%
(Less) 1	13	1404	7342
	15.9%	11.7%	12.8%
2	9	971	4995
	11.0%	8.1%	8.7%
3	11	2460	12014
	13.4%	20.4%	20.9%
4	18	2274	11674
	22.0%	18.9%	20.3%
(More) 5	17	2475	12059
	20.7%	20.6%	21.0%
Total respondent count	82	12035	57396
(Percentages sum to 100%)	100.0%	100.0%	100.0%

3.7. Wish instructors used: Recorded lectures or lecture capture	De Anza College	AA institutions	All U.S. institutions
Don't know	6	1697	5745
	7.2%	14.1%	10.0%
(Less) 1	7	1046	4847
	8.4%	8.7%	8.4%
2	7	860	4005
	8.4%	7.2%	7.0%
3	12	2279	9951
	14.5%	19.0%	17.3%
4	14	2333	12033
	16.9%	19.4%	21.0%
(More) 5	37	3806	20807
	44.6%	31.7%	36.3%
Total respondent count	83	12021	57388
(Percentages sum to 100%)	100.0%	100.0%	100.0%

3.7. Wish instructors used: Social media as a learning tool	De Anza College	AA institutions	All U.S. institutions
Don't know	12	2886	10712
	14.5%	24.0%	18.7%
(Less) 1	20	2724	12593
	24.1%	22.6%	21.9%
2	12	1476	7465
	14.5%	12.3%	13.0%
3	16	2690	13329
	19.3%	22.3%	23.2%
4	11	1280	7531
	13.3%	10.6%	13.1%
(More) 5	12	981	5793
	14.5%	8.1%	10.1%
Total respondent count (Percentages sum to 100%)	83	12037	57423
	100.0%	100.0%	100.0%

3.7. Wish instructors used: Non-keyboard or non-mouse interfaces	De Anza College	AA institutions	All U.S. institutions
Don't know	26	4232	18143
	31.3%	35.2%	31.6%
(Less) 1	15	2053	10564
	18.1%	17.1%	18.4%
2	9	1393	7243
	10.8%	11.6%	12.6%
3	20	2516	12561
	24.1%	20.9%	21.9%
4	10	1008	5094
	12.0%	8.4%	8.9%
(More) 5	3	818	3757
	3.6%	6.8%	6.5%
Total respondent count (Percentages sum to 100%)	83	12020	57362
	100.0%	100.0%	100.0%

3.7. Wish instructors used: Software to create videos or multimedia resources	De Anza College	AA institutions	All U.S. institutions
Don't know	22	3441	14012
	26.5%	28.7%	24.5%
(Less) 1	7	1518	8202
	8.4%	12.6%	14.3%
2	12	1372	7176
	14.5%	11.4%	12.5%
3	22	3020	14683
	26.5%	25.2%	25.6%
4	8	1529	7986
	9.6%	12.7%	13.9%
(More) 5	12	1127	5223
	14.5%	9.4%	9.1%
Total respondent count (Percentages sum to 100%)	83	12007	57282
	100.0%	100.0%	100.0%

3.7. Wish instructors used: Early-alert systems	De Anza College	AA institutions	All U.S. institutions
Don't know	14	2435	9652
	16.9%	20.3%	16.9%
(Less) 1	5	839	4928
	6.0%	7.0%	8.6%
2	6	870	4151
	7.2%	7.2%	7.2%
3	14	2485	12041
	16.9%	20.7%	21.0%
4	22	2378	12271
	26.5%	19.8%	21.4%
(More) 5	22	3000	14235
	26.5%	25.0%	24.9%
Total respondent count	83	12007	57278

3.7. Wish instructors used: Early-alert systems	De Anza College	AA institutions	All U.S. institutions
(Percentages sum to 100%)	100.0%	100.0%	100.0%

3.7. Wish instructors used: Search tools to find references or other information online for class work	De Anza College	AA institutions	All U.S. institutions
Don't know	8 9.6%	1635 13.6%	6150 10.7%
(Less) 1	4 4.8%	723 6.0%	3534 6.2%
2	6 7.2%	906 7.6%	4332 7.6%
3	20 24.1%	3264 27.2%	14691 25.7%
4	20 24.1%	2843 23.7%	15444 27.0%
(More) 5	25 30.1%	2625 21.9%	13072 22.8%
Total respondent count (Percentages sum to 100%)	83 100.0%	11996 100.0%	57223 100.0%

3.7. Wish instructors used: Publisher electronic resources	De Anza College	AA institutions	All U.S. institutions
Don't know	7 8.4%	1482 12.4%	4920 8.6%
(Less) 1	6 7.2%	884 7.4%	4563 8.0%
2	6 7.2%	1008 8.4%	4886 8.5%
3	18 21.7%	3088 25.7%	13787 24.1%
4	18 21.7%	2658 22.2%	14328 25.0%
(More) 5	28 33.7%	2876 24.0%	14759 25.8%
Total respondent count (Percentages sum to 100%)	83 100.0%	11996 100.0%	57243 100.0%

3.7. Wish instructors used: In-class polling tools	De Anza College	AA institutions	All U.S. institutions
Don't know	19 22.9%	3532 29.3%	9724 16.9%
(Less) 1	10 12.0%	1510 12.5%	9090 15.8%
2	10 12.0%	1133 9.4%	6536 11.3%
3	18 21.7%	2584 21.4%	13318 23.1%
4	13 15.7%	1686 14.0%	10079 17.5%
(More) 5	13 15.7%	1624 13.5%	8878 15.4%
Total respondent count (Percentages sum to 100%)	83 100.0%	12069 100.0%	57625 100.0%

4.1. Preferred learning environment	De Anza College	AA institutions	All U.S. institutions
No online components	6 7.2%	1241 10.3%	5249 9.1%
Some online components	57 68.7%	6207 51.3%	35007 60.6%
Mostly but not completely online	9 10.8%	2043 16.9%	8801 15.2%
Completely online	5 6.0%	1276 10.5%	3753 6.5%
No preference	6 7.2%	1340 11.1%	4920 8.5%

4.1. Preferred learning environment	De Anza College	AA institutions	All U.S. institutions
Total respondent count	83	12107	57730
(Percentages sum to 100%)	100.0%	100.0%	100.0%

4.2. Courses taken by mode	De Anza College	AA institutions	All U.S. institutions	
Completely online, no face-to-face components	Mean	1.3	1.9	1.3
	SD	2.1	3.0	2.4
	N	81	12009	57300
Mostly online, some face-to-face components	Mean	0.3	0.5	0.4
	SD	0.6	1.6	1.3
	N	81	12009	57300
About half online and half face-to-face	Mean	0.6	0.7	0.7
	SD	1.0	1.6	1.6
	N	81	12009	57300
Some online components, mostly face-to-face	Mean	2.7	2.1	3.5
	SD	3.0	3.2	4.3
	N	81	12009	57300
No online components, completely face-to-face	Mean	3.9	2.3	3.3
	SD	3.9	3.8	4.8
	N	81	12009	57300
Total courses	Mean	8.8	7.5	9.2
	SD	5.0	5.4	6.1
	N	81	12009	57300

4.3. Would include on résumé	De Anza College	AA institutions	All U.S. institutions
Undergraduate degree/diploma	77	10307	53249
	92.8%	86.2%	93.1%
Certificate from an accredited college or university	44	5703	25790
	53.0%	47.7%	45.1%
Certificate from an industry-based training program	28	3290	16126
	33.7%	27.5%	28.2%
Certificate of completion of free course	15	2368	11073
	18.1%	19.8%	19.4%
Digital badge	12	1638	9716
	14.5%	13.7%	17.0%
E-portfolio	21	2027	12991
	25.3%	16.9%	22.7%
Jobs worked during college	50	6660	40432
	60.2%	55.7%	70.7%
Major projects completed during course work	34	3916	27596
	41.0%	32.7%	48.2%
Volunteering/community service	43	6557	39307
	51.8%	54.8%	68.7%
Other, please specify	3	555	3568
	3.6%	4.6%	6.2%
Total respondent count	83	11963	57204

4.4. I get more actively involved in courses that use technology.	De Anza College	AA institutions	All U.S. institutions
Don't know	2	385	1597
	2.4%	3.2%	2.8%
Strongly disagree	2	602	2700
	2.4%	5.0%	4.7%
Disagree	13	1473	7466
	15.9%	12.2%	13.0%
Neutral	26	4250	20548
	31.7%	35.3%	35.8%
Agree	27	3792	18535
	32.9%	31.5%	32.3%
Strongly agree	12	1539	6491
	14.6%	12.8%	11.3%
Total respondent count	82	12041	57337
(Percentages sum to 100%)	100.0%	100.0%	100.0%

4.4. I am more likely to skip classes when streamed or recorded lectures are available online.	De Anza College	AA institutions	All U.S. institutions
Don't know	7	878	3569
	8.6%	7.3%	6.2%
Strongly disagree	17	3164	11331
	21.0%	26.2%	19.7%
Disagree	24	3257	13561
	29.6%	27.0%	23.6%
Neutral	15	2071	10551
	18.5%	17.2%	18.4%
Agree	15	1984	13398
	18.5%	16.5%	23.3%
Strongly agree	3	700	4997
	3.7%	5.8%	8.7%
Total respondent count (Percentages sum to 100%)	81	12054	57407
	100.0%	100.0%	100.0%

4.4. I am more likely to skip classes when materials presented in class are available online.	De Anza College	AA institutions	All U.S. institutions
Don't know	1	589	1976
	1.2%	4.9%	3.4%
Strongly disagree	26	3423	12380
	32.1%	28.4%	21.6%
Disagree	30	3472	15041
	37.0%	28.8%	26.2%
Neutral	14	2066	11115
	17.3%	17.1%	19.4%
Agree	7	1873	12797
	8.6%	15.5%	22.3%
Strongly agree	3	628	4070
	3.7%	5.2%	7.1%
Total respondent count (Percentages sum to 100%)	81	12051	57379
	100.0%	100.0%	100.0%

4.4. I entered college adequately prepared to use technology needed in my courses.	De Anza College	AA institutions	All U.S. institutions
Don't know	0	227	939
	0.0%	1.9%	1.6%
Strongly disagree	6	558	2164
	7.3%	4.6%	3.8%
Disagree	6	1137	5454
	7.3%	9.4%	9.5%
Neutral	14	2168	10855
	17.1%	18.0%	18.9%
Agree	31	4903	24463
	37.8%	40.7%	42.6%
Strongly agree	25	3054	13511
	30.5%	25.4%	23.5%
Total respondent count (Percentages sum to 100%)	82	12047	57386
	100.0%	100.0%	100.0%

4.4. I am concerned that technology advances may increasingly invade my privacy.	De Anza College	AA institutions	All U.S. institutions
Don't know	3	558	2247
	3.7%	4.6%	3.9%
Strongly disagree	7	1562	6528
	8.6%	13.0%	11.4%
Disagree	8	2716	12720
	9.9%	22.6%	22.2%
Neutral	27	3340	15748
	33.3%	27.8%	27.5%
Agree	27	2760	14383
	33.3%	22.9%	25.1%
Strongly agree	9	1099	5738
	11.1%	9.1%	10.0%

4.4. I am concerned that technology advances may increasingly invade my privacy.	De Anza College	AA institutions	All U.S. institutions
Total respondent count (Percentages sum to 100%)	81 100.0%	12035 100.0%	57364 100.0%

4.4. I wish I'd been better prepared to use institution-specific technology.	De Anza College	AA institutions	All U.S. institutions
Don't know	1 1.2%	551 4.6%	2077 3.6%
Strongly disagree	11 13.6%	1633 13.6%	6055 10.6%
Disagree	12 14.8%	2551 21.2%	11215 19.5%
Neutral	24 29.6%	3444 28.6%	15907 27.7%
Agree	25 30.9%	2798 23.2%	15704 27.4%
Strongly agree	8 9.9%	1062 8.8%	6435 11.2%
Total respondent count (Percentages sum to 100%)	81 100.0%	12039 100.0%	57393 100.0%

4.4. I wish I'd been better prepared to use basic software.	De Anza College	AA institutions	All U.S. institutions
Don't know	1 1.2%	458 3.8%	1863 3.2%
Strongly disagree	19 23.5%	2608 21.6%	11111 19.4%
Disagree	21 25.9%	3072 25.5%	14873 25.9%
Neutral	22 27.2%	3011 25.0%	14533 25.3%
Agree	10 12.3%	2086 17.3%	10974 19.1%
Strongly agree	8 9.9%	816 6.8%	4002 7.0%
Total respondent count (Percentages sum to 100%)	81 100.0%	12051 100.0%	57356 100.0%

5.1. Physical or learning disability that requires accessible or adaptive technologies	De Anza College	AA institutions	All U.S. institutions
No	70 84.3%	10737 88.7%	53152 92.1%
Yes, I have one or more physical disabilities.	2 2.4%	246 2.0%	912 1.6%
Yes, I have one or more learning disabilities.	5 6.0%	586 4.8%	1867 3.2%
Yes, I have both physical and learning disabilities.	1 1.2%	115 0.9%	374 0.6%
Prefer not to answer	5 6.0%	423 3.5%	1418 2.5%
Total respondent count (Percentages sum to 100%)	83 100.0%	12107 100.0%	57723 100.0%

5.2a. Institution awareness of needed accessible or adaptive technologies	De Anza College	AA institutions	All U.S. institutions
My institution is not aware of my needs.	0 0.0%	146 15.5%	457 14.6%
Poor	1 12.5%	95 10.1%	359 11.5%
Fair	2 25.0%	125 13.3%	499 15.9%
Neutral	1 12.5%	138 14.6%	486 15.5%
Good	3 37.5%	221 23.5%	716 22.5%

5.2a. Institution awareness of needed accessible or adaptive technologies	De Anza College	AA institutions	All U.S. institutions
	37.5%	23.4%	22.8%
Excellent	1	192	523
	12.5%	20.4%	16.7%
Don't know	0	26	94
	0.0%	2.8%	3.0%
Total respondent count (Percentages sum to 100%)	8	943	3134
	100.0%	100.0%	100.0%

5.2b. Institution support of needed accessible or adaptive technologies	De Anza College	AA institutions	All U.S. institutions
I am not provided with the technologies I need.	0	86	264
	0.0%	9.1%	8.4%
Poor	2	70	292
	25.0%	7.4%	9.3%
Fair	1	123	455
	12.5%	13.0%	14.5%
Neutral	2	158	595
	25.0%	16.8%	18.9%
Good	2	257	791
	25.0%	27.3%	25.2%
Excellent	1	182	531
	12.5%	19.3%	16.9%
Don't know	0	67	213
	0.0%	7.1%	6.8%
Total respondent count (Percentages sum to 100%)	8	943	3141
	100.0%	100.0%	100.0%

6.1. Technology helped me ...engage in the learning process	De Anza College	AA institutions	All U.S. institutions
Don't know	2	301	1335
	2.5%	2.5%	2.4%
Strongly disagree	2	214	1031
	2.5%	1.8%	1.8%
Disagree	4	472	2579
	4.9%	4.0%	4.5%
Neutral	12	2374	12487
	14.8%	19.9%	22.0%
Agree	34	6103	29192
	42.0%	51.1%	51.5%
Strongly agree	27	2471	10109
	33.3%	20.7%	17.8%
Total respondent count (Percentages sum to 100%)	81	11935	56733
	100.0%	100.0%	100.0%

6.1. Technology helped me ...develop a personal relationship with my instructors	De Anza College	AA institutions	All U.S. institutions
Don't know	4	439	1924
	4.9%	3.7%	3.4%
Strongly disagree	5	876	4541
	6.1%	7.3%	8.0%
Disagree	14	2000	11348
	17.1%	16.7%	20.0%
Neutral	33	4026	18997
	40.2%	33.7%	33.4%
Agree	18	3397	15257
	22.0%	28.4%	26.9%
Strongly agree	8	1207	4727
	9.8%	10.1%	8.3%
Total respondent count (Percentages sum to 100%)	82	11945	56794
	100.0%	100.0%	100.0%

6.1. Technology helped me ...ask my instructors questions	De Anza College	AA institutions	All U.S. institutions
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6.1. Technology helped me ...ask my instructors questions	De Anza College	AA institutions	All U.S. institutions
Don't know	2	223	997
	2.4%	1.9%	1.8%
Strongly disagree	1	246	990
	1.2%	2.1%	1.7%
Disagree	1	451	2345
	1.2%	3.8%	4.1%
Neutral	9	1639	8123
	11.0%	13.7%	14.3%
Agree	43	5941	29070
	52.4%	49.8%	51.2%
Strongly agree	26	3438	15240
	31.7%	28.8%	26.8%
Total respondent count (Percentages sum to 100%)	82	11938	56765
	100.0%	100.0%	100.0%

6.1. Technology helped me ...discuss course topics with my instructors	De Anza College	AA institutions	All U.S. institutions
Don't know	3	379	1649
	3.7%	3.2%	2.9%
Strongly disagree	4	325	1702
	4.9%	2.7%	3.0%
Disagree	7	852	5136
	8.6%	7.1%	9.0%
Neutral	27	2696	14022
	33.3%	22.6%	24.7%
Agree	23	5581	25708
	28.4%	46.8%	45.3%
Strongly agree	17	2103	8549
	21.0%	17.6%	15.1%
Total respondent count (Percentages sum to 100%)	81	11936	56766
	100.0%	100.0%	100.0%

6.1. Technology helped me ...understand my instructors' expectations	De Anza College	AA institutions	All U.S. institutions
Don't know	2	262	1185
	2.5%	2.2%	2.1%
Strongly disagree	4	297	1373
	4.9%	2.5%	2.4%
Disagree	4	764	3636
	4.9%	6.4%	6.4%
Neutral	19	2398	12188
	23.5%	20.1%	21.5%
Agree	37	5807	28073
	45.7%	48.6%	49.4%
Strongly agree	15	2410	10327
	18.5%	20.2%	18.2%
Total respondent count (Percentages sum to 100%)	81	11938	56782
	100.0%	100.0%	100.0%

6.1. Technology helped me ...view my instructors as approachable	De Anza College	AA institutions	All U.S. institutions
Don't know	1	351	1535
	1.2%	2.9%	2.7%
Strongly disagree	4	424	2057
	4.9%	3.5%	3.6%
Disagree	6	879	5121
	7.3%	7.4%	9.0%
Neutral	16	2886	15016
	19.5%	24.2%	26.4%
Agree	38	5122	24074
	46.3%	42.9%	42.4%
Strongly agree	17	2286	8983
	20.7%	19.1%	15.8%

6.1. Technology helped me ...view my instructors as approachable	De Anza College	AA institutions	All U.S. institutions
Total respondent count (Percentages sum to 100%)	82 100.0%	11948 100.0%	56786 100.0%

6.1. Technology helped me ...get feedback from instructors in a timely manner	De Anza College	AA institutions	All U.S. institutions
Don't know	1 1.2%	255 2.1%	1028 1.8%
Strongly disagree	1 1.2%	316 2.6%	1389 2.4%
Disagree	7 8.5%	744 6.2%	3179 5.6%
Neutral	10 12.2%	1972 16.5%	9711 17.1%
Agree	37 45.1%	5679 47.5%	28107 49.5%
Strongly agree	26 31.7%	2990 25.0%	13384 23.6%
Total respondent count (Percentages sum to 100%)	82 100.0%	11956 100.0%	56798 100.0%

6.1. Technology helped me ...develop a personal relationship with other students	De Anza College	AA institutions	All U.S. institutions
Don't know	1 1.2%	533 4.5%	2118 3.7%
Strongly disagree	4 4.9%	1072 9.0%	5167 9.1%
Disagree	13 15.9%	2378 19.9%	11670 20.6%
Neutral	22 26.8%	3823 32.0%	17698 31.2%
Agree	29 35.4%	3047 25.5%	15212 26.8%
Strongly agree	13 15.9%	1092 9.1%	4919 8.7%
Total respondent count (Percentages sum to 100%)	82 100.0%	11945 100.0%	56784 100.0%

6.1. Technology helped me ...ask other students questions	De Anza College	AA institutions	All U.S. institutions
Don't know	2 2.4%	488 4.1%	1849 3.3%
Strongly disagree	1 1.2%	480 4.0%	2218 3.9%
Disagree	5 6.1%	1112 9.3%	5711 10.1%
Neutral	16 19.5%	2909 24.4%	13193 23.2%
Agree	36 43.9%	5087 42.6%	24939 43.9%
Strongly agree	22 26.8%	1860 15.6%	8872 15.6%
Total respondent count (Percentages sum to 100%)	82 100.0%	11936 100.0%	56782 100.0%

6.1. Technology helped me ...discuss course topics with other students	De Anza College	AA institutions	All U.S. institutions
Don't know	1 1.2%	464 3.9%	1788 3.2%
Strongly disagree	2 2.4%	442 3.7%	2126 3.7%
Disagree	6 7.3%	1078 9.0%	5580 9.8%
Neutral	18	2960	13699

6.1. Technology helped me ...discuss course topics with other students	De Anza College	AA institutions	All U.S. institutions
	22.0%	24.8%	24.1%
Agree	36	5159	25177
	43.9%	43.2%	44.4%
Strongly agree	19	1835	8384
	23.2%	15.4%	14.8%
Total respondent count (Percentages sum to 100%)	82	11938	56754
	100.0%	100.0%	100.0%

6.1. Technology helped me ...view other students as approachable	De Anza College	AA institutions	All U.S. institutions
Don't know	2	578	2450
	2.4%	4.8%	4.3%
Strongly disagree	5	630	3152
	6.1%	5.3%	5.6%
Disagree	8	1514	7890
	9.8%	12.7%	13.9%
Neutral	18	3935	18304
	22.0%	33.0%	32.3%
Agree	34	3975	19044
	41.5%	33.3%	33.6%
Strongly agree	15	1302	5902
	18.3%	10.9%	10.4%
Total respondent count (Percentages sum to 100%)	82	11934	56742
	100.0%	100.0%	100.0%

6.1. Technology helped me ...get feedback from other students in a timely manner	De Anza College	AA institutions	All U.S. institutions
Don't know	6	671	2628
	7.3%	5.6%	4.6%
Strongly disagree	2	496	2344
	2.4%	4.2%	4.1%
Disagree	6	1196	5833
	7.3%	10.0%	10.3%
Neutral	16	3252	14714
	19.5%	27.2%	25.9%
Agree	35	4676	23333
	42.7%	39.1%	41.1%
Strongly agree	17	1654	7971
	20.7%	13.8%	14.0%
Total respondent count (Percentages sum to 100%)	82	11945	56823
	100.0%	100.0%	100.0%

6.1. Technology helped me ...participate in group activities	De Anza College	AA institutions	All U.S. institutions
Don't know	4	504	1745
	4.9%	4.2%	3.1%
Strongly disagree	3	505	2014
	3.7%	4.2%	3.5%
Disagree	2	1178	4699
	2.4%	9.9%	8.3%
Neutral	16	2967	12154
	19.5%	24.9%	21.4%
Agree	39	4908	25702
	47.6%	41.2%	45.3%
Strongly agree	18	1864	10434
	22.0%	15.6%	18.4%
Total respondent count (Percentages sum to 100%)	82	11926	56748
	100.0%	100.0%	100.0%

6.1. Technology helped me ...explain course ideas or concepts to other students	De Anza College	AA institutions	All U.S. institutions
Don't know	2	604	2445
	2.4%	5.1%	4.3%

6.1. Technology helped me ...explain course ideas or concepts to other students	De Anza College	AA institutions	All U.S. institutions
Strongly disagree	1	422	2123
	1.2%	3.5%	3.7%
Disagree	7	1186	6223
	8.5%	9.9%	11.0%
Neutral	17	3555	16364
	20.7%	29.8%	28.8%
Agree	36	4632	22594
	43.9%	38.8%	39.8%
Strongly agree	19	1540	7019
	23.2%	12.9%	12.4%
Total respondent count (Percentages sum to 100%)	82	11939	56768
	100.0%	100.0%	100.0%

6.1. Technology helped me ...work with other students on class projects	De Anza College	AA institutions	All U.S. institutions
Don't know	1	647	1897
	1.2%	5.4%	3.3%
Strongly disagree	2	552	1788
	2.4%	4.6%	3.1%
Disagree	5	1093	3754
	6.1%	9.1%	6.6%
Neutral	13	2756	10130
	15.9%	23.1%	17.8%
Agree	36	4802	25619
	43.9%	40.2%	45.1%
Strongly agree	25	2098	13591
	30.5%	17.6%	23.9%
Total respondent count (Percentages sum to 100%)	82	11948	56779
	100.0%	100.0%	100.0%

6.1. Technology helped me ...learn something from other students	De Anza College	AA institutions	All U.S. institutions
Don't know	1	455	1913
	1.2%	3.8%	3.4%
Strongly disagree	1	505	2364
	1.2%	4.2%	4.2%
Disagree	7	1171	6404
	8.6%	9.8%	11.3%
Neutral	24	3099	15159
	29.6%	25.9%	26.7%
Agree	30	5015	23709
	37.0%	42.0%	41.8%
Strongly agree	18	1700	7215
	22.2%	14.2%	12.7%
Total respondent count (Percentages sum to 100%)	81	11945	56764
	100.0%	100.0%	100.0%

6.1. Technology helped me ...keep track of course news or announcements	De Anza College	AA institutions	All U.S. institutions
Don't know	2	244	1003
	2.4%	2.0%	1.8%
Strongly disagree	2	168	695
	2.4%	1.4%	1.2%
Disagree	2	312	1426
	2.4%	2.6%	2.5%
Neutral	7	1501	6675
	8.5%	12.6%	11.8%
Agree	38	5692	26837
	46.3%	47.7%	47.3%
Strongly agree	31	4008	20108
	37.8%	33.6%	35.4%
Total respondent count (Percentages sum to 100%)	82	11925	56744
	100.0%	100.0%	100.0%

6.1. Technology helped me ...investigate topics outside class time	De Anza College	AA institutions	All U.S. institutions
Don't know	0	330	1339
	0.0%	2.8%	2.4%
Strongly disagree	1	201	881
	1.2%	1.7%	1.6%
Disagree	5	401	2010
	6.1%	3.4%	3.5%
Neutral	12	1843	8000
	14.6%	15.4%	14.1%
Agree	33	5669	27337
	40.2%	47.5%	48.1%
Strongly agree	31	3499	17215
	37.8%	29.3%	30.3%
Total respondent count (Percentages sum to 100%)	82	11943	56782
	100.0%	100.0%	100.0%

6.1. Technology helped me ...reflect on course materials	De Anza College	AA institutions	All U.S. institutions
Don't know	0	340	1371
	0.0%	2.8%	2.4%
Strongly disagree	5	193	892
	6.1%	1.6%	1.6%
Disagree	0	479	2421
	0.0%	4.0%	4.3%
Neutral	10	2112	9896
	12.2%	17.7%	17.4%
Agree	43	6025	29178
	52.4%	50.5%	51.4%
Strongly agree	24	2789	13027
	29.3%	23.4%	22.9%
Total respondent count (Percentages sum to 100%)	82	11938	56785
	100.0%	100.0%	100.0%

6.1. Technology helped me ...conduct research for class assignments	De Anza College	AA institutions	All U.S. institutions
Don't know	0	320	1350
	0.0%	2.7%	2.4%
Strongly disagree	1	130	599
	1.2%	1.1%	1.1%
Disagree	1	235	1287
	1.2%	2.0%	2.3%
Neutral	7	1364	6187
	8.5%	11.4%	10.9%
Agree	34	5394	24167
	41.5%	45.2%	42.6%
Strongly agree	39	4495	23177
	47.6%	37.7%	40.8%
Total respondent count (Percentages sum to 100%)	82	11938	56767
	100.0%	100.0%	100.0%

6.1. Technology helped me ...document class work or projects	De Anza College	AA institutions	All U.S. institutions
Don't know	1	297	1256
	1.2%	2.5%	2.2%
Strongly disagree	1	173	696
	1.2%	1.4%	1.2%
Disagree	4	348	1553
	4.9%	2.9%	2.7%
Neutral	8	1810	7619
	9.8%	15.2%	13.4%
Agree	36	6044	29189
	43.9%	50.6%	51.4%
Strongly agree	32	3275	16442
	39.0%	27.4%	29.0%

6.1. Technology helped me ...document class work or projects	De Anza College	AA institutions	All U.S. institutions
Total respondent count	82	11947	56755
(Percentages sum to 100%)	100.0%	100.0%	100.0%

6.1. Technology helped me ...complete case studies	De Anza College	AA institutions	All U.S. institutions
Don't know	19	1635	8568
	23.5%	13.7%	15.1%
Strongly disagree	1	275	1598
	1.2%	2.3%	2.8%
Disagree	7	711	3808
	8.6%	6.0%	6.7%
Neutral	17	3047	14698
	21.0%	25.5%	25.9%
Agree	21	4348	19743
	25.9%	36.5%	34.8%
Strongly agree	16	1911	8357
	19.8%	16.0%	14.7%
Total respondent count	81	11927	56772
(Percentages sum to 100%)	100.0%	100.0%	100.0%

6.1. Technology helped me ...analyze data	De Anza College	AA institutions	All U.S. institutions
Don't know	5	573	2371
	6.1%	4.8%	4.2%
Strongly disagree	0	224	964
	0.0%	1.9%	1.7%
Disagree	5	530	2427
	6.1%	4.4%	4.3%
Neutral	16	2599	11237
	19.5%	21.8%	19.8%
Agree	34	5641	27168
	41.5%	47.3%	47.9%
Strongly agree	22	2364	12547
	26.8%	19.8%	22.1%
Total respondent count	82	11931	56714
(Percentages sum to 100%)	100.0%	100.0%	100.0%

6.1. Technology helped me ...learn through games or interactive activities	De Anza College	AA institutions	All U.S. institutions
Don't know	11	1160	5238
	13.6%	9.7%	9.2%
Strongly disagree	6	934	5452
	7.4%	7.8%	9.6%
Disagree	7	1867	9997
	8.6%	15.6%	17.6%
Neutral	22	3310	15689
	27.2%	27.7%	27.6%
Agree	20	3366	15205
	24.7%	28.2%	26.8%
Strongly agree	15	1300	5214
	18.5%	10.9%	9.2%
Total respondent count	81	11937	56795
(Percentages sum to 100%)	100.0%	100.0%	100.0%

6.1. Technology helped me ...learn through simulations	De Anza College	AA institutions	All U.S. institutions
Don't know	12	866	4173
	14.6%	7.3%	7.4%
Strongly disagree	3	450	2586
	3.7%	3.8%	4.6%
Disagree	7	1084	6608
	8.5%	9.1%	11.6%
Neutral	24	3076	15281
	29.3%	25.8%	26.9%
Agree	23	4662	20884
	28.0%	39.0%	36.8%

6.1. Technology helped me ...learn through simulations	De Anza College	AA institutions	All U.S. institutions
Strongly agree	13	1802	7224
	15.9%	15.1%	12.7%
Total respondent count (Percentages sum to 100%)	82	11940	56756
	100.0%	100.0%	100.0%

6.2. Technology used in my courses ...enriched my learning experiences	De Anza College	AA institutions	All U.S. institutions
Don't know	1	271	1299
	1.3%	2.3%	2.3%
Strongly disagree	1	214	978
	1.3%	1.8%	1.7%
Disagree	3	446	2208
	3.8%	3.7%	3.9%
Neutral	15	2298	11108
	18.8%	19.2%	19.6%
Agree	37	5894	28833
	46.3%	49.3%	50.8%
Strongly agree	23	2829	12340
	28.8%	23.7%	21.7%
Total respondent count (Percentages sum to 100%)	80	11952	56766
	100.0%	100.0%	100.0%

6.2. Technology used in my courses ...was relevant to my achievement of course learning objectives	De Anza College	AA institutions	All U.S. institutions
Don't know	3	339	1533
	3.8%	2.8%	2.7%
Strongly disagree	3	196	918
	3.8%	1.6%	1.6%
Disagree	3	436	2207
	3.8%	3.6%	3.9%
Neutral	10	2178	11086
	12.5%	18.2%	19.5%
Agree	41	6152	29603
	51.3%	51.5%	52.2%
Strongly agree	20	2646	11418
	25.0%	22.1%	20.1%
Total respondent count (Percentages sum to 100%)	80	11947	56765
	100.0%	100.0%	100.0%

6.2. Technology used in my courses ...contributed to the successful completion of my courses	De Anza College	AA institutions	All U.S. institutions
Don't know	0	284	1326
	0.0%	2.4%	2.3%
Strongly disagree	2	204	898
	2.5%	1.7%	1.6%
Disagree	3	412	1957
	3.7%	3.4%	3.4%
Neutral	10	1823	9094
	12.3%	15.3%	16.0%
Agree	44	5893	28770
	54.3%	49.3%	50.7%
Strongly agree	22	3332	14744
	27.2%	27.9%	26.0%
Total respondent count (Percentages sum to 100%)	81	11948	56789
	100.0%	100.0%	100.0%

6.2. Technology used in my courses ...connected course materials and real-world experiences	De Anza College	AA institutions	All U.S. institutions
Don't know	1	395	1753
	1.3%	3.3%	3.1%
Strongly disagree	1	272	1343
	1.3%	2.3%	2.4%
Disagree	5	799	4069
	6.3%	6.7%	7.2%

6.2. Technology used in my courses ...connected course materials and real-world experiences	De Anza College	AA institutions	All U.S. institutions
Neutral	22	2740	13528
	27.5%	22.9%	23.8%
Agree	29	5528	26231
	36.3%	46.2%	46.2%
Strongly agree	22	2229	9851
	27.5%	18.6%	17.4%
Total respondent count (Percentages sum to 100%)	80	11963	56775
	100.0%	100.0%	100.0%

6.2. Technology used in my courses ...helped me understand fundamental concepts	De Anza College	AA institutions	All U.S. institutions
Don't know	0	328	1483
	0.0%	2.7%	2.6%
Strongly disagree	2	223	1008
	2.5%	1.9%	1.8%
Disagree	3	515	2653
	3.8%	4.3%	4.7%
Neutral	19	2489	12011
	23.8%	20.8%	21.1%
Agree	38	6022	29310
	47.5%	50.4%	51.6%
Strongly agree	18	2375	10331
	22.5%	19.9%	18.2%
Total respondent count (Percentages sum to 100%)	80	11952	56796
	100.0%	100.0%	100.0%

6.2. Technology used in my courses ...built relevant skills that were useful outside courses	De Anza College	AA institutions	All U.S. institutions
Don't know	3	405	1783
	3.8%	3.4%	3.1%
Strongly disagree	4	248	1229
	5.0%	2.1%	2.2%
Disagree	4	635	3411
	5.0%	5.3%	6.0%
Neutral	24	2692	13098
	30.0%	22.5%	23.1%
Agree	29	5602	26762
	36.3%	46.9%	47.1%
Strongly agree	16	2368	10481
	20.0%	19.8%	18.5%
Total respondent count (Percentages sum to 100%)	80	11950	56764
	100.0%	100.0%	100.0%

6.2. Technology used in my courses ...helped make connections to knowledge obtained in other courses	De Anza College	AA institutions	All U.S. institutions
Don't know	5	435	1789
	6.3%	3.6%	3.2%
Strongly disagree	1	231	1141
	1.3%	1.9%	2.0%
Disagree	2	597	3355
	2.5%	5.0%	5.9%
Neutral	19	2664	12845
	24.1%	22.3%	22.6%
Agree	35	5751	27711
	44.3%	48.1%	48.8%
Strongly agree	17	2278	9923
	21.5%	19.1%	17.5%
Total respondent count (Percentages sum to 100%)	79	11956	56764
	100.0%	100.0%	100.0%

6.2. Technology used in my courses ...helped me understand hard-to-grasp concepts or processes	De Anza College	AA institutions	All U.S. institutions
Don't know	1	351	1515

6.2. Technology used in my courses ...helped me understand hard-to-grasp concepts or processes	De Anza College	AA institutions	All U.S. institutions
	1.3%	2.9%	2.7%
Strongly disagree	2	332	1402
	2.5%	2.8%	2.5%
Disagree	5	888	3971
	6.3%	7.4%	7.0%
Neutral	16	2747	12902
	20.3%	23.0%	22.7%
Agree	33	5275	26057
	41.8%	44.1%	45.9%
Strongly agree	22	2364	10914
	27.8%	19.8%	19.2%
Total respondent count (Percentages sum to 100%)	79	11957	56761
	100.0%	100.0%	100.0%

6.2. Technology used in my courses ...was appropriate to the content being delivered	De Anza College	AA institutions	All U.S. institutions
Don't know	2	318	1558
	2.5%	2.7%	2.7%
Strongly disagree	1	154	732
	1.3%	1.3%	1.3%
Disagree	0	321	1740
	0.0%	2.7%	3.1%
Neutral	14	2081	10555
	17.5%	17.4%	18.6%
Agree	43	6541	31654
	53.8%	54.8%	55.8%
Strongly agree	20	2530	10536
	25.0%	21.2%	18.6%
Total respondent count (Percentages sum to 100%)	80	11945	56775
	100.0%	100.0%	100.0%

6.2. Technology used in my courses ...helped me think critically	De Anza College	AA institutions	All U.S. institutions
Don't know	0	354	1687
	0.0%	3.0%	3.0%
Strongly disagree	3	264	1445
	3.7%	2.2%	2.5%
Disagree	8	778	4498
	9.9%	6.5%	7.9%
Neutral	29	2997	15414
	35.8%	25.1%	27.1%
Agree	28	5382	24786
	34.6%	45.0%	43.6%
Strongly agree	13	2181	8954
	16.0%	18.2%	15.8%
Total respondent count (Percentages sum to 100%)	81	11956	56784
	100.0%	100.0%	100.0%

6.2. Technology used in my courses ...helped me focus on learning activities or course materials	De Anza College	AA institutions	All U.S. institutions
Don't know	2	299	1444
	2.5%	2.5%	2.5%
Strongly disagree	2	249	1366
	2.5%	2.1%	2.4%
Disagree	4	612	3509
	5.0%	5.1%	6.2%
Neutral	22	2484	12594
	27.5%	20.8%	22.2%
Agree	34	5974	28050
	42.5%	50.0%	49.4%
Strongly agree	16	2335	9803
	20.0%	19.5%	17.3%
Total respondent count	80	11953	56766

6.2. Technology used in my courses ...helped me focus on learning activities or course materials	De Anza College	AA institutions	All U.S. institutions
(Percentages sum to 100%)	100.0%	100.0%	100.0%

6.3. Technology used in my courses has enabled me to ...receive feedback from others right away	De Anza College	AA institutions	All U.S. institutions
Don't know	2	452	1904
	2.5%	3.8%	3.4%
Strongly disagree	4	350	1527
	4.9%	2.9%	2.7%
Disagree	3	1008	4386
	3.7%	8.4%	7.7%
Neutral	21	2930	12986
	25.9%	24.6%	22.9%
Agree	32	5270	26169
	39.5%	44.2%	46.2%
Strongly agree	19	1924	9662
	23.5%	16.1%	17.1%
Total respondent count (Percentages sum to 100%)	81	11934	56634
	100.0%	100.0%	100.0%

6.3. Technology used in my courses has enabled me to ...communicate basic messages	De Anza College	AA institutions	All U.S. institutions
Don't know	2	334	1632
	2.4%	2.8%	2.9%
Strongly disagree	1	189	892
	1.2%	1.6%	1.6%
Disagree	2	411	1936
	2.4%	3.4%	3.4%
Neutral	12	2000	9191
	14.6%	16.8%	16.2%
Agree	44	6513	30719
	53.7%	54.6%	54.3%
Strongly agree	21	2488	12253
	25.6%	20.8%	21.6%
Total respondent count (Percentages sum to 100%)	82	11935	56623
	100.0%	100.0%	100.0%

6.3. Technology used in my courses has enabled me to ...understand what other people were trying to communicate	De Anza College	AA institutions	All U.S. institutions
Don't know	3	543	2397
	3.7%	4.6%	4.2%
Strongly disagree	3	298	1456
	3.7%	2.5%	2.6%
Disagree	4	934	4589
	4.9%	7.8%	8.1%
Neutral	26	3182	15392
	31.7%	26.7%	27.2%
Agree	34	5414	25723
	41.5%	45.4%	45.4%
Strongly agree	12	1558	7089
	14.6%	13.1%	12.5%
Total respondent count (Percentages sum to 100%)	82	11929	56646
	100.0%	100.0%	100.0%

6.3. Technology used in my courses has enabled me to ...explain my ideas in specific terms	De Anza College	AA institutions	All U.S. institutions
Don't know	3	572	2570
	3.7%	4.8%	4.5%
Strongly disagree	1	274	1422
	1.2%	2.3%	2.5%
Disagree	7	843	4680
	8.5%	7.1%	8.3%
Neutral	25	3410	16133

6.3. Technology used in my courses has enabled me to ...explain my ideas in specific terms	De Anza College	AA institutions	All U.S. institutions
	30.5%	28.6%	28.5%
Agree	35	5261	24465
	42.7%	44.1%	43.2%
Strongly agree	11	1570	7351
	13.4%	13.2%	13.0%
Total respondent count (Percentages sum to 100%)	82	11930	56621
	100.0%	100.0%	100.0%

6.3. Technology used in my courses has enabled me to ...help others learn something from me	De Anza College	AA institutions	All U.S. institutions
Don't know	9	736	3257
	11.1%	6.2%	5.8%
Strongly disagree	2	349	1714
	2.5%	2.9%	3.0%
Disagree	3	972	5289
	3.7%	8.1%	9.3%
Neutral	22	3419	16493
	27.2%	28.7%	29.1%
Agree	30	4983	23096
	37.0%	41.8%	40.8%
Strongly agree	15	1472	6776
	18.5%	12.3%	12.0%
Total respondent count (Percentages sum to 100%)	81	11931	56625
	100.0%	100.0%	100.0%

6.3. Technology used in my courses has enabled me to ...clearly explain new concepts I've learned to others	De Anza College	AA institutions	All U.S. institutions
Don't know	6	644	2871
	7.3%	5.4%	5.1%
Strongly disagree	2	335	1665
	2.4%	2.8%	2.9%
Disagree	5	1030	5742
	6.1%	8.6%	10.1%
Neutral	22	3634	17224
	26.8%	30.4%	30.4%
Agree	34	4802	22445
	41.5%	40.2%	39.6%
Strongly agree	13	1491	6686
	15.9%	12.5%	11.8%
Total respondent count (Percentages sum to 100%)	82	11936	56633
	100.0%	100.0%	100.0%

6.3. Technology used in my courses has enabled me to ...persuade my classmates why my ideas are relevant	De Anza College	AA institutions	All U.S. institutions
Don't know	13	984	4235
	15.9%	8.2%	7.5%
Strongly disagree	1	440	2245
	1.2%	3.7%	4.0%
Disagree	6	1352	7262
	7.3%	11.3%	12.8%
Neutral	32	4265	19724
	39.0%	35.8%	34.8%
Agree	19	3738	17774
	23.2%	31.3%	31.4%
Strongly agree	11	1151	5386
	13.4%	9.6%	9.5%
Total respondent count (Percentages sum to 100%)	82	11930	56626
	100.0%	100.0%	100.0%

6.3. Technology used in my courses has enabled me to ...use technical or academic terminology correctly	De Anza College	AA institutions	All U.S. institutions
Don't know	2	470	2250
	2.4%	3.9%	4.0%

6.3. Technology used in my courses has enabled me to ...use technical or academic terminology correctly	De Anza College	AA institutions	All U.S. institutions
Strongly disagree	3	200	1075
	3.7%	1.7%	1.9%
Disagree	4	578	3069
	4.9%	4.8%	5.4%
Neutral	15	2701	12924
	18.3%	22.6%	22.8%
Agree	41	5884	27818
	50.0%	49.3%	49.1%
Strongly agree	17	2097	9479
	20.7%	17.6%	16.7%
Total respondent count (Percentages sum to 100%)	82	11930	56615
	100.0%	100.0%	100.0%

6.3. Technology used in my courses has enabled me to ...explain my thought process from start to finish	De Anza College	AA institutions	All U.S. institutions
Don't know	4	649	2925
	4.9%	5.4%	5.2%
Strongly disagree	3	361	1907
	3.7%	3.0%	3.4%
Disagree	6	1172	6257
	7.3%	9.8%	11.0%
Neutral	31	3732	17799
	37.8%	31.3%	31.4%
Agree	29	4557	21097
	35.4%	38.2%	37.3%
Strongly agree	9	1471	6646
	11.0%	12.3%	11.7%
Total respondent count (Percentages sum to 100%)	82	11942	56631
	100.0%	100.0%	100.0%

6.4. I get distracted during classes because I ...use social media	De Anza College	AA institutions	All U.S. institutions
Don't know	0	520	1792
	0.0%	4.4%	3.2%
Strongly disagree	23	4119	14215
	28.4%	34.5%	25.0%
Disagree	19	2330	9457
	23.5%	19.5%	16.7%
Neutral	12	1747	8997
	14.8%	14.6%	15.9%
Agree	15	2442	16581
	18.5%	20.5%	29.2%
Strongly agree	12	783	5707
	14.8%	6.6%	10.1%
Total respondent count (Percentages sum to 100%)	81	11941	56749
	100.0%	100.0%	100.0%

6.4. I get distracted during classes because I ...text	De Anza College	AA institutions	All U.S. institutions
Don't know	1	481	1641
	1.2%	4.0%	2.9%
Strongly disagree	15	3530	11720
	18.5%	29.6%	20.7%
Disagree	18	2308	9232
	22.2%	19.3%	16.3%
Neutral	14	2067	10213
	17.3%	17.3%	18.0%
Agree	22	2750	18282
	27.2%	23.0%	32.2%
Strongly agree	11	801	5661
	13.6%	6.7%	10.0%
Total respondent count (Percentages sum to 100%)	81	11937	56749
	100.0%	100.0%	100.0%

6.4. I get distracted during classes because I ...read e-mail	De Anza College	AA institutions	All U.S. institutions
Don't know	1	479	1660
	1.3%	4.0%	2.9%
Strongly disagree	14	3804	12509
	17.5%	31.9%	22.1%
Disagree	19	2520	9743
	23.8%	21.1%	17.2%
Neutral	16	1930	9800
	20.0%	16.2%	17.3%
Agree	20	2540	18073
	25.0%	21.3%	31.9%
Strongly agree	10	659	4945
	12.5%	5.5%	8.7%
Total respondent count (Percentages sum to 100%)	80	11932	56730
	100.0%	100.0%	100.0%

6.4. I get distracted during classes because I ...play games on a laptop or mobile device	De Anza College	AA institutions	All U.S. institutions
Don't know	2	625	2472
	2.4%	5.2%	4.4%
Strongly disagree	31	5481	24346
	37.8%	46.0%	42.9%
Disagree	21	2886	13664
	25.6%	24.2%	24.1%
Neutral	13	1298	6538
	15.9%	10.9%	11.5%
Agree	9	1180	7228
	11.0%	9.9%	12.7%
Strongly agree	6	456	2492
	7.3%	3.8%	4.4%
Total respondent count (Percentages sum to 100%)	82	11926	56740
	100.0%	100.0%	100.0%

6.4. I get distracted during classes because I ...read websites not related to class	De Anza College	AA institutions	All U.S. institutions
Don't know	1	536	1872
	1.2%	4.5%	3.3%
Strongly disagree	19	4332	15706
	23.5%	36.3%	27.7%
Disagree	20	2769	11324
	24.7%	23.2%	20.0%
Neutral	18	1678	8738
	22.2%	14.1%	15.4%
Agree	16	2042	14856
	19.8%	17.1%	26.2%
Strongly agree	7	586	4249
	8.6%	4.9%	7.5%
Total respondent count (Percentages sum to 100%)	81	11943	56745
	100.0%	100.0%	100.0%

6.4. I get distracted during classes because I ...surf the Web	De Anza College	AA institutions	All U.S. institutions
Don't know	0	508	1800
	0.0%	4.3%	3.2%
Strongly disagree	18	4145	14816
	22.0%	34.7%	26.1%
Disagree	15	2545	10803
	18.3%	21.3%	19.0%
Neutral	17	1791	8991
	20.7%	15.0%	15.8%
Agree	22	2273	15402
	26.8%	19.0%	27.1%
Strongly agree	10	679	4922
	12.2%	5.7%	8.7%

6.4. I get distracted during classes because I ...surf the Web	De Anza College	AA institutions	All U.S. institutions
Total respondent count (Percentages sum to 100%)	82 100.0%	11941 100.0%	56734 100.0%

6.4. I get distracted during classes because I ...read printed materials not related to class	De Anza College	AA institutions	All U.S. institutions
Don't know	3 3.7%	607 5.1%	2392 4.2%
Strongly disagree	35 43.2%	5300 44.4%	23220 40.9%
Disagree	17 21.0%	3056 25.6%	14609 25.8%
Neutral	10 12.3%	1383 11.6%	7075 12.5%
Agree	10 12.3%	1197 10.0%	7240 12.8%
Strongly agree	6 7.4%	391 3.3%	2196 3.9%
Total respondent count (Percentages sum to 100%)	81 100.0%	11934 100.0%	56732 100.0%

6.4. I get distracted during classes because I ...read a newspaper	De Anza College	AA institutions	All U.S. institutions
Don't know	1 1.2%	677 5.7%	2736 4.8%
Strongly disagree	35 43.2%	6006 50.3%	28641 50.5%
Disagree	24 29.6%	3039 25.5%	14221 25.1%
Neutral	9 11.1%	1152 9.6%	5666 10.0%
Agree	9 11.1%	773 6.5%	4065 7.2%
Strongly agree	3 3.7%	291 2.4%	1400 2.5%
Total respondent count (Percentages sum to 100%)	81 100.0%	11938 100.0%	56729 100.0%

6.4. I get distracted during classes because I ...pass notes	De Anza College	AA institutions	All U.S. institutions
Don't know	5 6.2%	657 5.5%	2655 4.7%
Strongly disagree	37 45.7%	6171 51.7%	29380 51.8%
Disagree	23 28.4%	2990 25.1%	14166 25.0%
Neutral	8 9.9%	1109 9.3%	5510 9.7%
Agree	4 4.9%	710 6.0%	3671 6.5%
Strongly agree	4 4.9%	294 2.5%	1330 2.3%
Total respondent count (Percentages sum to 100%)	81 100.0%	11931 100.0%	56712 100.0%

6.4. I get distracted during classes because I ...talk to neighbors	De Anza College	AA institutions	All U.S. institutions
Don't know	3 3.7%	551 4.6%	1920 3.4%
Strongly disagree	15 18.5%	3734 31.3%	15491 27.3%
Disagree	20 24.7%	2831 23.7%	13200 23.3%
Neutral	22	2243	11304

6.4. I get distracted during classes because I ...talk to neighbors	De Anza College	AA institutions	All U.S. institutions
	27.2%	18.8%	19.9%
Agree	18	2140	12394
	22.2%	17.9%	21.8%
Strongly agree	3	437	2443
	3.7%	3.7%	4.3%
Total respondent count (Percentages sum to 100%)	81	11936	56752
	100.0%	100.0%	100.0%

For the next set of questions, respondents were asked to rate themselves on a scale of 0–100.

7.1a. Disposition towards IT		De Anza College	AA institutions	All U.S. institutions
Reluctant or Enthusiast	Mean	72.7	69.7	68.8
	SD	21.4	21.6	21.2
	N	74	10827	52421
Late adopter or Early adopter	Mean	69.8	64.9	64.1
	SD	22.8	24.7	24.0
	N	77	10779	52296
Technophobe or Technophile	Mean	71.9	67.3	68.1
	SD	25.8	22.6	21.9
	N	74	10156	50106
Skeptic or Cheerleader	Mean	62.8	61.7	60.5
	SD	24.8	24.2	23.6
	N	76	10613	51593
By-the-book or Experimenter	Mean	66.6	60.2	58.5
	SD	23.6	25.1	24.8
	N	78	10750	52055
Critic or Supporter	Mean	74.7	69.5	68.0
	SD	20.9	22.6	22.5
	N	73	10855	52384

7.1b. Attitude towards IT		De Anza College	AA institutions	All U.S. institutions
Dissatisfied or Satisfied	Mean	74.0	74.4	72.0
	SD	20.0	19.6	19.2
	N	74	11033	52959
Discontent or Content	Mean	75.4	73.4	71.6
	SD	18.6	19.5	19.2
	N	72	10971	52755
Perturbed or Pleased	Mean	75.7	73.9	71.9
	SD	17.4	19.3	18.8
	N	72	10976	52664
Burdensome or Beneficial	Mean	76.9	76.8	75.0
	SD	20.6	19.8	19.6
	N	75	11054	53218
Useless or Useful	Mean	81.4	80.8	80.0
	SD	18.0	17.8	17.6
	N	79	11186	53667
Distraction or Enhancement	Mean	67.5	69.7	66.2
	SD	22.2	22.8	22.8
	N	75	10977	52526

7.1c. Usage of IT		De Anza College	AA institutions	All U.S. institutions
Never connected or Always connected	Mean	77.0	77.2	76.4
	SD	18.5	19.0	18.7
	N	74	10955	52915
Peripheral or Central	Mean	72.5	70.2	68.6
	SD	19.6	19.5	19.4
	N	69	10248	49940
Old media or New media	Mean	74.6	73.1	72.0
	SD	17.4	19.2	18.9
	N	72	10706	51964
Infrequent or Frequent	Mean	82.4	79.4	78.9
	SD	16.7	18.6	18.1
	N	75	11050	53304

7.2. Technology will play an important role in my chosen career after college.	De Anza College	AA institutions	All U.S. institutions
Don't know	0	363	1897
	0.0%	3.0%	3.3%
Strongly disagree	2	193	863
	2.4%	1.6%	1.5%
Disagree	0	375	1796
	0.0%	3.1%	3.2%
Neutral	10	1469	7117
	12.2%	12.3%	12.5%
Agree	30	4482	21244
	36.6%	37.5%	37.3%
Strongly agree	40	5070	23973
	48.8%	42.4%	42.1%
Total respondent count (Percentages sum to 100%)	82	11952	56890
	100.0%	100.0%	100.0%

7.2. Technology that I use in my courses now will prepare me adequately for my chosen career.	De Anza College	AA institutions	All U.S. institutions
Don't know	4	473	2311
	4.9%	4.0%	4.1%
Strongly disagree	3	296	1653
	3.7%	2.5%	2.9%
Disagree	3	627	3537
	3.7%	5.2%	6.2%
Neutral	16	2164	10892
	19.8%	18.1%	19.1%
Agree	27	4864	23315
	33.3%	40.7%	41.0%
Strongly agree	28	3530	15174
	34.6%	29.5%	26.7%
Total respondent count (Percentages sum to 100%)	81	11954	56882
	100.0%	100.0%	100.0%

7.3. Gender	De Anza College	AA institutions	All U.S. institutions
Male	29	4198	20433
	34.9%	34.9%	35.7%
Female	53	7595	35605
	63.9%	63.1%	62.1%
Other	0	84	493
	0.0%	0.7%	0.9%
Prefer not to answer	1	158	760
	1.2%	1.3%	1.3%
Total respondent count (Percentages sum to 100%)	83	12035	57291
	100.0%	100.0%	100.0%

7.4. Intend to earn	De Anza College	AA institutions	All U.S. institutions
Digital badges that certify my skills	12	1397	6986
	14.5%	11.6%	12.2%
A vocational/occupational certificate	14	1887	4825
	16.9%	15.7%	8.4%
A college diploma (non-U.S. respondents only)	0	0	0
	0.0%	0.0%	0.0%
An associate's degree	38	7806	11715
	45.8%	64.9%	20.5%
A bachelor's degree	56	6274	44805
	67.5%	52.2%	78.3%
An honor's degree (non-U.S. respondents only)	0	0	0
	0.0%	0.0%	0.0%
A master's degree	36	2722	22149
	43.4%	22.6%	38.7%
A doctoral degree	16	873	7844
	19.3%	7.3%	13.7%
Another professional degree	7	553	5439
	8.4%	4.6%	9.5%

7.4. Intend to earn	De Anza College	AA institutions	All U.S. institutions
Other, please describe	3	281	922
	3.6%	2.3%	1.6%
N/A	1	233	805
	1.2%	1.9%	1.4%
Total respondent count	83	12019	57220

7.5. Major	De Anza College	AA institutions	All U.S. institutions
Agriculture and natural resources	1	219	1009
	1.2%	1.8%	1.8%
Biological/life sciences	4	512	4489
	4.8%	4.3%	7.8%
Business, management, marketing	31	1588	8708
	37.3%	13.2%	15.2%
Communications/journalism	1	177	2137
	1.2%	1.5%	3.7%
Computer and information sciences	11	1142	4178
	13.3%	9.5%	7.3%
Education, including physical education	7	624	4028
	8.4%	5.2%	7.0%
Engineering and architecture	5	621	4710
	6.0%	5.2%	8.2%
Fine and performing arts	2	215	1602
	2.4%	1.8%	2.8%
Health sciences, including professional programs	8	3322	9294
	9.6%	27.6%	16.2%
Humanities	1	150	1400
	1.2%	1.2%	2.4%
Liberal arts/general studies	1	526	1988
	1.2%	4.4%	3.5%
Manufacturing, construction, repair, or transportation	0	369	536
	0.0%	3.1%	0.9%
Physical sciences, including mathematical sciences	1	84	1363
	1.2%	0.7%	2.4%
Public administration, legal, social, and protective services	1	386	1425
	1.2%	3.2%	2.5%
Social sciences	2	355	4487
	2.4%	2.9%	7.8%
Other major not described above	6	1297	4849
	7.2%	10.8%	8.5%
Undecided	1	460	1167
	1.2%	3.8%	2.0%
Total respondent count (Percentages sum to 100%)	83 100.0%	12047 100.0%	57370 100.0%

7.6. Part time or full time	De Anza College	AA institutions	All U.S. institutions
Part time	25	4703	9755
	30.1%	39.1%	17.0%
Full time	58	7326	47531
	69.9%	60.9%	83.0%
Total respondent count (Percentages sum to 100%)	83 100.0%	12029 100.0%	57286 100.0%

7.7. Ethnicity	De Anza College	AA institutions	All U.S. institutions
American Indian/Native American/Alaskan native	2	404	1397
	2.4%	3.4%	2.4%
Asian/Pacific Islander	46	952	6383
	55.4%	7.9%	11.1%
Black/African American	2	834	3742
	2.4%	6.9%	6.5%
Hispanic/Latino	11	1142	9468
	13.3%	9.5%	16.5%
White	22	8774	37664
	26.5%	72.9%	65.7%

7.7. Ethnicity	De Anza College	AA institutions	All U.S. institutions
Other	4	214	1204
	4.8%	1.8%	2.1%
Prefer not to answer	5	525	2232
	6.0%	4.4%	3.9%
Total respondent count	83	12041	57321

7.8. On/off campus	De Anza College	AA institutions	All U.S. institutions
On campus	3	336	16615
	3.6%	2.8%	29.0%
Off campus	80	11689	40647
	96.4%	97.2%	71.0%
Total respondent count (Percentages sum to 100%)	83	12025	57262
	100.0%	100.0%	100.0%

7.9. First person in immediate family to attend college	De Anza College	AA institutions	All U.S. institutions
No	61	8219	40776
	73.5%	68.3%	71.2%
Yes	20	3566	15510
	24.1%	29.6%	27.1%
Prefer not to answer	2	252	999
	2.4%	2.1%	1.7%
Total respondent count (Percentages sum to 100%)	83	12037	57285
	100.0%	100.0%	100.0%