

# ECAR Study of Students and Technology, 2016

## Appalachian State University Benchmarking Report

1.1. Age	Appalachian State University	MA public institutions	All U.S. institutions
18–24	1575	15032	44303
	94.1%	81.2%	76.3%
25 or older	99	3476	13743
	5.9%	18.8%	23.7%
Total respondent count (Percentages sum to 100%)	1674	18508	58046
	100.0%	100.0%	100.0%

1.2. Class standing	Appalachian State University	MA public institutions	All U.S. institutions
Freshman or first-year student	403	3788	14189
	24.1%	20.5%	24.4%
Sophomore or second-year student	380	3450	13266
	22.7%	18.6%	22.9%
Junior or third-year student	439	5008	13675
	26.2%	27.1%	23.6%
Senior or fourth-year student	362	4500	11473
	21.6%	24.3%	19.8%
Fifth-year student or beyond	60	1387	3177
	3.6%	7.5%	5.5%
Other type of undergraduate student	30	375	2266
	1.8%	2.0%	3.9%
Total respondent count (Percentages sum to 100%)	1674	18508	58046
	100.0%	100.0%	100.0%

2.1. Number of internet-capable devices owned	Appalachian State University	MA public institutions	All U.S. institutions
None	6	149	428
	0.4%	0.8%	0.7%
One	37	756	2254
	2.2%	4.1%	3.9%
Two	626	5750	17733
	37.4%	31.1%	30.6%
Three	559	6176	18939
	33.4%	33.4%	32.7%
Four	237	2956	9291
	14.2%	16.0%	16.0%
Five	89	1122	3760
	5.3%	6.1%	6.5%
	118	1567	5555

	<b>Six or more</b>			
		7.1%	8.5%	9.6%
	<b>Total respondent count</b>	1672	18476	57960
	<b>(Percentages sum to 100%)</b>	100.0%	100.0%	100.0%

<b>2.2a. Own: Laptop</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
	24	543	1704
<b>No, don't plan to purchase</b>	1.4%	3.0%	3.0%
	14	410	1226
<b>No, plan to purchase</b>	0.8%	2.2%	2.1%
	1632	17404	54714
<b>Yes, currently own</b>	97.7%	94.8%	94.9%
<b>Total respondent count</b>	1670	18357	57644
<b>(Percentages sum to 100%)</b>	100.0%	100.0%	100.0%

<b>2.2a. Own: Tablet</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
	762	6309	20200
<b>No, don't plan to purchase</b>	52.1%	38.7%	39.1%
	61	853	2506
<b>No, plan to purchase</b>	4.2%	5.2%	4.9%
	640	9156	28921
<b>Yes, currently own</b>	43.7%	56.1%	56.0%
<b>Total respondent count</b>	1463	16318	51627
<b>(Percentages sum to 100%)</b>	100.0%	100.0%	100.0%

<b>2.2a. Own: Smartphone</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
	28	454	1383
<b>No, don't plan to purchase</b>	1.7%	2.5%	2.4%
	11	180	524
<b>No, plan to purchase</b>	0.7%	1.0%	0.9%
	1625	17662	55404
<b>Yes, currently own</b>	97.7%	96.5%	96.7%
<b>Total respondent count</b>	1664	18296	57311
<b>(Percentages sum to 100%)</b>	100.0%	100.0%	100.0%

<b>2.2a. Own: Wearable technology</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
	906	9261	29358
<b>No, don't plan to purchase</b>	65.0%	61.6%	61.5%
	133	1572	4802
<b>No, plan to purchase</b>	9.5%	10.5%	10.1%
	354	4208	13551
<b>Yes, currently own</b>	25.4%	28.0%	28.4%
<b>Total respondent count</b>	1393	15041	47711
<b>(Percentages sum to 100%)</b>	100.0%	100.0%	100.0%

<b>2.2a. Own: Gaming devices</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
	747	7231	22656
<b>No, don't plan to purchase</b>	51.3%	45.2%	44.8%

<b>No, plan to purchase</b>	34	476	1336
	2.3%	3.0%	2.6%
<b>Yes, currently own</b>	675	8300	26587
	46.4%	51.9%	52.6%
<b>Total respondent count (Percentages sum to 100%)</b>	1456	16007	50579
	100.0%	100.0%	100.0%

<b>2.2a. Own: Streaming media devices</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>No, don't plan to purchase</b>	914	9363	29933
	64.6%	60.9%	61.5%
<b>No, plan to purchase</b>	68	851	2557
	4.8%	5.5%	5.3%
<b>Yes, currently own</b>	433	5161	16176
	30.6%	33.6%	33.2%
<b>Total respondent count (Percentages sum to 100%)</b>	1415	15375	48666
	100.0%	100.0%	100.0%

<b>2.2b. Laptop OS</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Windows</b>	849	10362	33136
	52.1%	59.6%	60.7%
<b>Mac or OS X</b>	724	6216	19004
	44.4%	35.8%	34.8%
<b>Chrome OS</b>	36	519	1505
	2.2%	3.0%	2.8%
<b>Linux</b>	14	92	421
	0.9%	0.5%	0.8%
<b>Other OS</b>	3	53	152
	0.2%	0.3%	0.3%
<b>Don't know</b>	5	136	400
	0.3%	0.8%	0.7%
<b>Total respondent count (Percentages sum to 100%)</b>	1631	17378	54618
	100.0%	100.0%	100.0%

<b>2.2b.1 Laptop touch screen</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>No</b>	1263	12680	40042
	77.4%	73.0%	73.3%
<b>Yes</b>	369	4691	14568
	22.6%	27.0%	26.7%
<b>Total respondent count (Percentages sum to 100%)</b>	1632	17371	54610
	100.0%	100.0%	100.0%

<b>2.2c. Tablet OS</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>iOS (iPad)</b>	331	4685	14144
	51.9%	51.3%	49.0%
<b>Windows OS</b>	70	1318	4306
	11.0%	14.4%	14.9%
<b>Android OS</b>	135	2103	7056
	21.2%	23.0%	24.4%

<b>Fire OS</b>	61	546	1847
	9.6%	6.0%	6.4%
<b>BlackBerry OS</b>	0	2	20
	0.0%	0.0%	0.1%
<b>Other OS</b>	14	100	335
	2.2%	1.1%	1.2%
<b>Don't know</b>	27	385	1169
	4.2%	4.2%	4.0%
<b>Total respondent count (Percentages sum to 100%)</b>	638	9139	28877
	100.0%	100.0%	100.0%

<b>2.2c.1 Tablet keyboard or docking station</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>No</b>	459	6115	19589
	72.1%	67.0%	67.9%
<b>Yes</b>	178	3013	9255
	27.9%	33.0%	32.1%
<b>Total respondent count (Percentages sum to 100%)</b>	637	9128	28844
	100.0%	100.0%	100.0%

<b>2.2d. Smartphone type</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>iPhone</b>	1129	10519	33012
	69.5%	59.6%	59.6%
<b>Android phone</b>	480	6688	20938
	29.6%	37.9%	37.8%
<b>Windows phone</b>	7	196	600
	0.4%	1.1%	1.1%
<b>BlackBerry phone</b>	1	13	58
	0.1%	0.1%	0.1%
<b>Other smartphone</b>	6	192	635
	0.4%	1.1%	1.1%
<b>Don't know</b>	1	36	101
	0.1%	0.2%	0.2%
<b>Total respondent count (Percentages sum to 100%)</b>	1624	17644	55344
	100.0%	100.0%	100.0%

<b>2.2e. Wearable type(s)</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Fitness device</b>	255	2491	8461
	72.6%	59.7%	62.9%
<b>Smart watch</b>	69	938	3030
	19.7%	22.5%	22.5%
<b>Headset</b>	63	1315	3884
	17.9%	31.5%	28.9%
<b>Other, please specify</b>	6	119	382
	1.7%	2.9%	2.8%
<b>Total respondent count</b>	351	4173	13460

<b>2.3. Device usage: Laptop</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Did not use at all</b>	31	587	2120

	1.9%	3.2%	3.7%
<b>Used for at least one course</b>	43	631	2004
	2.6%	3.4%	3.5%
<b>Used for about half of my courses</b>	66	1141	3217
	3.9%	6.2%	5.6%
<b>Used for most of my courses</b>	387	4187	11679
	23.2%	22.8%	20.2%
<b>Used for all my courses</b>	1144	11856	38723
	68.5%	64.4%	67.1%
<b>Total respondent count (Percentages sum to 100%)</b>	1671	18402	57743
	100.0%	100.0%	100.0%

<b>2.3. Device usage: Tablet</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Did not use at all</b>	1065	9713	32353
	69.8%	57.5%	60.8%
<b>Used for at least one course</b>	216	2478	7518
	14.2%	14.7%	14.1%
<b>Used for about half of my courses</b>	94	1538	4541
	6.2%	9.1%	8.5%
<b>Used for most of my courses</b>	80	1468	4028
	5.2%	8.7%	7.6%
<b>Used for all my courses</b>	70	1708	4762
	4.6%	10.1%	9.0%
<b>Total respondent count (Percentages sum to 100%)</b>	1525	16905	53202
	100.0%	100.0%	100.0%

<b>2.3. Device usage: Smartphone</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Did not use at all</b>	250	2807	10729
	15.2%	15.5%	18.9%
<b>Used for at least one course</b>	438	4004	13472
	26.6%	22.1%	23.7%
<b>Used for about half of my courses</b>	350	3449	10373
	21.3%	19.0%	18.3%
<b>Used for most of my courses</b>	302	3344	9507
	18.4%	18.4%	16.7%
<b>Used for all my courses</b>	305	4522	12689
	18.5%	24.9%	22.4%
<b>Total respondent count (Percentages sum to 100%)</b>	1645	18126	56770
	100.0%	100.0%	100.0%

<b>2.3. Device usage: Wearable technology</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Did not use at all</b>	1436	15257	48647
	95.0%	91.9%	93.2%
<b>Used for at least one course</b>	52	641	1807
	3.4%	3.9%	3.5%
<b>Used for about half of my courses</b>	5	249	633
	0.3%	1.5%	1.2%
<b>Used for most of my courses</b>	10	163	427
	0.7%	1.0%	0.8%

<b>Used for all my courses</b>	9	291	692
	0.6%	1.8%	1.3%
<b>Total respondent count (Percentages sum to 100%)</b>	1512	16601	52206
	100.0%	100.0%	100.0%

<b>2.4. Academic success: Laptop</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Not at all important</b>	8	58	164
	0.5%	0.3%	0.3%
<b>Not very important</b>	10	187	634
	0.6%	1.1%	1.2%
<b>Moderately important</b>	84	973	2865
	5.3%	5.6%	5.3%
<b>Very important</b>	287	3161	8961
	18.0%	18.1%	16.5%
<b>Extremely important</b>	1202	13086	41611
	75.5%	74.9%	76.7%
<b>Total respondent count (Percentages sum to 100%)</b>	1591	17465	54235
	100.0%	100.0%	100.0%

<b>2.4. Academic success: Tablet</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Not at all important</b>	50	359	1235
	10.9%	5.0%	6.0%
<b>Not very important</b>	153	1600	4833
	33.4%	22.4%	23.4%
<b>Moderately important</b>	157	2209	6522
	34.3%	30.9%	31.5%
<b>Very important</b>	48	1351	3796
	10.5%	18.9%	18.4%
<b>Extremely important</b>	50	1625	4292
	10.9%	22.7%	20.8%
<b>Total respondent count (Percentages sum to 100%)</b>	458	7144	20678
	100.0%	100.0%	100.0%

<b>2.4. Academic success: Smartphone</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Not at all important</b>	54	431	1487
	3.9%	2.8%	3.3%
<b>Not very important</b>	360	2636	8750
	26.0%	17.3%	19.2%
<b>Moderately important</b>	468	4720	14876
	33.8%	31.0%	32.6%
<b>Very important</b>	291	3308	9576
	21.0%	21.8%	21.0%
<b>Extremely important</b>	212	4108	10925
	15.3%	27.0%	24.0%
<b>Total respondent count (Percentages sum to 100%)</b>	1385	15203	45614
	100.0%	100.0%	100.0%

<b>2.4. Academic success: Wearable technology</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>

<b>Not at all important</b>	21	223	641
	27.6%	16.8%	18.3%
<b>Not very important</b>	26	442	1214
	34.2%	33.3%	34.6%
<b>Moderately important</b>	18	332	864
	23.7%	25.0%	24.6%
<b>Very important</b>	5	133	354
	6.6%	10.0%	10.1%
<b>Extremely important</b>	6	197	439
	7.9%	14.8%	12.5%
<b>Total respondent count (Percentages sum to 100%)</b>	76	1327	3512
	100.0%	100.0%	100.0%

<b>2.5. Handheld importance: Administrative</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Not at all important</b>	116	964	4130
	7.1%	5.4%	7.4%
<b>Not very important</b>	282	2283	8782
	17.2%	12.8%	15.6%
<b>Moderately important</b>	436	3918	13629
	26.6%	21.9%	24.3%
<b>Very important</b>	373	4108	12516
	22.7%	22.9%	22.3%
<b>Extremely important</b>	433	6629	17121
	26.4%	37.0%	30.5%
<b>Total respondent count (Percentages sum to 100%)</b>	1640	17902	56178
	100.0%	100.0%	100.0%

<b>2.5. Handheld importance: Academic</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Not at all important</b>	38	417	1825
	2.3%	2.3%	3.2%
<b>Not very important</b>	110	921	3711
	6.7%	5.1%	6.6%
<b>Moderately important</b>	360	3380	11786
	22.0%	18.9%	21.0%
<b>Very important</b>	515	5031	15875
	31.4%	28.1%	28.3%
<b>Extremely important</b>	616	8148	22981
	37.6%	45.5%	40.9%
<b>Total respondent count (Percentages sum to 100%)</b>	1639	17897	56178
	100.0%	100.0%	100.0%

<b>3.1. Overall technology experience</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Poor</b>	15	403	1241
	0.9%	2.2%	2.1%
<b>Fair</b>	66	1332	3682
	4.0%	7.2%	6.4%
<b>Neutral</b>	194	2593	7490
	11.6%	14.1%	12.9%
	985	9918	30701

<b>Good</b>	59.0%	53.7%	53.0%
	406	4116	14396
<b>Excellent</b>	24.3%	22.3%	24.9%
	4	91	411
<b>Don't know</b>	0.2%	0.5%	0.7%
	1670	18453	57921
<b>Total respondent count (Percentages sum to 100%)</b>	100.0%	100.0%	100.0%

<b>3.2. Wireless experience: Reliable access to Wi-Fi in student housing/dormitories</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Poor</b>	165	1785	5391
	9.9%	9.7%	9.3%
<b>Fair</b>	262	2031	5975
	15.7%	11.0%	10.4%
<b>Neutral</b>	251	2212	6869
	15.1%	12.0%	11.9%
<b>Good</b>	464	3585	11480
	27.9%	19.5%	19.9%
<b>Excellent</b>	184	1797	6083
	11.0%	9.8%	10.5%
<b>N/A</b>	340	6982	21881
	20.4%	38.0%	37.9%
<b>Total respondent count (Percentages sum to 100%)</b>	100.0%	100.0%	100.0%

<b>3.2. Wireless experience: Reliable access to Wi-Fi in campus libraries</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Poor</b>	32	894	2423
	1.9%	4.9%	4.2%
<b>Fair</b>	89	1623	4626
	5.3%	8.8%	8.0%
<b>Neutral</b>	152	1945	5907
	9.1%	10.6%	10.2%
<b>Good</b>	705	7090	21143
	42.3%	38.5%	36.6%
<b>Excellent</b>	646	5738	17657
	38.8%	31.2%	30.6%
<b>N/A</b>	42	1114	5968
	2.5%	6.1%	10.3%
<b>Total respondent count (Percentages sum to 100%)</b>	100.0%	100.0%	100.0%

<b>3.2. Wireless experience: Reliable access to Wi-Fi in classroom/instructional spaces</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Poor</b>	45	1129	3818
	2.7%	6.1%	6.6%
<b>Fair</b>	153	2350	7171
	9.2%	12.8%	12.4%
<b>Neutral</b>	216	2594	7830
	13.0%	14.1%	13.6%
<b>Good</b>	819	7388	22281



	49.2%	40.2%	38.6%
<b>Excellent</b>	419	4326	13358
	25.2%	23.5%	23.1%
<b>N/A</b>	14	606	3257
	0.8%	3.3%	5.6%
<b>Total respondent count (Percentages sum to 100%)</b>	1666	18393	57715
	100.0%	100.0%	100.0%

<b>3.2. Wireless experience: Ease of login to Wi-Fi network</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Poor</b>	203	1365	3964
	12.2%	7.4%	6.9%
<b>Fair</b>	270	2318	6794
	16.2%	12.6%	11.8%
<b>Neutral</b>	268	2765	8160
	16.1%	15.0%	14.1%
<b>Good</b>	602	6952	21078
	36.1%	37.8%	36.5%
<b>Excellent</b>	316	4474	14857
	18.9%	24.3%	25.7%
<b>N/A</b>	10	512	2849
	0.6%	2.8%	4.9%
<b>Total respondent count (Percentages sum to 100%)</b>	1669	18386	57702
	100.0%	100.0%	100.0%

<b>3.2. Wireless experience: Network performance</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Poor</b>	117	1911	5734
	7.0%	10.4%	9.9%
<b>Fair</b>	272	2997	9070
	16.3%	16.3%	15.7%
<b>Neutral</b>	333	3241	9794
	20.0%	17.6%	17.0%
<b>Good</b>	714	6631	20448
	42.9%	36.0%	35.4%
<b>Excellent</b>	224	3121	10003
	13.5%	17.0%	17.3%
<b>N/A</b>	5	495	2683
	0.3%	2.7%	4.6%
<b>Total respondent count (Percentages sum to 100%)</b>	1665	18396	57732
	100.0%	100.0%	100.0%

<b>3.3. Simultaneously connected devices</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>I don't visit campus.</b>	6	471	2649
	0.4%	2.6%	4.6%
<b>None</b>	9	240	1188
	0.5%	1.3%	2.1%
<b>One</b>	290	4270	14244
	17.3%	23.1%	24.6%
<b>Two</b>	1151	11091	33033
	68.8%	60.1%	57.0%

<b>Three</b>	163	1870	5199
	9.7%	10.1%	9.0%
<b>Four</b>	30	280	801
	1.8%	1.5%	1.4%
<b>Five</b>	10	66	208
	0.6%	0.4%	0.4%
<b>Six or more</b>	9	113	366
	0.5%	0.6%	0.6%
<b>Don't know</b>	4	52	218
	0.2%	0.3%	0.4%
<b>Total respondent count (Percentages sum to 100%)</b>	1672	18453	57906
	100.0%	100.0%	100.0%

<b>3.4. Time spent online: Online research/homework</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>None</b>	2	60	256
	0.1%	0.3%	0.4%
<b>Less than 1 hour</b>	110	1093	3413
	6.6%	5.9%	5.9%
<b>1–2 hours</b>	663	6242	19254
	39.8%	33.9%	33.3%
<b>3–4 hours</b>	672	7436	23649
	40.3%	40.4%	40.9%
<b>5–8 hours</b>	190	2690	8534
	11.4%	14.6%	14.8%
<b>More than 8 hours</b>	29	882	2660
	1.7%	4.8%	4.6%
<b>Total respondent count (Percentages sum to 100%)</b>	1666	18403	57766
	100.0%	100.0%	100.0%

<b>3.4. Time spent online: Social media</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>None</b>	84	1122	3984
	5.0%	6.1%	6.9%
<b>Less than 1 hour</b>	464	4619	15630
	27.8%	25.2%	27.1%
<b>1–2 hours</b>	695	6687	21641
	41.7%	36.4%	37.6%
<b>3–4 hours</b>	334	4146	11633
	20.0%	22.6%	20.2%
<b>5–8 hours</b>	72	1285	3403
	4.3%	7.0%	5.9%
<b>More than 8 hours</b>	19	494	1321
	1.1%	2.7%	2.3%
<b>Total respondent count (Percentages sum to 100%)</b>	1668	18353	57612
	100.0%	100.0%	100.0%

<b>3.4. Time spent online: Streaming video</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>None</b>	175	2755	8807
	10.5%	15.1%	15.4%
	522	5323	17713

<b>Less than 1 hour</b>	31.5%	29.1%	30.9%
	556	5564	17610
<b>1–2 hours</b>	33.5%	30.4%	30.7%
	322	3307	9563
<b>3–4 hours</b>	19.4%	18.1%	16.7%
	71	1015	2723
<b>5–8 hours</b>	4.3%	5.6%	4.7%
	13	313	913
<b>More than 8 hours</b>	0.8%	1.7%	1.6%
	1659	18277	57329
<b>Total respondent count (Percentages sum to 100%)</b>	100.0%	100.0%	100.0%

<b>3.4. Time spent online: Online gaming</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>None</b>	1063	11725	36653
	64.5%	64.4%	64.1%
<b>Less than 1 hour</b>	265	2969	9661
	16.1%	16.3%	16.9%
<b>1–2 hours</b>	190	2022	6403
	11.5%	11.1%	11.2%
<b>3–4 hours</b>	95	1037	3099
	5.8%	5.7%	5.4%
<b>5–8 hours</b>	26	311	888
	1.6%	1.7%	1.6%
<b>More than 8 hours</b>	10	153	442
	0.6%	0.8%	0.8%
<b>Total respondent count (Percentages sum to 100%)</b>	1649	18217	57146
	100.0%	100.0%	100.0%

<b>3.4. Time spent online: Other online activity</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>None</b>	298	3334	9824
	18.2%	18.4%	17.3%
<b>Less than 1 hour</b>	569	5676	18774
	34.8%	31.4%	33.0%
<b>1–2 hours</b>	563	5756	18493
	34.4%	31.8%	32.5%
<b>3–4 hours</b>	161	2282	6793
	9.8%	12.6%	12.0%
<b>5–8 hours</b>	31	686	1948
	1.9%	3.8%	3.4%
<b>More than 8 hours</b>	13	362	1003
	0.8%	2.0%	1.8%
<b>Total respondent count (Percentages sum to 100%)</b>	1635	18096	56835
	100.0%	100.0%	100.0%

<b>3.5. Notification usefulness: Guidance about courses you might consider taking</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Service not provided</b>	470	4600	14466
	28.2%	25.0%	25.1%
<b>Don't know</b>	322	3184	10384

	19.3%	17.3%	18.0%
<b>Not at all useful</b>	50	632	2139
	3.0%	3.4%	3.7%
<b>Not very useful</b>	107	1153	4104
	6.4%	6.3%	7.1%
<b>Moderately useful</b>	415	4413	13684
	24.9%	24.0%	23.7%
<b>Very useful</b>	224	2881	8608
	13.4%	15.7%	14.9%
<b>Extremely useful</b>	78	1505	4248
	4.7%	8.2%	7.4%
<b>Total respondent count (Percentages sum to 100%)</b>	1666	18368	57633
	100.0%	100.0%	100.0%

<b>3.5. Notification usefulness: Alerts if it appears your progress in a course is declining</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Service not provided</b>	522	4960	14992
	31.5%	27.0%	26.0%
<b>Don't know</b>	384	3736	12643
	23.2%	20.4%	21.9%
<b>Not at all useful</b>	43	502	1705
	2.6%	2.7%	3.0%
<b>Not very useful</b>	85	914	3060
	5.1%	5.0%	5.3%
<b>Moderately useful</b>	335	3413	10703
	20.2%	18.6%	18.6%
<b>Very useful</b>	211	3070	9441
	12.7%	16.7%	16.4%
<b>Extremely useful</b>	77	1757	5092
	4.6%	9.6%	8.8%
<b>Total respondent count (Percentages sum to 100%)</b>	1657	18352	57636
	100.0%	100.0%	100.0%

<b>3.5. Notification usefulness: Suggestions for how to improve performance</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Service not provided</b>	423	4365	13445
	25.5%	23.8%	23.3%
<b>Don't know</b>	394	3877	12967
	23.7%	21.1%	22.5%
<b>Not at all useful</b>	54	540	1797
	3.3%	2.9%	3.1%
<b>Not very useful</b>	123	1127	3720
	7.4%	6.1%	6.5%
<b>Moderately useful</b>	425	4368	13215
	25.6%	23.8%	22.9%
<b>Very useful</b>	176	2635	8343
	10.6%	14.4%	14.5%
<b>Extremely useful</b>	64	1434	4120
	3.9%	7.8%	7.2%
<b>Total respondent count (Percentages sum to 100%)</b>	1659	18346	57607
	100.0%	100.0%	100.0%

<b>3.5. Notification usefulness: Suggestions about new or different academic resources</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Service not provided</b>	201	2319	7070
	12.1%	12.6%	12.3%
<b>Don't know</b>	339	3463	11007
	20.4%	18.9%	19.1%
<b>Not at all useful</b>	64	591	2042
	3.9%	3.2%	3.5%
<b>Not very useful</b>	155	1472	5146
	9.3%	8.0%	8.9%
<b>Moderately useful</b>	616	6091	19049
	37.1%	33.2%	33.1%
<b>Very useful</b>	219	3033	9326
	13.2%	16.5%	16.2%
<b>Extremely useful</b>	65	1384	3988
	3.9%	7.5%	6.9%
<b>Total respondent count (Percentages sum to 100%)</b>	1659	18353	57628
	100.0%	100.0%	100.0%

<b>3.6. How many instructors ...have adequate technical skills for course instruction</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>None</b>	6	353	962
	0.4%	1.9%	1.7%
<b>Very few</b>	102	1778	4645
	6.1%	9.7%	8.1%
<b>Some</b>	395	4695	13376
	23.8%	25.5%	23.2%
<b>Most</b>	709	6562	19959
	42.6%	35.7%	34.6%
<b>Almost all</b>	320	3292	11393
	19.2%	17.9%	19.8%
<b>All</b>	131	1706	7290
	7.9%	9.3%	12.7%
<b>Total respondent count (Percentages sum to 100%)</b>	1663	18386	57625
	100.0%	100.0%	100.0%

<b>3.6. How many instructors ...use technology during class to maintain your attention</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>None</b>	85	1699	5241
	5.1%	9.2%	9.1%
<b>Very few</b>	295	3290	9613
	17.7%	17.9%	16.7%
<b>Some</b>	523	5276	16149
	31.4%	28.7%	28.0%
<b>Most</b>	429	4213	12797
	25.8%	22.9%	22.2%
<b>Almost all</b>	252	2576	8427
	15.1%	14.0%	14.6%
<b>All</b>	80	1329	5375
	4.8%	7.2%	9.3%
<b>Total respondent count (Percentages sum to 100%)</b>	1664	18383	57602
	100.0%	100.0%	100.0%

<b>3.6. How many instructors ...use technology during class to make connections to the learning material</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>None</b>	18	719	2208
	1.1%	3.9%	3.8%
<b>Very few</b>	175	2436	6781
	10.5%	13.3%	11.8%
<b>Some</b>	429	4926	14969
	25.8%	26.8%	26.0%
<b>Most</b>	578	5062	15255
	34.7%	27.5%	26.5%
<b>Almost all</b>	353	3495	11334
	21.2%	19.0%	19.7%
<b>All</b>	112	1746	7101
	6.7%	9.5%	12.3%
<b>Total respondent count (Percentages sum to 100%)</b>	1665	18384	57648
	100.0%	100.0%	100.0%

<b>3.6. How many instructors ...encourage you to use your own technology devices during class to deepen learning</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>None</b>	164	2417	7959
	9.8%	13.2%	13.8%
<b>Very few</b>	553	5695	16229
	33.2%	31.0%	28.2%
<b>Some</b>	539	5071	15506
	32.4%	27.6%	26.9%
<b>Most</b>	263	2772	8730
	15.8%	15.1%	15.2%
<b>Almost all</b>	116	1562	5444
	7.0%	8.5%	9.4%
<b>All</b>	31	855	3742
	1.9%	4.7%	6.5%
<b>Total respondent count (Percentages sum to 100%)</b>	1666	18372	57610
	100.0%	100.0%	100.0%

<b>3.6. How many instructors ...encourage you to use online collaboration tools to communicate/collaborate</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>None</b>	49	797	2560
	2.9%	4.3%	4.4%
<b>Very few</b>	232	2724	7998
	13.9%	14.8%	13.9%
<b>Some</b>	493	5223	15703
	29.6%	28.4%	27.2%
<b>Most</b>	508	4842	14558
	30.5%	26.3%	25.2%
<b>Almost all</b>	286	3108	9938
	17.2%	16.9%	17.2%
<b>All</b>	96	1690	6911
	5.8%	9.2%	12.0%
<b>Total respondent count (Percentages sum to 100%)</b>	1664	18384	57668
	100.0%	100.0%	100.0%

<b>3.6. How many instructors ...encourage you to use technology for creative or critical thinking tasks</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>None</b>	64	1260	3983
	3.8%	6.9%	6.9%
<b>Very few</b>	304	3572	10280
	18.3%	19.5%	17.9%
<b>Some</b>	543	5706	17412
	32.6%	31.1%	30.2%
<b>Most</b>	453	4196	12826
	27.2%	22.9%	22.3%
<b>Almost all</b>	224	2381	7987
	13.5%	13.0%	13.9%
<b>All</b>	77	1238	5097
	4.6%	6.7%	8.9%
<b>Total respondent count (Percentages sum to 100%)</b>	1665	18353	57585
	100.0%	100.0%	100.0%

<b>3.7. Wish instructors used: LMS</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	484	2345	8259
	29.1%	12.8%	14.3%
<b>(Less) 1</b>	228	1248	3781
	13.7%	6.8%	6.6%
<b>2</b>	148	1444	4293
	8.9%	7.9%	7.5%
<b>3</b>	398	4848	16617
	23.9%	26.4%	28.9%
<b>4</b>	225	3722	11403
	13.5%	20.3%	19.8%
<b>(More) 5</b>	180	4761	13235
	10.8%	25.9%	23.0%
<b>Total respondent count (Percentages sum to 100%)</b>	1663	18368	57588
	100.0%	100.0%	100.0%

<b>3.7. Wish instructors used: Online collaboration tools</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	233	2387	8203
	14.1%	13.0%	14.3%
<b>(Less) 1</b>	153	1778	5566
	9.2%	9.7%	9.7%
<b>2</b>	214	2295	7011
	12.9%	12.5%	12.2%
<b>3</b>	587	5516	18028
	35.4%	30.1%	31.4%
<b>4</b>	322	3564	10921
	19.4%	19.5%	19.0%
<b>(More) 5</b>	147	2780	7737
	8.9%	15.2%	13.5%
<b>Total respondent count (Percentages sum to 100%)</b>	1656	18320	57466
	100.0%	100.0%	100.0%

<b>3.7. Wish instructors used: E-portfolios</b>	<b>Appalachian State</b>		

	University	MA public institutions	All U.S. institutions
Don't know	526	7228	24741
	31.7%	39.5%	43.1%
(Less) 1	431	3444	10151
	26.0%	18.8%	17.7%
2	227	2097	6030
	13.7%	11.5%	10.5%
3	297	3160	9593
	17.9%	17.3%	16.7%
4	124	1291	3890
	7.5%	7.1%	6.8%
(More) 5	54	1061	2933
	3.3%	5.8%	5.1%
Total respondent count (Percentages sum to 100%)	1659	18281	57338
	100.0%	100.0%	100.0%

3.7. Wish instructors used: E-books or e-textbooks	Appalachian State University	MA public institutions	All U.S. institutions
Don't know	207	2347	7645
	12.5%	12.8%	13.3%
(Less) 1	343	3938	12152
	20.7%	21.5%	21.2%
2	233	2177	6682
	14.1%	11.9%	11.6%
3	329	3521	11438
	19.9%	19.3%	19.9%
4	251	2548	8256
	15.2%	13.9%	14.4%
(More) 5	292	3751	11211
	17.6%	20.5%	19.5%
Total respondent count (Percentages sum to 100%)	1655	18282	57384
	100.0%	100.0%	100.0%

3.7. Wish instructors used: Freely available content beyond your campus	Appalachian State University	MA public institutions	All U.S. institutions
Don't know	142	1676	5812
	8.6%	9.2%	10.1%
(Less) 1	119	1367	4130
	7.2%	7.5%	7.2%
2	138	1420	4380
	8.3%	7.8%	7.6%
3	422	3741	11805
	25.5%	20.4%	20.6%
4	438	4138	13382
	26.4%	22.6%	23.3%
(More) 5	397	5963	17913
	24.0%	32.6%	31.2%
Total respondent count (Percentages sum to 100%)	1656	18305	57422
	100.0%	100.0%	100.0%

3.7. Wish instructors used: Simulations or educational games	Appalachian State University	MA public institutions	All U.S. institutions
--	------------------------------	------------------------	-----------------------



<b>Don't know</b>	233	2817	9312
	14.1%	15.4%	16.2%
<b>(Less) 1</b>	239	2418	7342
	14.5%	13.2%	12.8%
<b>2</b>	148	1600	4995
	9.0%	8.8%	8.7%
<b>3</b>	387	3799	12014
	23.5%	20.8%	20.9%
<b>4</b>	354	3572	11674
	21.5%	19.5%	20.3%
<b>(More) 5</b>	289	4075	12059
	17.5%	22.3%	21.0%
<b>Total respondent count (Percentages sum to 100%)</b>	1650	18281	57396
	100.0%	100.0%	100.0%

<b>3.7. Wish instructors used: Recorded lectures or lecture capture</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	157	1746	5745
	9.5%	9.5%	10.0%
<b>(Less) 1</b>	168	1662	4847
	10.2%	9.1%	8.4%
<b>2</b>	125	1343	4005
	7.6%	7.3%	7.0%
<b>3</b>	299	3180	9951
	18.1%	17.4%	17.3%
<b>4</b>	383	3737	12033
	23.2%	20.4%	21.0%
<b>(More) 5</b>	521	6623	20807
	31.5%	36.2%	36.3%
<b>Total respondent count (Percentages sum to 100%)</b>	1653	18291	57388
	100.0%	100.0%	100.0%

<b>3.7. Wish instructors used: Social media as a learning tool</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	282	3100	10712
	17.1%	16.9%	18.7%
<b>(Less) 1</b>	398	3841	12593
	24.1%	21.0%	21.9%
<b>2</b>	232	2404	7465
	14.1%	13.1%	13.0%
<b>3</b>	397	4276	13329
	24.0%	23.4%	23.2%
<b>4</b>	222	2518	7531
	13.4%	13.8%	13.1%
<b>(More) 5</b>	120	2165	5793
	7.3%	11.8%	10.1%
<b>Total respondent count (Percentages sum to 100%)</b>	1651	18304	57423
	100.0%	100.0%	100.0%

<b>3.7. Wish instructors used: Non-keyboard or non-mouse interfaces</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
	510	5440	18143

<b>Don't know</b>	30.9%	29.7%	31.6%
<b>(Less) 1</b>	331	3308	10564
	20.0%	18.1%	18.4%
<b>2</b>	219	2392	7243
	13.3%	13.1%	12.6%
<b>3</b>	376	4046	12561
	22.8%	22.1%	21.9%
<b>4</b>	145	1736	5094
	8.8%	9.5%	8.9%
<b>(More) 5</b>	71	1369	3757
	4.3%	7.5%	6.5%
<b>Total respondent count (Percentages sum to 100%)</b>	1652	18291	57362
	100.0%	100.0%	100.0%

<b>3.7. Wish instructors used: Software to create videos or multimedia resources</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	352	4160	14012
	21.3%	22.8%	24.5%
<b>(Less) 1</b>	246	2646	8202
	14.9%	14.5%	14.3%
<b>2</b>	231	2301	7176
	14.0%	12.6%	12.5%
<b>3</b>	478	4702	14683
	29.0%	25.8%	25.6%
<b>4</b>	244	2601	7986
	14.8%	14.3%	13.9%
<b>(More) 5</b>	99	1842	5223
	6.0%	10.1%	9.1%
<b>Total respondent count (Percentages sum to 100%)</b>	1650	18252	57282
	100.0%	100.0%	100.0%

<b>3.7. Wish instructors used: Early-alert systems</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	268	2722	9652
	16.2%	14.9%	16.9%
<b>(Less) 1</b>	175	1634	4928
	10.6%	8.9%	8.6%
<b>2</b>	117	1313	4151
	7.1%	7.2%	7.2%
<b>3</b>	352	3749	12041
	21.3%	20.5%	21.0%
<b>4</b>	375	3825	12271
	22.7%	20.9%	21.4%
<b>(More) 5</b>	363	5025	14235
	22.0%	27.5%	24.9%
<b>Total respondent count (Percentages sum to 100%)</b>	1650	18268	57278
	100.0%	100.0%	100.0%

<b>3.7. Wish instructors used: Search tools to find references or other information online for class work</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	159	1784	6150

	9.6%	9.8%	10.7%
(Less) 1	111	1186	3534
	6.7%	6.5%	6.2%
2	126	1393	4332
	7.6%	7.6%	7.6%
3	445	4448	14691
	27.0%	24.4%	25.7%
4	496	4865	15444
	30.1%	26.6%	27.0%
(More) 5	313	4582	13072
	19.0%	25.1%	22.8%
<b>Total respondent count</b> <b>(Percentages sum to 100%)</b>	1650	18258	57223
	100.0%	100.0%	100.0%

<b>3.7. Wish instructors used: Publisher electronic resources</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
Don't know	118	1396	4920
	7.1%	7.6%	8.6%
(Less) 1	126	1445	4563
	7.6%	7.9%	8.0%
2	158	1588	4886
	9.6%	8.7%	8.5%
3	454	4207	13787
	27.5%	23.0%	24.1%
4	436	4517	14328
	26.4%	24.7%	25.0%
(More) 5	360	5114	14759
	21.8%	28.0%	25.8%
<b>Total respondent count</b> <b>(Percentages sum to 100%)</b>	1652	18267	57243
	100.0%	100.0%	100.0%

<b>3.7. Wish instructors used: In-class polling tools</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
Don't know	186	2865	9724
	11.2%	15.6%	16.9%
(Less) 1	281	2998	9090
	16.9%	16.3%	15.8%
2	211	2064	6536
	12.7%	11.2%	11.3%
3	450	4106	13318
	27.1%	22.3%	23.1%
4	308	3204	10079
	18.5%	17.4%	17.5%
(More) 5	225	3139	8878
	13.5%	17.1%	15.4%
<b>Total respondent count</b> <b>(Percentages sum to 100%)</b>	1661	18376	57625
	100.0%	100.0%	100.0%

<b>4.1. Preferred learning environment</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
No online components	125	1655	5249
	7.5%	9.0%	9.1%

<b>Some online components</b>	1203	11369	35007
	72.2%	61.8%	60.6%
<b>Mostly but not completely online</b>	218	2865	8801
	13.1%	15.6%	15.2%
<b>Completely online</b>	35	964	3753
	2.1%	5.2%	6.5%
<b>No preference</b>	86	1547	4920
	5.2%	8.4%	8.5%
<b>Total respondent count (Percentages sum to 100%)</b>	1667	18400	57730
	100.0%	100.0%	100.0%

<b>4.2. Courses taken by mode</b>		<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Completely online, no face-to-face components</b>	<b>Mean</b>	0.6	1.1	1.3
	<b>SD</b>	1.2	2.1	2.4
	<b>N</b>	1652	18264	57300
<b>Mostly online, some face-to-face components</b>	<b>Mean</b>	0.3	0.4	0.4
	<b>SD</b>	0.8	1.2	1.3
	<b>N</b>	1652	18264	57300
<b>About half online and half face-to-face</b>	<b>Mean</b>	0.7	0.7	0.7
	<b>SD</b>	1.7	1.5	1.6
	<b>N</b>	1652	18264	57300
<b>Some online components, mostly face-to-face</b>	<b>Mean</b>	5.0	3.5	3.5
	<b>SD</b>	5.1	4.3	4.3
	<b>N</b>	1652	18264	57300
<b>No online components, completely face-to-face</b>	<b>Mean</b>	3.3	3.9	3.3
	<b>SD</b>	4.2	5.3	4.8
	<b>N</b>	1652	18264	57300
<b>Total courses</b>	<b>Mean</b>	9.9	9.6	9.2
	<b>SD</b>	5.4	6.5	6.1
	<b>N</b>	1652	18264	57300

<b>4.3. Would include on résumé</b>		<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Undergraduate degree/diploma</b>	1592	17091	53249	
	96.6%	93.8%	93.1%	
<b>Certificate from an accredited college or university</b>	790	8045	25790	
	47.9%	44.1%	45.1%	
<b>Certificate from an industry-based training program</b>	499	4967	16126	
	30.3%	27.3%	28.2%	
<b>Certificate of completion of free course</b>	346	3821	11073	
	21.0%	21.0%	19.4%	
<b>Digital badge</b>	377	3290	9716	
	22.9%	18.1%	17.0%	
<b>E-portfolio</b>	558	4573	12991	
	33.9%	25.1%	22.7%	
<b>Jobs worked during college</b>	1345	13166	40432	
	81.6%	72.2%	70.7%	
<b>Major projects completed during course work</b>	931	9148	27596	
	56.5%	50.2%	48.2%	
<b>Volunteering/community service</b>	1278	13097	39307	
	77.5%	71.9%	68.7%	

Other, please specify	136	1171	3568
	8.3%	6.4%	6.2%
<b>Total respondent count</b>	<b>1648</b>	<b>18227</b>	<b>57204</b>

<b>4.4. I get more actively involved in courses that use technology.</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
Don't know	39	487	1597
	2.4%	2.7%	2.8%
Strongly disagree	91	861	2700
	5.5%	4.7%	4.7%
Disagree	231	2293	7466
	14.0%	12.6%	13.0%
Neutral	581	6679	20548
	35.2%	36.6%	35.8%
Agree	550	5817	18535
	33.3%	31.9%	32.3%
Strongly agree	158	2113	6491
	9.6%	11.6%	11.3%
<b>Total respondent count (Percentages sum to 100%)</b>	<b>1650</b>	<b>18250</b>	<b>57337</b>
	100.0%	100.0%	100.0%

<b>4.4. I am more likely to skip classes when streamed or recorded lectures are available online.</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
Don't know	102	1050	3569
	6.2%	5.7%	6.2%
Strongly disagree	214	3468	11331
	12.9%	19.0%	19.7%
Disagree	352	4260	13561
	21.3%	23.3%	23.6%
Neutral	339	3586	10551
	20.5%	19.6%	18.4%
Agree	490	4321	13398
	29.6%	23.6%	23.3%
Strongly agree	156	1594	4997
	9.4%	8.7%	8.7%
<b>Total respondent count (Percentages sum to 100%)</b>	<b>1653</b>	<b>18279</b>	<b>57407</b>
	100.0%	100.0%	100.0%

<b>4.4. I am more likely to skip classes when materials presented in class are available online.</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
Don't know	38	569	1976
	2.3%	3.1%	3.4%
Strongly disagree	263	3795	12380
	15.9%	20.8%	21.6%
Disagree	395	4743	15041
	23.9%	26.0%	26.2%
Neutral	320	3774	11115
	19.3%	20.7%	19.4%
Agree	504	4083	12797
	30.5%	22.3%	22.3%
Strongly agree	134	1312	4070
	8.1%	7.2%	7.1%

<b>Total respondent count</b>	1654	18276	57379
<b>(Percentages sum to 100%)</b>	100.0%	100.0%	100.0%

<b>4.4. I entered college adequately prepared to use technology needed in my courses.</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	24	290	939
	1.5%	1.6%	1.6%
<b>Strongly disagree</b>	44	661	2164
	2.7%	3.6%	3.8%
<b>Disagree</b>	127	1792	5454
	7.7%	9.8%	9.5%
<b>Neutral</b>	295	3716	10855
	17.8%	20.3%	18.9%
<b>Agree</b>	800	7791	24463
	48.4%	42.6%	42.6%
<b>Strongly agree</b>	364	4030	13511
	22.0%	22.0%	23.5%
<b>Total respondent count</b>	1654	18280	57386
<b>(Percentages sum to 100%)</b>	100.0%	100.0%	100.0%

<b>4.4. I am concerned that technology advances may increasingly invade my privacy.</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	54	730	2247
	3.3%	4.0%	3.9%
<b>Strongly disagree</b>	161	1928	6528
	9.7%	10.5%	11.4%
<b>Disagree</b>	364	3844	12720
	22.0%	21.0%	22.2%
<b>Neutral</b>	469	5218	15748
	28.4%	28.5%	27.5%
<b>Agree</b>	437	4617	14383
	26.4%	25.3%	25.1%
<b>Strongly agree</b>	169	1943	5738
	10.2%	10.6%	10.0%
<b>Total respondent count</b>	1654	18280	57364
<b>(Percentages sum to 100%)</b>	100.0%	100.0%	100.0%

<b>4.4. I wish I'd been better prepared to use institution-specific technology.</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	52	625	2077
	3.1%	3.4%	3.6%
<b>Strongly disagree</b>	152	1701	6055
	9.2%	9.3%	10.6%
<b>Disagree</b>	321	3180	11215
	19.4%	17.4%	19.5%
<b>Neutral</b>	450	5082	15907
	27.2%	27.8%	27.7%
<b>Agree</b>	492	5246	15704
	29.8%	28.7%	27.4%
<b>Strongly agree</b>	186	2452	6435
	11.3%	13.4%	11.2%
<b>Total respondent count</b>	1653	18286	57393

(Percentages sum to 100%)	100.0%	100.0%	100.0%
<b>4.4. I wish I'd been better prepared to use basic software.</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	51	585	1863
	3.1%	3.2%	3.2%
<b>Strongly disagree</b>	325	3156	11111
	19.6%	17.3%	19.4%
<b>Disagree</b>	455	4381	14873
	27.5%	24.0%	25.9%
<b>Neutral</b>	439	4942	14533
	26.5%	27.0%	25.3%
<b>Agree</b>	316	3753	10974
	19.1%	20.5%	19.1%
<b>Strongly agree</b>	68	1453	4002
	4.1%	8.0%	7.0%
<b>Total respondent count (Percentages sum to 100%)</b>	1654	18270	57356
	100.0%	100.0%	100.0%

<b>5.1. Physical or learning disability that requires accessible or adaptive technologies</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>No</b>	1562	17087	53152
	93.5%	92.8%	92.1%
<b>Yes, I have one or more physical disabilities.</b>	13	271	912
	0.8%	1.5%	1.6%
<b>Yes, I have one or more learning disabilities.</b>	54	503	1867
	3.2%	2.7%	3.2%
<b>Yes, I have both physical and learning disabilities.</b>	8	91	374
	0.5%	0.5%	0.6%
<b>Prefer not to answer</b>	33	451	1418
	2.0%	2.5%	2.5%
<b>Total respondent count (Percentages sum to 100%)</b>	1670	18403	57723
	100.0%	100.0%	100.0%

<b>5.2a. Institution awareness of needed accessible or adaptive technologies</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>My institution is not aware of my needs.</b>	9	119	457
	12.2%	13.9%	14.6%
<b>Poor</b>	7	109	359
	9.5%	12.7%	11.5%
<b>Fair</b>	12	149	499
	16.2%	17.4%	15.9%
<b>Neutral</b>	14	126	486
	18.9%	14.7%	15.5%
<b>Good</b>	21	192	716
	28.4%	22.4%	22.8%
<b>Excellent</b>	7	126	523
	9.5%	14.7%	16.7%
<b>Don't know</b>	4	35	94
	5.4%	4.1%	3.0%
<b>Total respondent count (Percentages sum to 100%)</b>	74	856	3134
	100.0%	100.0%	100.0%

<b>5.2b. Institution support of needed accessible or adaptive technologies</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>I am not provided with the technologies I need.</b>	6	59	264
	8.0%	6.9%	8.4%
<b>Poor</b>	8	102	292
	10.7%	11.8%	9.3%
<b>Fair</b>	10	135	455
	13.3%	15.7%	14.5%
<b>Neutral</b>	19	161	595
	25.3%	18.7%	18.9%
<b>Good</b>	19	199	791
	25.3%	23.1%	25.2%
<b>Excellent</b>	6	142	531
	8.0%	16.5%	16.9%
<b>Don't know</b>	7	63	213
	9.3%	7.3%	6.8%
<b>Total respondent count (Percentages sum to 100%)</b>	75	861	3141
	100.0%	100.0%	100.0%

<b>6.1. Technology helped me ...engage in the learning process</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	39	422	1335
	2.4%	2.3%	2.4%
<b>Strongly disagree</b>	25	284	1031
	1.5%	1.6%	1.8%
<b>Disagree</b>	66	782	2579
	4.1%	4.3%	4.5%
<b>Neutral</b>	355	4096	12487
	21.8%	22.7%	22.0%
<b>Agree</b>	919	9280	29192
	56.5%	51.4%	51.5%
<b>Strongly agree</b>	222	3197	10109
	13.7%	17.7%	17.8%
<b>Total respondent count (Percentages sum to 100%)</b>	1626	18061	56733
	100.0%	100.0%	100.0%

<b>6.1. Technology helped me ...develop a personal relationship with my instructors</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	54	631	1924
	3.3%	3.5%	3.4%
<b>Strongly disagree</b>	99	1303	4541
	6.1%	7.2%	8.0%
<b>Disagree</b>	308	3310	11348
	18.9%	18.3%	20.0%
<b>Neutral</b>	557	6238	18997
	34.2%	34.5%	33.4%
<b>Agree</b>	506	5037	15257
	31.1%	27.8%	26.9%
<b>Strongly agree</b>	103	1573	4727
	6.3%	8.7%	8.3%
<b>Total respondent count</b>	1627	18092	56794



(Percentages sum to 100%)	100.0%	100.0%	100.0%
<b>6.1. Technology helped me ...ask my instructors questions</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
Don't know	32	321	997
	2.0%	1.8%	1.8%
Strongly disagree	19	253	990
	1.2%	1.4%	1.7%
Disagree	42	701	2345
	2.6%	3.9%	4.1%
Neutral	194	2718	8123
	11.9%	15.0%	14.3%
Agree	927	9223	29070
	57.1%	51.0%	51.2%
Strongly agree	410	4868	15240
	25.2%	26.9%	26.8%
<b>Total respondent count (Percentages sum to 100%)</b>	<b>1624</b>	<b>18084</b>	<b>56765</b>
	100.0%	100.0%	100.0%

<b>6.1. Technology helped me ...discuss course topics with my instructors</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
Don't know	52	529	1649
	3.2%	2.9%	2.9%
Strongly disagree	36	490	1702
	2.2%	2.7%	3.0%
Disagree	117	1516	5136
	7.2%	8.4%	9.0%
Neutral	371	4579	14022
	22.9%	25.3%	24.7%
Agree	842	8162	25708
	51.9%	45.1%	45.3%
Strongly agree	205	2810	8549
	12.6%	15.5%	15.1%
<b>Total respondent count (Percentages sum to 100%)</b>	<b>1623</b>	<b>18086</b>	<b>56766</b>
	100.0%	100.0%	100.0%

<b>6.1. Technology helped me ...understand my instructors' expectations</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
Don't know	29	364	1185
	1.8%	2.0%	2.1%
Strongly disagree	27	429	1373
	1.7%	2.4%	2.4%
Disagree	88	1134	3636
	5.4%	6.3%	6.4%
Neutral	309	4088	12188
	19.0%	22.6%	21.5%
Agree	912	8845	28073
	56.0%	48.9%	49.4%
Strongly agree	263	3237	10327
	16.2%	17.9%	18.2%
<b>Total respondent count (Percentages sum to 100%)</b>	<b>1628</b>	<b>18097</b>	<b>56782</b>
	100.0%	100.0%	100.0%

<b>6.1. Technology helped me ...view my instructors as approachable</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	50	487	1535
	3.1%	2.7%	2.7%
<b>Strongly disagree</b>	48	578	2057
	2.9%	3.2%	3.6%
<b>Disagree</b>	121	1436	5121
	7.4%	7.9%	9.0%
<b>Neutral</b>	413	4803	15016
	25.4%	26.5%	26.4%
<b>Agree</b>	782	7870	24074
	48.0%	43.5%	42.4%
<b>Strongly agree</b>	215	2920	8983
	13.2%	16.1%	15.8%
<b>Total respondent count (Percentages sum to 100%)</b>	1629	18094	56786
	100.0%	100.0%	100.0%

<b>6.1. Technology helped me ...get feedback from instructors in a timely manner</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	29	320	1028
	1.8%	1.8%	1.8%
<b>Strongly disagree</b>	30	459	1389
	1.8%	2.5%	2.4%
<b>Disagree</b>	86	996	3179
	5.3%	5.5%	5.6%
<b>Neutral</b>	260	3328	9711
	16.0%	18.4%	17.1%
<b>Agree</b>	843	8828	28107
	51.7%	48.8%	49.5%
<b>Strongly agree</b>	382	4166	13384
	23.4%	23.0%	23.6%
<b>Total respondent count (Percentages sum to 100%)</b>	1630	18097	56798
	100.0%	100.0%	100.0%

<b>6.1. Technology helped me ...develop a personal relationship with other students</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	48	644	2118
	2.9%	3.6%	3.7%
<b>Strongly disagree</b>	138	1439	5167
	8.5%	8.0%	9.1%
<b>Disagree</b>	359	3259	11670
	22.1%	18.0%	20.6%
<b>Neutral</b>	516	5758	17698
	31.7%	31.8%	31.2%
<b>Agree</b>	468	5256	15212
	28.7%	29.0%	26.8%
<b>Strongly agree</b>	99	1742	4919
	6.1%	9.6%	8.7%
<b>Total respondent count (Percentages sum to 100%)</b>	1628	18098	56784
	100.0%	100.0%	100.0%

<b>6.1. Technology helped me ...ask other students questions</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	59	573	1849
	3.6%	3.2%	3.3%
<b>Strongly disagree</b>	53	635	2218
	3.2%	3.5%	3.9%
<b>Disagree</b>	184	1569	5711
	11.3%	8.7%	10.1%
<b>Neutral</b>	364	4130	13193
	22.3%	22.8%	23.2%
<b>Agree</b>	762	8148	24939
	46.7%	45.1%	43.9%
<b>Strongly agree</b>	209	3024	8872
	12.8%	16.7%	15.6%
<b>Total respondent count (Percentages sum to 100%)</b>	1631	18079	56782
	100.0%	100.0%	100.0%

<b>6.1. Technology helped me ...discuss course topics with other students</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	49	528	1788
	3.0%	2.9%	3.2%
<b>Strongly disagree</b>	44	607	2126
	2.7%	3.4%	3.7%
<b>Disagree</b>	162	1591	5580
	10.0%	8.8%	9.8%
<b>Neutral</b>	406	4291	13699
	25.0%	23.7%	24.1%
<b>Agree</b>	794	8235	25177
	48.8%	45.5%	44.4%
<b>Strongly agree</b>	172	2833	8384
	10.6%	15.7%	14.8%
<b>Total respondent count (Percentages sum to 100%)</b>	1627	18085	56754
	100.0%	100.0%	100.0%

<b>6.1. Technology helped me ...view other students as approachable</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	64	750	2450
	3.9%	4.2%	4.3%
<b>Strongly disagree</b>	78	888	3152
	4.8%	4.9%	5.6%
<b>Disagree</b>	244	2151	7890
	15.0%	11.9%	13.9%
<b>Neutral</b>	520	5810	18304
	32.0%	32.2%	32.3%
<b>Agree</b>	574	6367	19044
	35.3%	35.2%	33.6%
<b>Strongly agree</b>	145	2099	5902
	8.9%	11.6%	10.4%
<b>Total respondent count (Percentages sum to 100%)</b>	1625	18065	56742
	100.0%	100.0%	100.0%

<b>6.1. Technology helped me ...get feedback from other</b>	<b>Appalachian State</b>		

students in a timely manner	University	MA public institutions	All U.S. institutions
Don't know	69	748	2628
	4.2%	4.1%	4.6%
Strongly disagree	71	686	2344
	4.3%	3.8%	4.1%
Disagree	163	1718	5833
	10.0%	9.5%	10.3%
Neutral	409	4680	14714
	25.0%	25.8%	25.9%
Agree	740	7609	23333
	45.3%	42.0%	41.1%
Strongly agree	182	2670	7971
	11.1%	14.7%	14.0%
<b>Total respondent count (Percentages sum to 100%)</b>	1634	18111	56823
	100.0%	100.0%	100.0%

6.1. Technology helped me ...participate in group activities	Appalachian State University	MA public institutions	All U.S. institutions
Don't know	37	509	1745
	2.3%	2.8%	3.1%
Strongly disagree	29	584	2014
	1.8%	3.2%	3.5%
Disagree	98	1250	4699
	6.0%	6.9%	8.3%
Neutral	291	3715	12154
	17.8%	20.5%	21.4%
Agree	866	8396	25702
	53.1%	46.4%	45.3%
Strongly agree	311	3624	10434
	19.1%	20.0%	18.4%
<b>Total respondent count (Percentages sum to 100%)</b>	1632	18078	56748
	100.0%	100.0%	100.0%

6.1. Technology helped me ...explain course ideas or concepts to other students	Appalachian State University	MA public institutions	All U.S. institutions
Don't know	71	722	2445
	4.4%	4.0%	4.3%
Strongly disagree	53	603	2123
	3.3%	3.3%	3.7%
Disagree	183	1806	6223
	11.2%	10.0%	11.0%
Neutral	488	5137	16364
	29.9%	28.4%	28.8%
Agree	690	7417	22594
	42.3%	41.0%	39.8%
Strongly agree	145	2395	7019
	8.9%	13.2%	12.4%
<b>Total respondent count (Percentages sum to 100%)</b>	1630	18080	56768
	100.0%	100.0%	100.0%

6.1. Technology helped me ...work with other students on class projects	Appalachian State University	MA public institutions	All U.S. institutions
---	------------------------------	------------------------	-----------------------

<b>Don't know</b>	39	454	1897
	2.4%	2.5%	3.3%
<b>Strongly disagree</b>	23	476	1788
	1.4%	2.6%	3.1%
<b>Disagree</b>	73	961	3754
	4.5%	5.3%	6.6%
<b>Neutral</b>	211	2962	10130
	13.0%	16.4%	17.8%
<b>Agree</b>	858	8461	25619
	52.7%	46.8%	45.1%
<b>Strongly agree</b>	423	4770	13591
	26.0%	26.4%	23.9%
<b>Total respondent count (Percentages sum to 100%)</b>	1627	18084	56779
	100.0%	100.0%	100.0%

<b>6.1. Technology helped me ...learn something from other students</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	54	586	1913
	3.3%	3.2%	3.4%
<b>Strongly disagree</b>	57	654	2364
	3.5%	3.6%	4.2%
<b>Disagree</b>	179	1940	6404
	11.0%	10.7%	11.3%
<b>Neutral</b>	432	4861	15159
	26.7%	26.9%	26.7%
<b>Agree</b>	742	7662	23709
	45.8%	42.4%	41.8%
<b>Strongly agree</b>	157	2387	7215
	9.7%	13.2%	12.7%
<b>Total respondent count (Percentages sum to 100%)</b>	1621	18090	56764
	100.0%	100.0%	100.0%

<b>6.1. Technology helped me ...keep track of course news or announcements</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	35	324	1003
	2.1%	1.8%	1.8%
<b>Strongly disagree</b>	13	225	695
	0.8%	1.2%	1.2%
<b>Disagree</b>	19	459	1426
	1.2%	2.5%	2.5%
<b>Neutral</b>	184	2340	6675
	11.3%	12.9%	11.8%
<b>Agree</b>	811	8533	26837
	49.7%	47.2%	47.3%
<b>Strongly agree</b>	570	6204	20108
	34.9%	34.3%	35.4%
<b>Total respondent count (Percentages sum to 100%)</b>	1632	18085	56744
	100.0%	100.0%	100.0%

<b>6.1. Technology helped me ...investigate topics outside class time</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
	33	407	1339

<b>Don't know</b>	2.0%	2.3%	2.4%
<b>Strongly disagree</b>	24	251	881
	1.5%	1.4%	1.6%
<b>Disagree</b>	37	594	2010
	2.3%	3.3%	3.5%
<b>Neutral</b>	195	2613	8000
	12.0%	14.5%	14.1%
<b>Agree</b>	884	8716	27337
	54.4%	48.2%	48.1%
<b>Strongly agree</b>	452	5498	17215
	27.8%	30.4%	30.3%
<b>Total respondent count (Percentages sum to 100%)</b>	1625	18079	56782
	100.0%	100.0%	100.0%

<b>6.1. Technology helped me ...reflect on course materials</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	40	432	1371
	2.5%	2.4%	2.4%
<b>Strongly disagree</b>	24	260	892
	1.5%	1.4%	1.6%
<b>Disagree</b>	65	744	2421
	4.0%	4.1%	4.3%
<b>Neutral</b>	249	3193	9896
	15.3%	17.6%	17.4%
<b>Agree</b>	914	9326	29178
	56.2%	51.5%	51.4%
<b>Strongly agree</b>	335	4140	13027
	20.6%	22.9%	22.9%
<b>Total respondent count (Percentages sum to 100%)</b>	1627	18095	56785
	100.0%	100.0%	100.0%

<b>6.1. Technology helped me ...conduct research for class assignments</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	29	393	1350
	1.8%	2.2%	2.4%
<b>Strongly disagree</b>	7	180	599
	0.4%	1.0%	1.1%
<b>Disagree</b>	32	408	1287
	2.0%	2.3%	2.3%
<b>Neutral</b>	141	2039	6187
	8.7%	11.3%	10.9%
<b>Agree</b>	708	7722	24167
	43.5%	42.7%	42.6%
<b>Strongly agree</b>	712	7355	23177
	43.7%	40.6%	40.8%
<b>Total respondent count (Percentages sum to 100%)</b>	1629	18097	56767
	100.0%	100.0%	100.0%

<b>6.1. Technology helped me ...document class work or projects</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	39	387	1256

	2.4%	2.1%	2.2%
<b>Strongly disagree</b>	14	205	696
	0.9%	1.1%	1.2%
<b>Disagree</b>	35	463	1553
	2.1%	2.6%	2.7%
<b>Neutral</b>	162	2558	7619
	9.9%	14.2%	13.4%
<b>Agree</b>	926	9249	29189
	56.7%	51.2%	51.4%
<b>Strongly agree</b>	457	5209	16442
	28.0%	28.8%	29.0%
<b>Total respondent count (Percentages sum to 100%)</b>	1633	18071	56755
	100.0%	100.0%	100.0%

<b>6.1. Technology helped me ...complete case studies</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	258	2507	8568
	15.9%	13.9%	15.1%
<b>Strongly disagree</b>	50	501	1598
	3.1%	2.8%	2.8%
<b>Disagree</b>	111	1142	3808
	6.8%	6.3%	6.7%
<b>Neutral</b>	445	4774	14698
	27.4%	26.4%	25.9%
<b>Agree</b>	568	6431	19743
	34.9%	35.5%	34.8%
<b>Strongly agree</b>	194	2737	8357
	11.9%	15.1%	14.7%
<b>Total respondent count (Percentages sum to 100%)</b>	1626	18092	56772
	100.0%	100.0%	100.0%

<b>6.1. Technology helped me ...analyze data</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	59	712	2371
	3.6%	3.9%	4.2%
<b>Strongly disagree</b>	24	287	964
	1.5%	1.6%	1.7%
<b>Disagree</b>	54	757	2427
	3.3%	4.2%	4.3%
<b>Neutral</b>	294	3637	11237
	18.1%	20.1%	19.8%
<b>Agree</b>	856	8640	27168
	52.7%	47.8%	47.9%
<b>Strongly agree</b>	338	4047	12547
	20.8%	22.4%	22.1%
<b>Total respondent count (Percentages sum to 100%)</b>	1625	18080	56714
	100.0%	100.0%	100.0%

<b>6.1. Technology helped me ...learn through games or interactive activities</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	139	1615	5238
	8.5%	8.9%	9.2%

<b>Strongly disagree</b>	156	1654	5452
	9.6%	9.1%	9.6%
<b>Disagree</b>	329	3036	9997
	20.2%	16.8%	17.6%
<b>Neutral</b>	499	5211	15689
	30.6%	28.8%	27.6%
<b>Agree</b>	421	4857	15205
	25.8%	26.9%	26.8%
<b>Strongly agree</b>	87	1712	5214
	5.3%	9.5%	9.2%
<b>Total respondent count (Percentages sum to 100%)</b>	1631	18085	56795
	100.0%	100.0%	100.0%

<b>6.1. Technology helped me ...learn through simulations</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	122	1359	4173
	7.5%	7.5%	7.4%
<b>Strongly disagree</b>	66	820	2586
	4.1%	4.5%	4.6%
<b>Disagree</b>	243	2054	6608
	15.0%	11.4%	11.6%
<b>Neutral</b>	467	5101	15281
	28.7%	28.2%	26.9%
<b>Agree</b>	589	6512	20884
	36.2%	36.0%	36.8%
<b>Strongly agree</b>	138	2236	7224
	8.5%	12.4%	12.7%
<b>Total respondent count (Percentages sum to 100%)</b>	1625	18082	56756
	100.0%	100.0%	100.0%

<b>6.2. Technology used in my courses ...enriched my learning experiences</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	58	437	1299
	3.6%	2.4%	2.3%
<b>Strongly disagree</b>	23	293	978
	1.4%	1.6%	1.7%
<b>Disagree</b>	53	677	2208
	3.3%	3.7%	3.9%
<b>Neutral</b>	296	3673	11108
	18.2%	20.3%	19.6%
<b>Agree</b>	893	9039	28833
	54.9%	50.0%	50.8%
<b>Strongly agree</b>	303	3948	12340
	18.6%	21.9%	21.7%
<b>Total respondent count (Percentages sum to 100%)</b>	1626	18067	56766
	100.0%	100.0%	100.0%

<b>6.2. Technology used in my courses ...was relevant to my achievement of course learning objectives</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	60	500	1533
	3.7%	2.8%	2.7%
	23	275	918



<b>Strongly disagree</b>	1.4%	1.5%	1.6%
	58	620	2207
<b>Disagree</b>	3.6%	3.4%	3.9%
	284	3799	11086
<b>Neutral</b>	17.4%	21.0%	19.5%
	925	9342	29603
<b>Agree</b>	56.8%	51.7%	52.2%
	279	3548	11418
<b>Strongly agree</b>	17.1%	19.6%	20.1%
	1629	18084	56765
<b>Total respondent count (Percentages sum to 100%)</b>	100.0%	100.0%	100.0%

<b>6.2. Technology used in my courses ...contributed to the successful completion of my courses</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	53	419	1326
	3.3%	2.3%	2.3%
<b>Strongly disagree</b>	17	256	898
	1.0%	1.4%	1.6%
<b>Disagree</b>	47	580	1957
	2.9%	3.2%	3.4%
<b>Neutral</b>	264	3112	9094
	16.2%	17.2%	16.0%
<b>Agree</b>	882	9152	28770
	54.1%	50.6%	50.7%
<b>Strongly agree</b>	366	4562	14744
	22.5%	25.2%	26.0%
<b>Total respondent count (Percentages sum to 100%)</b>	1629	18081	56789
	100.0%	100.0%	100.0%

<b>6.2. Technology used in my courses ...connected course materials and real-world experiences</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	57	549	1753
	3.5%	3.0%	3.1%
<b>Strongly disagree</b>	35	405	1343
	2.2%	2.2%	2.4%
<b>Disagree</b>	82	1132	4069
	5.0%	6.3%	7.2%
<b>Neutral</b>	368	4363	13528
	22.7%	24.1%	23.8%
<b>Agree</b>	841	8383	26231
	51.8%	46.4%	46.2%
<b>Strongly agree</b>	241	3242	9851
	14.8%	17.9%	17.4%
<b>Total respondent count (Percentages sum to 100%)</b>	1624	18074	56775
	100.0%	100.0%	100.0%

<b>6.2. Technology used in my courses ...helped me understand fundamental concepts</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	68	492	1483
	4.2%	2.7%	2.6%
<b>Strongly disagree</b>	25	301	1008

	1.5%	1.7%	1.8%
<b>Disagree</b>	57	807	2653
	3.5%	4.5%	4.7%
<b>Neutral</b>	336	3979	12011
	20.6%	22.0%	21.1%
<b>Agree</b>	907	9212	29310
	55.6%	50.9%	51.6%
<b>Strongly agree</b>	239	3308	10331
	14.6%	18.3%	18.2%
<b>Total respondent count (Percentages sum to 100%)</b>	1632	18099	56796
	100.0%	100.0%	100.0%

<b>6.2. Technology used in my courses ...built relevant skills that were useful outside courses</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	59	557	1783
	3.6%	3.1%	3.1%
<b>Strongly disagree</b>	30	370	1229
	1.8%	2.0%	2.2%
<b>Disagree</b>	79	970	3411
	4.9%	5.4%	6.0%
<b>Neutral</b>	350	4288	13098
	21.5%	23.7%	23.1%
<b>Agree</b>	847	8527	26762
	52.1%	47.1%	47.1%
<b>Strongly agree</b>	261	3373	10481
	16.1%	18.7%	18.5%
<b>Total respondent count (Percentages sum to 100%)</b>	1626	18085	56764
	100.0%	100.0%	100.0%

<b>6.2. Technology used in my courses ...helped make connections to knowledge obtained in other courses</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	57	536	1789
	3.5%	3.0%	3.2%
<b>Strongly disagree</b>	34	338	1141
	2.1%	1.9%	2.0%
<b>Disagree</b>	72	934	3355
	4.4%	5.2%	5.9%
<b>Neutral</b>	348	4111	12845
	21.4%	22.7%	22.6%
<b>Agree</b>	886	8840	27711
	54.4%	48.9%	48.8%
<b>Strongly agree</b>	231	3315	9923
	14.2%	18.3%	17.5%
<b>Total respondent count (Percentages sum to 100%)</b>	1628	18074	56764
	100.0%	100.0%	100.0%

<b>6.2. Technology used in my courses ...helped me understand hard-to-grasp concepts or processes</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	53	487	1515
	3.3%	2.7%	2.7%
<b>Strongly disagree</b>	32	397	1402
	2.0%	2.2%	2.5%

<b>Disagree</b>	106	1145	3971
	6.5%	6.3%	7.0%
<b>Neutral</b>	342	4237	12902
	21.0%	23.4%	22.7%
<b>Agree</b>	830	8290	26057
	51.0%	45.9%	45.9%
<b>Strongly agree</b>	263	3516	10914
	16.2%	19.5%	19.2%
<b>Total respondent count (Percentages sum to 100%)</b>	1626	18072	56761
	100.0%	100.0%	100.0%

<b>6.2. Technology used in my courses ...was appropriate to the content being delivered</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	58	532	1558
	3.6%	2.9%	2.7%
<b>Strongly disagree</b>	16	217	732
	1.0%	1.2%	1.3%
<b>Disagree</b>	46	555	1740
	2.8%	3.1%	3.1%
<b>Neutral</b>	271	3540	10555
	16.7%	19.6%	18.6%
<b>Agree</b>	970	9904	31654
	59.7%	54.8%	55.8%
<b>Strongly agree</b>	263	3341	10536
	16.2%	18.5%	18.6%
<b>Total respondent count (Percentages sum to 100%)</b>	1624	18089	56775
	100.0%	100.0%	100.0%

<b>6.2. Technology used in my courses ...helped me think critically</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	58	529	1687
	3.6%	2.9%	3.0%
<b>Strongly disagree</b>	41	438	1445
	2.5%	2.4%	2.5%
<b>Disagree</b>	128	1267	4498
	7.9%	7.0%	7.9%
<b>Neutral</b>	441	5015	15414
	27.1%	27.7%	27.1%
<b>Agree</b>	760	7914	24786
	46.7%	43.8%	43.6%
<b>Strongly agree</b>	198	2924	8954
	12.2%	16.2%	15.8%
<b>Total respondent count (Percentages sum to 100%)</b>	1626	18087	56784
	100.0%	100.0%	100.0%

<b>6.2. Technology used in my courses ...helped me focus on learning activities or course materials</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	54	487	1444
	3.3%	2.7%	2.5%
<b>Strongly disagree</b>	31	409	1366
	1.9%	2.3%	2.4%
	102	1085	3509

<b>Disagree</b>	6.3%	6.0%	6.2%
<b>Neutral</b>	348	4105	12594
	21.4%	22.7%	22.2%
<b>Agree</b>	867	8847	28050
	53.3%	48.9%	49.4%
<b>Strongly agree</b>	224	3154	9803
	13.8%	17.4%	17.3%
<b>Total respondent count (Percentages sum to 100%)</b>	1626	18087	56766
	100.0%	100.0%	100.0%

<b>6.3. Technology used in my courses has enabled me to ...receive feedback from others right away</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	53	582	1904
	3.3%	3.2%	3.4%
<b>Strongly disagree</b>	37	440	1527
	2.3%	2.4%	2.7%
<b>Disagree</b>	100	1284	4386
	6.2%	7.1%	7.7%
<b>Neutral</b>	350	4195	12986
	21.5%	23.3%	22.9%
<b>Agree</b>	825	8393	26169
	50.7%	46.6%	46.2%
<b>Strongly agree</b>	261	3133	9662
	16.1%	17.4%	17.1%
<b>Total respondent count (Percentages sum to 100%)</b>	1626	18027	56634
	100.0%	100.0%	100.0%

<b>6.3. Technology used in my courses has enabled me to ...communicate basic messages</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	57	513	1632
	3.5%	2.8%	2.9%
<b>Strongly disagree</b>	27	274	892
	1.7%	1.5%	1.6%
<b>Disagree</b>	42	572	1936
	2.6%	3.2%	3.4%
<b>Neutral</b>	239	3049	9191
	14.7%	16.9%	16.2%
<b>Agree</b>	949	9643	30719
	58.5%	53.5%	54.3%
<b>Strongly agree</b>	309	3974	12253
	19.0%	22.0%	21.6%
<b>Total respondent count (Percentages sum to 100%)</b>	1623	18025	56623
	100.0%	100.0%	100.0%

<b>6.3. Technology used in my courses has enabled me to ...understand what other people were trying to communicate</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	67	714	2397
	4.1%	4.0%	4.2%
<b>Strongly disagree</b>	37	448	1456
	2.3%	2.5%	2.6%
	128	1321	4589

Disagree	7.9%	7.3%	8.1%
	430	4910	15392
Neutral	26.5%	27.2%	27.2%
	791	8252	25723
Agree	48.7%	45.7%	45.4%
	172	2396	7089
Strongly agree	10.6%	13.3%	12.5%
	1625	18041	56646
<b>Total respondent count (Percentages sum to 100%)</b>	100.0%	100.0%	100.0%

6.3. Technology used in my courses has enabled me to ...explain my ideas in specific terms	Appalachian State University	MA public institutions	All U.S. institutions
Don't know	73	768	2570
	4.5%	4.3%	4.5%
Strongly disagree	38	435	1422
	2.3%	2.4%	2.5%
Disagree	117	1312	4680
	7.2%	7.3%	8.3%
Neutral	441	5124	16133
	27.2%	28.4%	28.5%
Agree	773	7899	24465
	47.6%	43.8%	43.2%
Strongly agree	182	2485	7351
	11.2%	13.8%	13.0%
<b>Total respondent count (Percentages sum to 100%)</b>	1624	18023	56621
	100.0%	100.0%	100.0%

6.3. Technology used in my courses has enabled me to ...help others learn something from me	Appalachian State University	MA public institutions	All U.S. institutions
Don't know	102	963	3257
	6.3%	5.3%	5.8%
Strongly disagree	44	481	1714
	2.7%	2.7%	3.0%
Disagree	136	1514	5289
	8.4%	8.4%	9.3%
Neutral	461	5229	16493
	28.3%	29.0%	29.1%
Agree	726	7497	23096
	44.6%	41.6%	40.8%
Strongly agree	159	2346	6776
	9.8%	13.0%	12.0%
<b>Total respondent count (Percentages sum to 100%)</b>	1628	18030	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	Appalachian State University	MA public institutions	All U.S. institutions
Don't know	93	882	2871
	5.7%	4.9%	5.1%
Strongly disagree	45	472	1665
	2.8%	2.6%	2.9%
Disagree	149	1587	5742

	9.2%	8.8%	10.1%
<b>Neutral</b>	503	5484	17224
	31.0%	30.4%	30.4%
<b>Agree</b>	681	7324	22445
	42.0%	40.6%	39.6%
<b>Strongly agree</b>	152	2276	6686
	9.4%	12.6%	11.8%
<b>Total respondent count (Percentages sum to 100%)</b>	1623	18025	56633
	100.0%	100.0%	100.0%

<b>6.3. Technology used in my courses has enabled me to ...persuade my classmates why my ideas are relevant</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	118	1262	4235
	7.2%	7.0%	7.5%
<b>Strongly disagree</b>	54	641	2245
	3.3%	3.6%	4.0%
<b>Disagree</b>	197	2062	7262
	12.1%	11.4%	12.8%
<b>Neutral</b>	561	6242	19724
	34.5%	34.6%	34.8%
<b>Agree</b>	572	5973	17774
	35.1%	33.1%	31.4%
<b>Strongly agree</b>	126	1851	5386
	7.7%	10.3%	9.5%
<b>Total respondent count (Percentages sum to 100%)</b>	1628	18031	56626
	100.0%	100.0%	100.0%

<b>6.3. Technology used in my courses has enabled me to ...use technical or academic terminology correctly</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	72	734	2250
	4.4%	4.1%	4.0%
<b>Strongly disagree</b>	42	356	1075
	2.6%	2.0%	1.9%
<b>Disagree</b>	89	881	3069
	5.5%	4.9%	5.4%
<b>Neutral</b>	331	4156	12924
	20.4%	23.0%	22.8%
<b>Agree</b>	861	8812	27818
	53.0%	48.9%	49.1%
<b>Strongly agree</b>	231	3092	9479
	14.2%	17.1%	16.7%
<b>Total respondent count (Percentages sum to 100%)</b>	1626	18031	56615
	100.0%	100.0%	100.0%

<b>6.3. Technology used in my courses has enabled me to ...explain my thought process from start to finish</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	85	892	2925
	5.2%	4.9%	5.2%
<b>Strongly disagree</b>	49	562	1907
	3.0%	3.1%	3.4%
<b>Disagree</b>	165	1742	6257
	10.2%	9.7%	11.0%

<b>Neutral</b>	496	5657	17799
	30.5%	31.4%	31.4%
<b>Agree</b>	690	6933	21097
	42.5%	38.4%	37.3%
<b>Strongly agree</b>	140	2247	6646
	8.6%	12.5%	11.7%
<b>Total respondent count (Percentages sum to 100%)</b>	1625	18033	56631
	100.0%	100.0%	100.0%

<b>6.4. I get distracted during classes because I ...use social media</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	43	497	1792
	2.7%	2.8%	3.2%
<b>Strongly disagree</b>	396	4251	14215
	24.4%	23.5%	25.0%
<b>Disagree</b>	298	3002	9457
	18.4%	16.6%	16.7%
<b>Neutral</b>	259	3069	8997
	16.0%	17.0%	15.9%
<b>Agree</b>	492	5278	16581
	30.3%	29.2%	29.2%
<b>Strongly agree</b>	134	1968	5707
	8.3%	10.9%	10.1%
<b>Total respondent count (Percentages sum to 100%)</b>	1622	18065	56749
	100.0%	100.0%	100.0%

<b>6.4. I get distracted during classes because I ...text</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	43	433	1641
	2.6%	2.4%	2.9%
<b>Strongly disagree</b>	303	3493	11720
	18.7%	19.3%	20.7%
<b>Disagree</b>	258	2943	9232
	15.9%	16.3%	16.3%
<b>Neutral</b>	293	3437	10213
	18.0%	19.0%	18.0%
<b>Agree</b>	596	5858	18282
	36.7%	32.4%	32.2%
<b>Strongly agree</b>	131	1903	5661
	8.1%	10.5%	10.0%
<b>Total respondent count (Percentages sum to 100%)</b>	1624	18067	56749
	100.0%	100.0%	100.0%

<b>6.4. I get distracted during classes because I ...read e-mail</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	36	448	1660
	2.2%	2.5%	2.9%
<b>Strongly disagree</b>	304	3882	12509
	18.7%	21.5%	22.1%
<b>Disagree</b>	253	3127	9743
	15.6%	17.3%	17.2%
	279	3368	9800

<b>Neutral</b>	17.1%	18.6%	17.3%
	611	5643	18073
<b>Agree</b>	37.6%	31.2%	31.9%
	144	1600	4945
<b>Strongly agree</b>	8.9%	8.9%	8.7%
	1627	18068	56730
<b>Total respondent count (Percentages sum to 100%)</b>	100.0%	100.0%	100.0%

<b>6.4. I get distracted during classes because I ...play games on a laptop or mobile device</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	60	742	2472
	3.7%	4.1%	4.4%
<b>Strongly disagree</b>	704	7601	24346
	43.5%	42.1%	42.9%
<b>Disagree</b>	431	4358	13664
	26.6%	24.1%	24.1%
<b>Neutral</b>	173	2166	6538
	10.7%	12.0%	11.5%
<b>Agree</b>	211	2348	7228
	13.0%	13.0%	12.7%
<b>Strongly agree</b>	39	855	2492
	2.4%	4.7%	4.4%
<b>Total respondent count (Percentages sum to 100%)</b>	1618	18070	56740
	100.0%	100.0%	100.0%

<b>6.4. I get distracted during classes because I ...read websites not related to class</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	48	525	1872
	3.0%	2.9%	3.3%
<b>Strongly disagree</b>	446	5080	15706
	27.5%	28.1%	27.7%
<b>Disagree</b>	331	3644	11324
	20.4%	20.2%	20.0%
<b>Neutral</b>	250	2881	8738
	15.4%	16.0%	15.4%
<b>Agree</b>	471	4585	14856
	29.0%	25.4%	26.2%
<b>Strongly agree</b>	77	1347	4249
	4.7%	7.5%	7.5%
<b>Total respondent count (Percentages sum to 100%)</b>	1623	18062	56745
	100.0%	100.0%	100.0%

<b>6.4. I get distracted during classes because I ...surf the Web</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	47	498	1800
	2.9%	2.8%	3.2%
<b>Strongly disagree</b>	421	4649	14816
	26.0%	25.7%	26.1%
<b>Disagree</b>	340	3490	10803
	21.0%	19.3%	19.0%
<b>Neutral</b>	242	2993	8991



	14.9%	16.6%	15.8%
<b>Agree</b>	472	4828	15402
	29.1%	26.7%	27.1%
<b>Strongly agree</b>	98	1599	4922
	6.0%	8.9%	8.7%
<b>Total respondent count (Percentages sum to 100%)</b>	1620	18057	56734
	100.0%	100.0%	100.0%

<b>6.4. I get distracted during classes because I ...read printed materials not related to class</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	55	691	2392
	3.4%	3.8%	4.2%
<b>Strongly disagree</b>	665	7054	23220
	41.0%	39.1%	40.9%
<b>Disagree</b>	448	4635	14609
	27.6%	25.7%	25.8%
<b>Neutral</b>	206	2415	7075
	12.7%	13.4%	12.5%
<b>Agree</b>	196	2465	7240
	12.1%	13.7%	12.8%
<b>Strongly agree</b>	51	788	2196
	3.1%	4.4%	3.9%
<b>Total respondent count (Percentages sum to 100%)</b>	1621	18048	56732
	100.0%	100.0%	100.0%

<b>6.4. I get distracted during classes because I ...read a newspaper</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	65	818	2736
	4.0%	4.5%	4.8%
<b>Strongly disagree</b>	871	8989	28641
	53.7%	49.8%	50.5%
<b>Disagree</b>	427	4492	14221
	26.3%	24.9%	25.1%
<b>Neutral</b>	137	1925	5666
	8.5%	10.7%	10.0%
<b>Agree</b>	93	1344	4065
	5.7%	7.4%	7.2%
<b>Strongly agree</b>	28	491	1400
	1.7%	2.7%	2.5%
<b>Total respondent count (Percentages sum to 100%)</b>	1621	18059	56729
	100.0%	100.0%	100.0%

<b>6.4. I get distracted during classes because I ...pass notes</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	64	769	2655
	3.9%	4.3%	4.7%
<b>Strongly disagree</b>	870	9019	29380
	53.6%	50.0%	51.8%
<b>Disagree</b>	453	4470	14166
	27.9%	24.8%	25.0%
<b>Neutral</b>	136	1949	5510
	8.4%	10.8%	9.7%

<b>Agree</b>	75	1331	3671
	4.6%	7.4%	6.5%
<b>Strongly agree</b>	25	503	1330
	1.5%	2.8%	2.3%
<b>Total respondent count (Percentages sum to 100%)</b>	1623	18041	56712
	100.0%	100.0%	100.0%

<b>6.4. I get distracted during classes because I ...talk to neighbors</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>	39	537	1920
	2.4%	3.0%	3.4%
<b>Strongly disagree</b>	399	4781	15491
	24.6%	26.5%	27.3%
<b>Disagree</b>	414	4228	13200
	25.6%	23.4%	23.3%
<b>Neutral</b>	349	3838	11304
	21.5%	21.2%	19.9%
<b>Agree</b>	367	3854	12394
	22.7%	21.3%	21.8%
<b>Strongly agree</b>	52	834	2443
	3.2%	4.6%	4.3%
<b>Total respondent count (Percentages sum to 100%)</b>	1620	18072	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.

<b>7.1a. Disposition towards IT</b>		<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Reluctant or Enthusiast</b>	<b>Mean</b>	67.0	68.8	68.8
	<b>SD</b>	20.6	21.1	21.2
	<b>N</b>	1528	16581	52421
<b>Late adopter or Early adopter</b>	<b>Mean</b>	62.2	64.1	64.1
	<b>SD</b>	22.8	24.0	24.0
	<b>N</b>	1527	16555	52296
<b>Technophobe or Technophile</b>	<b>Mean</b>	66.8	67.5	68.1
	<b>SD</b>	21.6	22.0	21.9
	<b>N</b>	1477	15769	50106
<b>Skeptic or Cheerleader</b>	<b>Mean</b>	59.0	59.8	60.5
	<b>SD</b>	22.9	23.7	23.6
	<b>N</b>	1500	16338	51593
<b>By-the-book or Experimenter</b>	<b>Mean</b>	57.8	58.5	58.5
	<b>SD</b>	23.3	25.2	24.8
	<b>N</b>	1509	16528	52055
<b>Critic or Supporter</b>	<b>Mean</b>	65.4	67.6	68.0
	<b>SD</b>	22.1	22.6	22.5
	<b>N</b>	1529	16574	52384

<b>7.1b. Attitude towards IT</b>		<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Dissatisfied or Satisfied</b>	<b>Mean</b>	69.5	72.1	72.0
	<b>SD</b>	18.1	19.2	19.2
	<b>N</b>	1529	16797	52959
	<b>Mean</b>	69.2	71.9	71.6

<b>Discontent or Content</b>	<b>SD</b>	18.3	19.0	19.2
	<b>N</b>	1516	16720	52755
<b>Perturbed or Pleased</b>	<b>Mean</b>	69.5	71.9	71.9
	<b>SD</b>	18.1	18.6	18.8
	<b>N</b>	1520	16700	52664
<b>Burdensome or Beneficial</b>	<b>Mean</b>	72.9	75.1	75.0
	<b>SD</b>	19.4	19.5	19.6
	<b>N</b>	1536	16903	53218
<b>Useless or Useful</b>	<b>Mean</b>	78.5	79.7	80.0
	<b>SD</b>	17.3	17.8	17.6
	<b>N</b>	1545	17035	53667
<b>Distraction or Enhancement</b>	<b>Mean</b>	64.2	65.8	66.2
	<b>SD</b>	21.4	22.9	22.8
	<b>N</b>	1509	16653	52526

<b>7.1c. Usage of IT</b>		<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Never connected or Always connected</b>	<b>Mean</b>	73.7	76.6	76.4
	<b>SD</b>	18.5	18.6	18.7
	<b>N</b>	1516	16783	52915
<b>Peripheral or Central</b>	<b>Mean</b>	67.1	68.5	68.6
	<b>SD</b>	18.9	19.2	19.4
	<b>N</b>	1449	15788	49940
<b>Old media or New media</b>	<b>Mean</b>	68.5	72.1	72.0
	<b>SD</b>	18.3	19.0	18.9
	<b>N</b>	1507	16529	51964
<b>Infrequent or Frequent</b>	<b>Mean</b>	76.9	78.6	78.9
	<b>SD</b>	18.1	18.1	18.1
	<b>N</b>	1536	16904	53304

<b>7.2. Technology will play an important role in my chosen career after college.</b>		<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>		74	586	1897
		4.5%	3.2%	3.3%
<b>Strongly disagree</b>		30	285	863
		1.8%	1.6%	1.5%
<b>Disagree</b>		47	542	1796
		2.9%	3.0%	3.2%
<b>Neutral</b>		207	2526	7117
		12.7%	13.9%	12.5%
<b>Agree</b>		648	6831	21244
		39.7%	37.7%	37.3%
<b>Strongly agree</b>		626	7353	23973
		38.4%	40.6%	42.1%
<b>Total respondent count (Percentages sum to 100%)</b>		1632	18123	56890
		100.0%	100.0%	100.0%

<b>7.2. Technology that I use in my courses now will prepare me adequately for my chosen career.</b>		<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Don't know</b>		85	715	2311
		5.2%	3.9%	4.1%
		44	529	1653

<b>Strongly disagree</b>	2.7%	2.9%	2.9%
<b>Disagree</b>	96	1085	3537
	5.9%	6.0%	6.2%
<b>Neutral</b>	308	3611	10892
	18.8%	19.9%	19.1%
<b>Agree</b>	689	7336	23315
	42.1%	40.5%	41.0%
<b>Strongly agree</b>	413	4835	15174
	25.3%	26.7%	26.7%
<b>Total respondent count (Percentages sum to 100%)</b>	1635	18111	56882
	100.0%	100.0%	100.0%

<b>7.3. Gender</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Male</b>	583	6166	20433
	35.4%	33.8%	35.7%
<b>Female</b>	1023	11672	35605
	62.1%	64.0%	62.1%
<b>Other</b>	17	143	493
	1.0%	0.8%	0.9%
<b>Prefer not to answer</b>	24	269	760
	1.5%	1.5%	1.3%
<b>Total respondent count (Percentages sum to 100%)</b>	1647	18250	57291
	100.0%	100.0%	100.0%

<b>7.4. Intend to earn</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Digital badges that certify my skills</b>	233	2338	6986
	14.2%	12.8%	12.2%
<b>A vocational/occupational certificate</b>	119	1217	4825
	7.3%	6.7%	8.4%
<b>A college diploma (non-U.S. respondents only)</b>	0	0	0
	0.0%	0.0%	0.0%
<b>An associate's degree</b>	119	1649	11715
	7.3%	9.0%	20.5%
<b>A bachelor's degree</b>	1418	15543	44805
	86.7%	85.2%	78.3%
<b>An honor's degree (non-U.S. respondents only)</b>	0	0	0
	0.0%	0.0%	0.0%
<b>A master's degree</b>	762	8102	22149
	46.6%	44.4%	38.7%
<b>A doctoral degree</b>	226	2784	7844
	13.8%	15.3%	13.7%
<b>Another professional degree</b>	131	1566	5439
	8.0%	8.6%	9.5%
<b>Other, please describe</b>	16	305	922
	1.0%	1.7%	1.6%
<b>N/A</b>	17	246	805
	1.0%	1.3%	1.4%
<b>Total respondent count</b>	1636	18238	57220

<b>7.5. Major</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Agriculture and natural resources</b>	18	165	1009
	1.1%	0.9%	1.8%
<b>Biological/life sciences</b>	120	1530	4489
	7.3%	8.4%	7.8%
<b>Business, management, marketing</b>	244	2755	8708
	14.8%	15.1%	15.2%
<b>Communications/journalism</b>	84	783	2137
	5.1%	4.3%	3.7%
<b>Computer and information sciences</b>	154	1151	4178
	9.3%	6.3%	7.3%
<b>Education, including physical education</b>	162	1977	4028
	9.8%	10.8%	7.0%
<b>Engineering and architecture</b>	35	980	4710
	2.1%	5.4%	8.2%
<b>Fine and performing arts</b>	69	563	1602
	4.2%	3.1%	2.8%
<b>Health sciences, including professional programs</b>	265	2561	9294
	16.1%	14.0%	16.2%
<b>Humanities</b>	49	559	1400
	3.0%	3.1%	2.4%
<b>Liberal arts/general studies</b>	29	544	1988
	1.8%	3.0%	3.5%
<b>Manufacturing, construction, repair, or transportation</b>	10	61	536
	0.6%	0.3%	0.9%
<b>Physical sciences, including mathematical sciences</b>	68	465	1363
	4.1%	2.5%	2.4%
<b>Public administration, legal, social, and protective services</b>	40	476	1425
	2.4%	2.6%	2.5%
<b>Social sciences</b>	135	1902	4487
	8.2%	10.4%	7.8%
<b>Other major not described above</b>	147	1511	4849
	8.9%	8.3%	8.5%
<b>Undecided</b>	19	299	1167
	1.2%	1.6%	2.0%
<b>Total respondent count (Percentages sum to 100%)</b>	1648	18282	57370
	100.0%	100.0%	100.0%

<b>7.6. Part time or full time</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>Part time</b>	77	2141	9755
	4.7%	11.7%	17.0%
<b>Full time</b>	1566	16119	47531
	95.3%	88.3%	83.0%
<b>Total respondent count (Percentages sum to 100%)</b>	1643	18260	57286
	100.0%	100.0%	100.0%

<b>7.7. Ethnicity</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>American Indian/Native American/Alaskan native</b>	21	344	1397
	1.3%	1.9%	2.4%

<b>Asian/Pacific Islander</b>	62	2029	6383
	3.8%	11.1%	11.1%
<b>Black/African American</b>	60	1008	3742
	3.6%	5.5%	6.5%
<b>Hispanic/Latino</b>	94	5359	9468
	5.7%	29.3%	16.5%
<b>White</b>	1424	9870	37664
	86.6%	54.0%	65.7%
<b>Other</b>	16	419	1204
	1.0%	2.3%	2.1%
<b>Prefer not to answer</b>	49	696	2232
	3.0%	3.8%	3.9%
<b>Total respondent count</b>	1645	18266	57321

<b>7.8. On/off campus</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>On campus</b>	770	5122	16615
	46.8%	28.1%	29.0%
<b>Off campus</b>	875	13128	40647
	53.2%	71.9%	71.0%
<b>Total respondent count (Percentages sum to 100%)</b>	1645	18250	57262
	100.0%	100.0%	100.0%

<b>7.9. First person in immediate family to attend college</b>	<b>Appalachian State University</b>	<b>MA public institutions</b>	<b>All U.S. institutions</b>
<b>No</b>	1298	12030	40776
	78.9%	65.9%	71.2%
<b>Yes</b>	325	5871	15510
	19.8%	32.2%	27.1%
<b>Prefer not to answer</b>	22	357	999
	1.3%	2.0%	1.7%
<b>Total respondent count (Percentages sum to 100%)</b>	1645	18258	57285
	100.0%	100.0%	100.0%