

Information Technology Literacy and Technology Resources Items from the Evergreen Student Experience Survey

The Evergreen Student Experience Survey was designed to study how students perceive specific aspects of Evergreen's learning environment, to measure students' learning growth in 22 general skill areas and 9 computer-related skills, to understand students' goals and level of confidence, and to gauge student utilization of campus resources and participation in community activities.

There are several learning growth and utilization of campus resources questions that are directly relevant to information technology literacy and technology resources at Evergreen. These are described below.

About the Survey

The sample for the Evergreen Student Experience Survey contained 1,985 students. These students were respondents to the Evergreen New Student Survey and a stratified random sample of continuing students. Stratification was based on the proportion of continuing sophomores, juniors, and seniors among Evergreen degree-seeking undergraduates.

A total of 567 students responded to the Evergreen Student Experience Survey. The overall response rate was 29% of the sample and 16% of the population of degree-seeking undergraduates.

Students who had a preferred e-mail address in the BANNER student database system were contacted via e-mail with a link to a web-based survey. Then students who either did not have a valid e-mail address or who did not respond to the e-mail were sent a paper copy of the survey. All students who had a valid e-mail address were also sent a second reminder via e-mail. The incentive for participating in the survey was the possibility of receiving a \$250 gift certificate to the Evergreen bookstore in a drawing.

Learning Growth and Information Technology Literacy

Students were asked a series of nine questions regarding Evergreen's contribution to their progress in computer-related skills. These questions along with a learning growth question in another series, "To what extent has your experience at Evergreen contributed to your academic and personal growth in using technology to present work, find information, and solve problems," make up measures of information technology literacy. Students rated Evergreen's contribution on a scale of Not at All (0), Very Little (1), Some (2), Quite a Bit (3), and A Lot (4).

Means were highest for "conducting research via the Internet or other on-line sources" and "using technology to present work, find information, and solve problems." "Developing and maintaining a web site" and "writing computer programs had the lowest mean scores." The most common response was "Not at All," for all but three items. "Quite a Bit" was the most frequent response for conducting research via the Internet or other on-line sources and using technology to present work, find information, and solve problems. "Some" was the most frequent response to the item on writing a research paper using a computer.

To what extent has your experience at Evergreen contributed to your progress in each of the following computer-related skills? (N=567)

	Mean	Not at All (0)	Very Little (1)	Some (2)	Quite a Bit (3)	A Lot (4)	Missing (N)
Conducting research via the Internet or other on-line sources	2.36	11.0%	12.4%	27.2%	28.2%	21.1%	4
Using technology to present work, find information, and solve problems ¹	2.34	7.1%	16.8%	29.0%	29.6%	17.5%	2
Writing a research paper using a computer	2.08	15.1%	16.8%	29.4%	22.2%	16.5%	3
Giving a presentation using a computer	1.57	29.3%	23.2%	19.5%	17.2%	10.8%	3
Using the computer for artistic expression (i.e. music, other audio, still images, animation, video, etc.)	1.39	39.4%	17.7%	18.8%	12.4%	11.7%	3
Solving mathematical or statistical problems using a computer	1.13	45.0%	21.6%	16.0%	9.6%	7.8%	3
Preparing a newsletter, brochure, or poster	1.11	47.6%	18.1%	16.9%	10.3%	7.1%	4
Using a computer for scientific or geographic analysis	0.82	63.7%	11.7%	9.9%	8.7%	6.0%	3
Developing/maintaining a web site	0.73	65.8%	12.8%	9.0%	8.0%	4.4%	3
Writing computer programs	0.40	81.0%	7.8%	4.8%	3.2%	3.2%	5

The following are information technology literacy items broken out by class standing.

Using technology to present work, find information, solve problems

	Mean	Not at All (0)	Very Little (1)	Some (2)	Quite a Bit (3)	A Lot (4)	Missing (N)	Total (N)
Freshmen	2.07	8.6%	20.7%	37.9%	20.7%	12.1%	1	59
Sophomores	2.17	13.6%	16.0%	23.5%	33.3%	13.6%	0	81
Juniors	2.29	7.9%	16.9%	27.0%	34.8%	13.5%	1	179
Seniors	2.48	4.0%	16.1%	30.2%	26.6%	23.0%	0	248
All Respondents	2.34	7.1%	16.8%	29.0%	29.6%	17.5%	2	567

Writing a research paper using a computer

	Mean	Not at All (0)	Very Little (1)	Some (2)	Quite a Bit (3)	A Lot (4)	Missing (N)	Total (N)
Freshmen	1.76	24.1%	17.2%	24.1%	27.6%	6.9%	1	59
Sophomores	1.64	22.2%	19.8%	35.8%	16.0%	6.2%	0	81
Juniors	2.13	12.9%	16.9%	30.9%	23.0%	16.3%	1	179
Seniors	2.27	12.1%	15.8%	27.5%	22.3%	22.3%	1	248
All Respondents	2.08	15.1%	16.8%	29.4%	22.2%	16.5%	3	567

¹ The prompt for this question was slightly different: "To what extent has your experience at Evergreen contributed to your academic and personal growth in using technology to present work, find information, and solve problems?"

Giving a presentation using a computer

	Mean	Not at All (0)	Very Little (1)	Some (2)	Quite a Bit (3)	A Lot (4)	Missing (N)	Total (N)
Freshmen	1.07	44.8%	25.9%	10.3%	15.5%	3.4%	1	59
Sophomores	1.35	33.3%	21.0%	27.2%	14.8%	3.7%	0	81
Juniors	1.62	28.7%	21.3%	19.1%	20.8%	10.1%	1	179
Seniors	1.72	24.7%	24.7%	19.4%	15.8%	15.4%	1	248
All Respondents	1.57	29.3%	23.2%	19.5%	17.2%	10.8%	3	567

Conducting research via the Internet or other on-line sources

	Mean	Not at All (0)	Very Little (1)	Some (2)	Quite a Bit (3)	A Lot (4)	Missing (N)	Total (N)
Freshmen	2.19	17.5%	10.5%	21.1%	36.8%	14.0%	2	59
Sophomores	2.01	17.3%	12.3%	34.6%	23.5%	12.3%	0	81
Juniors	2.34	11.8%	9.6%	29.8%	30.9%	18.0%	1	179
Seniors	2.53	6.9%	15.0%	24.3%	25.9%	27.9%	1	248
All Respondents	2.36	11.0%	12.4%	27.2%	28.2%	21.1%	4	567

Solving mathematical or statistical problems using a computer

	Mean	Not at All (0)	Very Little (1)	Some (2)	Quite a Bit (3)	A Lot (4)	Missing (N)	Total (N)
Freshmen	0.62	63.8%	17.2%	12.1%	6.9%	0%	1	59
Sophomores	0.89	54.3%	19.8%	12.3%	9.9%	3.7%	0	81
Juniors	1.10	45.5%	23.0%	16.3%	6.7%	8.4%	1	179
Seniors	1.36	37.2%	22.3%	17.8%	12.1%	10.5%	1	248
All Respondents	1.13	45.0%	21.6%	16.0%	9.6%	7.8%	3	567

Using the computer for artistic expression (i.e. music, other audio, still images, animation, video, etc.)

	Mean	Not at All (0)	Very Little (1)	Some (2)	Quite a Bit (3)	A Lot (4)	Missing (N)	Total (N)
Freshmen	1.45	37.9%	13.8%	25.9%	10.3%	12.1%	1	59
Sophomores	1.40	39.5%	16.0%	19.8%	14.8%	9.9%	0	81
Juniors	1.28	42.1%	20.2%	15.7%	11.8%	10.1%	1	179
Seniors	1.47	37.7%	17.4%	19.0%	12.6%	13.4%	1	248
All Respondents	1.39	39.4%	17.7%	18.8%	12.4%	11.7%	3	567

Developing/maintaining a web site

	Mean	Not at All (0)	Very Little (1)	Some (2)	Quite a Bit (3)	A Lot (4)	Missing (N)	Total (N)
Freshmen	0.36	75.9%	15.5%	5.2%	3.4%	0%	1	59
Sophomores	0.68	66.7%	13.6%	7.4%	9.9%	2.5%	0	81
Juniors	0.69	68.0%	11.2%	9.0%	7.3%	4.5%	1	179
Seniors	0.85	61.5%	13.0%	10.5%	8.9%	6.1%	1	248
All Respondents	0.73	65.8%	12.8%	9.0%	8.0%	4.4%	3	567

Writing computer programs

	Mean	Not at All (0)	Very Little (1)	Some (2)	Quite a Bit (3)	A Lot (4)	Missing (N)	Total (N)
Freshmen	0.24	86.2%	8.6%	0%	5.2%	0%	1	59
Sophomores	0.39	80.0%	10.0%	3.8%	3.8%	2.5%	1	81
Juniors	0.44	79.7%	7.9%	5.6%	2.8%	4.0%	2	179
Seniors	0.41	81.0%	6.9%	5.7%	2.8%	3.6%	1	248
All Respondents	0.40	81.0%	7.8%	4.8%	3.2%	3.2%	5	567

Preparing a newsletter, brochure, or poster

	Mean	Not at All (0)	Very Little (1)	Some (2)	Quite a Bit (3)	A Lot (4)	Missing (N)	Total (N)
Freshmen	0.78	58.6%	20.7%	8.6%	8.6%	3.4%	1	59
Sophomores	0.99	49.4%	19.8%	19.8%	4.9%	6.2%	0	81
Juniors	1.06	50.3%	16.9%	16.4%	9.0%	7.3%	2	179
Seniors	1.27	42.5%	17.8%	18.2%	13.4%	8.1%	1	248
All Respondents	1.11	47.6%	18.1%	16.9%	10.3%	7.1%	4	567

Using a computer for scientific or geographic analysis

	Mean	Not at All (0)	Very Little (1)	Some (2)	Quite a Bit (3)	A Lot (4)	Missing (N)	Total (N)
Freshmen	0.47	74.1%	12.1%	6.9%	6.9%	0%	1	59
Sophomores	0.60	70.4%	11.1%	9.9%	4.9%	3.7%	0	81
Juniors	0.71	68.0%	10.7%	9.6%	6.2%	5.6%	1	179
Seniors	1.05	55.9%	12.6%	10.9%	12.1%	8.5%	1	248
All Respondents	0.82	63.7%	11.7%	9.9%	8.7%	6.0%	3	567

Utilization of Campus Resources

Students were asked a series of questions to understand their usage of campus resources. Campus resources that appear in boxes below are relevant to technology resources usage at Evergreen.

Utilization of Campus Resources (N=567)

	Mean	Not at All	A Little	Some	A Lot	Missing (N)
Academic Advising Office or advising workshops	1.25	25.9%	34.3%	28.4%	11.4%	4
Academic Fair or Core Fair	1.19	33.1%	27.4%	27.0%	12.5%	5
Access Services for Students with Disabilities	0.13	93.2%	2.3%	2.5%	2.0%	6
Career Development Center (such as attending a career fair or using self-assessment and career development tools)	0.41	73.3%	15.3%	8.4%	3.0%	5
Center for Mediation Services	0.04	97.0%	2.0%	0.7%	0.4%	6
Child Care Services	0.05	97.3%	1.2%	0.4%	1.1%	6
College Recreation Center/Recreation Services	1.20	41.0%	19.3%	18.9%	20.9%	6
Computer Center, Computer Applications Lab, or computer workshops	2.09	7.7%	17.8%	31.9%	42.6%	6
Counseling Center	0.30	81.3%	10.5%	5.2%	3.0%	4
Digital Imaging Studio and/or media workshops	0.63	66.5%	13.0%	11.6%	8.9%	6
Financial Aid Services (such as receiving financial aid assistance or requesting additional information at the office)	1.72	27.8%	11.9%	21.2%	39.1%	5
First People's Advising Services	0.16	91.3%	3.2%	3.4%	2.1%	4
Graduate School Fair	0.25	85.2%	7.9%	4.1%	2.9%	8
Intercity Transit bus service	1.48	39.0%	10.9%	13.6%	36.5%	8
Internship Fair	0.43	73.5%	13.8%	8.8%	3.9%	8
KEY Student Services	0.26	87.3%	4.3%	3.8%	4.6%	7
Library facilities and services	2.18	5.2%	17.1%	32.6%	45.2%	5
Media Loan	1.01	43.5%	23.4%	21.7%	11.4%	6
Police Services	0.28	76.0%	20.4%	2.8%	0.7%	4
Prime Time Advising	0.30	80.5%	11.4%	5.4%	2.7%	7
Quantitative Reasoning Center and/or QR workshops	0.36	79.4%	10.0%	6.4%	4.3%	5
Student Employment Services (such as using the job board or website for finding a job)	0.48	68.4%	19.9%	7.1%	4.6%	4
Student Health Services Office	0.80	52.3%	22.4%	18.0%	7.3%	5
Student On-campus Housing (such as living on campus or using housing resources such as gathering/meeting spaces)	0.76	68.6%	6.4%	5.5%	19.5%	7
Tutors in your program	0.31	82.0%	9.1%	4.8%	4.1%	7
Veterans' Affairs Office/Services	0.07	96.8%	0.9%	1.1%	1.2%	6
Writing Center and/or writing workshops	0.68	58.1%	21.2%	15.0%	5.7%	6

