



Academic Advising: National Survey of Student Engagement-2020

The following analysis summarizes areas in which Marshall's students' responses had effect sizes that were significantly higher or lower than those of the comparison cohort. NOTE: BLANK CELLS INDICATE NO SIGNIFICANT DIFFERENCE BETWEEN MARSHALL AND THE COHORT. For a complete report that includes all items where Marshall's responses were commensurate with the comparison cohort, please refer to the appendix.

- During the current school year, how many times have you discussed your academic interests, course selections, or academic performance with the following individuals?

Individuals	Marshall Mean		Cohort Mean		Effect Size		Interpretation	
	FR	SR	FR	SR	FR	SR	FR	SR
Academic advisor, faculty, or staff assigned to advise you	2.3	2.3	2.0	2.1	0.27	0.13	Higher than cohort	Higher than cohort
Faculty or instructors not assigned to advise you	1.2	1.7	1.0	1.4	0.16	0.22	Higher than cohort	Higher than cohort
Student services staff (career services, academic support, Trio, etc.)		0.8		0.9		-0.11		Lower than cohort
Success or academic coach	0.5	0.4	0.7	0.5	-0.14	-0.13	Lower than cohort	Lower than cohort
Peer advisor or mentor	1.0		1.1		-0.10		Lower than cohort	

- If answered "0" to 1a, 1b, or 1c, do you know how to contact (in person, email, phone, or online) an advisor at your institution? All Marshall students who answered this question responded in the affirmative.

3. Thinking about academic advising, how much have people and resources at your institution done the following?

Items	Marshall Mean		Cohort Mean		Effect Size		Interpretation	
	FR	SR	FR	SR	FR	SR	FR	SR
Notified you of important policies and deadlines		2.8		2.7		0.15		Higher than cohort
Reached out to you about your academic progress or performance		2.3		2.1		0.16		Higher than cohort
Followed up with you regarding something they recommended		2.3		2.2		0.12		Higher than cohort
Cared about your overall well-being		2.9		2.7		0.11		Higher than cohort

4. Thinking about academic advising, how often did someone at the institution discuss the following with you?

Items	Marshall Mean		Cohort Mean		Effect Size		Interpretation	
	FR	SR	FR	SR	FR	SR	FR	SR
Your academic goals and future plans	3.5	3.4	3.3	3.2	0.19	0.16	Higher than cohort	Higher than cohort
How your major or expected major relates to your goals and future plans	3.5	3.5	3.3	3.2	0.17	0.18	Higher than cohort	Higher than cohort
Participates in co-curricular activities (organizations or clubs, performing arts, sports, etc.)		2.8		2.6		0.15		Higher than cohort

5. How much have each of the following helped you develop your academic goals and future plans?

Individuals	Marshall Mean		Cohort Mean		Effect Size		Interpretation	
	FR	SR	FR	SR	FR	SR	FR	SR
Academic advisor, faculty, or staff assigned to advise you	2.6		2.4		0.11		Higher than cohort	
Faculty or instructors not assigned to advise you	2.2	2.5	2.1	2.2	0.16	0.27	Higher than cohort	Higher than cohort
Online advising system (degree progress report, etc.)	2.3	2.5	2.1	2.2	0.19	0.24	Higher than cohort	Higher than cohort

NSSE 2020 Topical Module Report
Academic Advising
Marshall University

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About This Topical Module

This module examines students' experiences with academic advising, including frequency of interaction with advisors and advising practices that reflect NACADA core values. It also asks students to identify who has been most helpful. The module complements a question on the core survey about the quality of students' interactions with academic advisors. Complementary FSSE set available.

Comparison Group

This section summarizes how this module's comparison group was identified, including selection criteria and whether the default option was taken. This is followed by the resulting list of institutions represented in the 'Academic Advising' column of this report.

Group label	Academic Advising
Date submitted	6/3/20
How was this comparison group constructed?	Your institution retained the default comparison group (all module participants).
Group description	All other current- and prior-year (if applicable) NSSE institutions who administered module "Academic Advising"

Academic Advising (N=216)

Abraham Baldwin Agricultural College (Tifton, GA)	California State University, Fresno (Fresno, CA)
Alabama A&M University (Normal, AL)	California State University, Los Angeles (Los Angeles, CA)
Alabama State University (Montgomery, AL)	California State University, Monterey Bay (Seaside, CA)
Albany State University (Albany, GA)	Carleton University (Ottawa, ON)
Alcorn State University (Alcorn State, MS)	Catholic University of America, The (Washington, DC)
Algoma University (Sault Ste. Marie, ON)	Cedarville University (Cedarville, OH)
Aquinas College (Grand Rapids, MI)	Centenary College of Louisiana (Shreveport, LA)
Arcadia University (Glenside, PA)	Charleston Southern University (Charleston, SC)
Barton College (Wilson, NC)	Chowan University (Murfreesboro, NC)
Becker College (Worcester, MA)	Christopher Newport University (Newport News, VA)
Belmont Abbey College (Belmont, NC)	Clark University (Worcester, MA)
Belmont University (Nashville, TN)	Clarke University (Dubuque, IA)
Beloit College (Beloit, WI)	Cleveland Institute of Art (Cleveland, OH)
Bethany College (Bethany, WV)	Cleveland State University (Cleveland, OH)
Bethany Lutheran College (Mankato, MN)	College of Saint Elizabeth (Morristown, NJ)
Bethune-Cookman University (Daytona Beach, FL)	College of Saint Scholastica, The (Duluth, MN)
Binghamton University (State University of New York) (Vestal, NY)	Colorado State University-Pueblo (Pueblo, CO)
Black Hills State University (Spearfish, SD)	Colorado Technical University (Colorado Springs, CO)
Boston University (Boston, MA)	Columbia College (Columbia, SC)
Bowie State University (Bowie, MD)	Columbus State University (Columbus, GA)
Brandon University (Brandon, MB)	Concordia University (Montreal, QC)
Briar Cliff University (Sioux City, IA)	CUNY Medgar Evers College (Brooklyn, NY)
Bridgewater College (Bridgewater, VA)	D'Youville College (Buffalo, NY)
Bridgewater State University (Bridgewater, MA)	Dakota State University (Madison, SD)
Brigham Young University (Provo, UT)	Dalton State College (Dalton, GA)
Bucknell University (Lewisburg, PA)	Davis & Elkins College (Elkins, WV)
Butler University (Indianapolis, IN)	Denison University (Granville, OH)
Cabrini University (Radnor, PA)	Doane University (Crete, NE)
California State Polytechnic University-Pomona (Pomona, CA)	Drury University (Springfield, MO)
California State University-Channel Islands (Camarillo, CA)	Eastern Illinois University (Charleston, IL)

Academic Advising (N=216), continued

Eastern Washington University (Cheney, WA)
Elizabethtown College (Elizabethtown, PA)
Emory University (Atlanta, GA)
Farmingdale State College (Farmingdale, NY)
Fayetteville State University (Fayetteville, NC)
Ferris State University (Big Rapids, MI)
Florida A&M University (Tallahassee, FL)
Florida Institute of Technology (Melbourne, FL)
Florida International University (Miami, FL)
Fort Valley State University (Fort Valley, GA)
Georgia Institute of Technology (Atlanta, GA)
Gettysburg College (Gettysburg, PA)
Glenville State College (Glenville, WV)
Goshen College (Goshen, IN)
Grinnell College (Grinnell, IA)
Hope College (Holland, MI)
Houghton College (Houghton, NY)
Inter American University of Puerto Rico-Metro Campus (San Juan, PR)
James Madison University (Harrisonburg, VA)
Judson College (Marion, AL)
Kansas Wesleyan University (Salina, KS)
Kennesaw State University (Kennesaw, GA)
Kent State University at Ashtabula (Ashtabula, OH)
Kent State University at Geauga (Burton, OH)
Kent State University at Salem (Salem, OH)
Kent State University at Stark (Canton, OH)
Kent State University at Trumbull (Warren, OH)
Kent State University at Tuscarawas (New Philadelphia, OH)
Keuka College (Keuka Park, NY)
King's University, The (Edmonton, AB)
LaGrange College (Lagrange, GA)
Lenoir-Rhyne University (Hickory, NC)
Lewis University (Romeoville, IL)
Lincoln Memorial University (Harrogate, TN)
Lincoln University (Lincoln University, PA)
Lipscomb University (Nashville, TN)
Loras College (Dubuque, IA)
Lyon College (Batesville, AR)
Manhattan College (Riverdale, NY)
Martin Methodist College (Pulaski, TN)
McMaster University (Hamilton, ON)
McNeese State University (Lake Charles, LA)
Meredith College (Raleigh, NC)
Middle Georgia State University (Macon, GA)
Midland University (Fremont, NE)
Midway University (Midway, KY)
Minnesota State University, Mankato (Mankato, MN)
Minot State University (Minot, ND)
Mount Saint Vincent University (Halifax, NS)
Muhlenberg College (Allentown, PA)
Nebraska Methodist College (Omaha, NE)
New Mexico State University (Las Cruces, NM)
New York Institute of Technology (Old Westbury, NY)
Nicholls State University (Thibodaux, LA)
North Carolina Agricultural & Technical State University (Greensboro, NC)
Northern State University (Aberdeen, SD)
Northwestern Oklahoma State University (Alva, OK)
Ohio Northern University (Ada, OH)
Ohio University (Athens, OH)
Oklahoma Christian University (Edmond, OK)
Olivet College (Olivet, MI)
Palm Beach Atlantic University-West Palm Beach (West Palm Beach, FL)
Pitzer College (Claremont, CA)
Presbyterian College (Clinton, SC)
Providence College (Providence, RI)
Purdue University Fort Wayne (Fort Wayne, IN)
Purdue University Northwest (Hammond, IN)
Quest University Canada (Squamish, BC)
Ramapo College of New Jersey (Mahwah, NJ)
Randolph-Macon College (Ashland, VA)
Rhode Island School of Design (Providence, RI)
Rhodes College (Memphis, TN)
Rogers State University (Claremore, OK)
Rollins College (Winter Park, FL)
Ryerson University (Toronto, ON)
Saint Ambrose University (Davenport, IA)
Saint Mary's University (Halifax, NS)
Saint Michael's College (Colchester, VT)
Saint Norbert College (De Pere, WI)
Salve Regina University (Newport, RI)
San Francisco State University (San Francisco, CA)
School of the Art Institute of Chicago (Chicago, IL)
Shaw University (Raleigh, NC)
Siena Heights University (Adrian, MI)
Simmons University (Boston, MA)
South Dakota State University (Brookings, SD)
Southern Connecticut State University (New Haven, CT)
Southwestern University (Georgetown, TX)
St. Edward's University (Austin, TX)
St. Francis College (Brooklyn Heights, NY)
St. Louis College of Pharmacy (Saint Louis, MO)
State University of New York at Brockport (Brockport, NY)
State University of New York at Fredonia (Fredonia, NY)
State University of New York at Geneseo, The (Geneseo, NY)
State University of New York at Potsdam, The (Potsdam, NY)
Stockton University (Galloway, NJ)
SUNY Cortland (Cortland, NY)
Susquehanna University (Selingsgrove, PA)
Taylor University (Upland, IN)
Texas A&M International University (Laredo, TX)
Texas Wesleyan University (Fort Worth, TX)
Thomas More University (Crestview Hills, KY)
Truman State University (Kirksville, MO)
Tyndale University (Toronto, ON)
United States Coast Guard Academy (New London, CT)
Université d'Ottawa / University of Ottawa (Ottawa, ON)
University at Albany, SUNY, The (Albany, NY)
University of Calgary (Calgary, AB)
University of Charleston (Charleston, WV)
University of Houston (Houston, TX)
University of Illinois at Chicago (Chicago, IL)
University of Indianapolis (Indianapolis, IN)
University of Maine (Orono, ME)
University of Maine at Augusta (Augusta, ME)
University of Maine at Farmington (Farmington, ME)
University of Maine at Fort Kent (Fort Kent, ME)

*2019 participant

Academic Advising (N=216), continued

University of Maine at Machias (Machias, ME)
University of Maine at Presque Isle (Presque Isle, ME)
University of Massachusetts Boston (Boston, MA)
University of Minnesota Morris (Morris, MN)
University of New Hampshire at Manchester (Manchester, NH)
University of New Haven (West Haven, CT)
University of North Carolina at Charlotte (Charlotte, NC)
University of North Georgia (Dahlonega, GA)
University of Northern Iowa (Cedar Falls, IA)
University of Providence (Great Falls, MT)
University of San Francisco (San Francisco, CA)
University of South Carolina Aiken (Aiken, SC)
University of South Dakota (Vermillion, SD)
University of Southern Maine (Portland, ME)
University of Tennessee at Chattanooga, The (Chattanooga, TN)
University of Texas at Dallas, The (Richardson, TX)
University of Texas at El Paso, The (El Paso, TX)
University of Texas at San Antonio, The (San Antonio, TX)
University of Texas at Tyler, The (Tyler, TX)
University of Texas Permian Basin, The (Odessa, TX)
University of Texas Rio Grande Valley, The (Edinburg, TX)
University of Toronto (Toronto, ON)
University of Vermont (Burlington, VT)
University of Virginia's College at Wise, The (Wise, VA)
University of Waterloo (Waterloo, ON)
University of Wisconsin-Eau Claire (Eau Claire, WI)
University of Wisconsin-La Crosse (La Crosse, WI)
University of Wisconsin-Milwaukee (Milwaukee, WI)
University of Wisconsin-Parkside (Kenosha, WI)
University of Wisconsin-Stout (Menomonie, WI)
University of Wisconsin-Superior (Superior, WI)
Vaughn College of Aeronautics and Technology (Flushing, NY)
Virginia Commonwealth University (Richmond, VA)
Wayne State University (Detroit, MI)
Western Colorado University (Gunnison, CO)
Westfield State University (Westfield, MA)
Westmont College (Santa Barbara, CA)
William Paterson University of New Jersey (Wayne, NJ)
York University (Toronto, ON)
Young Harris College (Young Harris, GA)

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				Marshall		Academic Advising		Marshall	Academic Advising	
				Count	%	Count	%	Mean	Mean	Effect size ^d
1. During the current school year, how many times have you discussed your academic interests, course selections, or academic performance with the following individuals?										
a. Academic advisor, faculty, or staff assigned to advise you	AAD01a	0 0		23	5	13,151	16	2.3	2.0 ***	.27 △
		1 1		95	21	14,260	20			
		2 2		130	27	17,173	25			
		3 3		123	26	13,145	19			
		4 4 or more		88	19	10,750	16			
		— Not applicable		6	2	2,268	3			
		Total		465	100	70,747	100			
b. Academic advisor(s) available to any student	AAD01b	0 0		140	31	24,287	33	1.5	1.4	.01
		1 1		100	22	15,156	21			
		2 2		85	18	12,718	18			
		3 3		62	13	8,849	13			
		4 4 or more		47	10	6,597	10			
		— Not applicable		31	7	2,991	4			
		Total		465	100	70,598	100			
c. Faculty or instructor(s) not assigned to advise you	AAD01c	0 0		183	39	34,772	48	1.2	1.0 **	.16 △
		1 1		92	20	12,064	17			
		2 2		82	17	9,802	14			
		3 3		47	10	5,718	8			
		4 4 or more		34	8	4,181	6			
		— Not applicable		26	6	4,012	6			
		Total		464	100	70,549	100			
d. Student services staff (career services, academic support, Trio, etc.)	AAD01d	0 0		223	49	36,705	51	1.0	1.0	.00
		1 1		83	18	11,673	16			
		2 2		72	15	9,125	13			
		3 3		24	5	5,570	8			
		4 4 or more		30	7	3,847	6			
		— Not applicable		30	7	3,585	5			
		Total		462	100	70,505	100			
e. Success or academic coach	AAD01e	0 0		327	70	47,073	65	0.5	0.7 ***	-.14 ▽
		1 1		26	6	6,298	9			
		2 2		26	5	5,413	8			
		3 3		22	5	4,178	6			
		4 4 or more		17	4	3,042	5			
		— Not applicable		45	10	4,557	7			
		Total		463	100	70,561	100			
f. Peer advisor or mentor	AAD01f	0 0		232	51	34,073	49	1.0	1.1 *	-.10 ▽
		1 1		76	16	10,257	14			
		2 2		61	12	8,824	13			
		3 3		28	6	6,275	9			
		4 4 or more		40	8	7,369	10			
		— Not applicable		27	6	3,802	6			
		Total		464	100	70,600	100			
g. Other, please specify:	AAD01g	0 0		11	29	1,397	25			
		1 1		2	4	321	5			
		2 2		4	8	420	7			
		3 3		2	4	456	8			
		4 4 or more		15	38	1,989	33			
		— Not applicable		7	16	1,275	22			
		Total		41	100	5,858	100			

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to the endnotes page for the key to triangle symbols.

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				Marshall		Academic Advising		Marshall	Academic Advising	Effect size ^d
				Count	%	Count	%	Mean	Mean	
2. [If answered "0" to 1a., 1b., and 1c.] Do you know how to contact (in person, email, phone, or online) an advisor at your institution?^j										
	AAD02	No		0	0	1,735	20			
		Yes		11	100	4,820	61			
		Unsure		0	0	1,644	19			
		Total		11	100	8,199	100			
3. Thinking about academic advising, how much have people and resources at your institution done the following?										
a. Been available when needed	AAD03a	1	Very little	33	7	4,523	6	2.9	2.8	.05
		2	Some	111	23	18,179	26			
		3	Quite a bit	196	42	27,965	40			
		4	Very much	119	26	15,320	23			
		—	Not applicable	5	1	4,514	6			
		Total		464	100	70,501	100			
b. Provided prompt and accurate information	AAD03b	1	Very little	28	6	4,208	6	2.9	2.9	.04
		2	Some	126	27	17,816	25			
		3	Quite a bit	170	36	28,102	40			
		4	Very much	129	28	15,431	23			
		—	Not applicable	8	2	4,545	6			
		Total		461	100	70,102	100			
c. Provided information about learning support services (tutoring, writing center, success skills, etc.)	AAD03c	1	Very little	40	8	4,750	7	2.9	2.9	-.03
		2	Some	102	23	16,593	23			
		3	Quite a bit	182	39	26,521	38			
		4	Very much	122	26	17,473	26			
		—	Not applicable	17	4	4,951	6			
		Total		463	100	70,288	100			
d. Notified you of important policies and deadlines	AAD03d	1	Very little	37	8	6,237	9	2.9	2.8	.05
		2	Some	111	24	17,394	25			
		3	Quite a bit	179	38	25,963	37			
		4	Very much	126	27	16,724	25			
		—	Not applicable	9	2	3,979	5			
		Total		462	100	70,297	100			
e. Reached out to you about your academic progress or performance	AAD03e	1	Very little	107	23	19,695	27	2.4	2.3	.08
		2	Some	137	30	18,005	26			
		3	Quite a bit	108	22	15,022	22			
		4	Very much	81	17	9,441	15			
		—	Not applicable	30	7	8,098	11			
		Total		463	100	70,261	100			
f. Followed up with you regarding something they recommended	AAD03f	1	Very little	98	21	16,918	23	2.3	2.3	.03
		2	Some	141	31	17,803	26			
		3	Quite a bit	104	22	15,431	23			
		4	Very much	74	15	8,904	14			
		—	Not applicable	48	11	11,142	15			
		Total		465	100	70,198	100			
g. Asked questions about your educational background and needs	AAD03g	1	Very little	136	30	19,420	27	2.2	2.2	-.02
		2	Some	124	27	18,076	26			
		3	Quite a bit	106	23	14,619	22			
		4	Very much	63	13	8,169	13			
		—	Not applicable	34	7	9,919	13			
		Total		463	100	70,203	100			

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				Marshall		Academic Advising		Marshall	Academic Advising	Effect size ^d
				Count	%	Count	%	Mean	Mean	
h. Actively listened to your concerns	AAD03h	1	Very little	48	10	8,097	11	2.7	2.7	.00
		2	Some	127	28	17,906	26			
		3	Quite a bit	158	34	21,081	30			
		4	Very much	98	20	14,275	21			
		—	Not applicable	32	7	8,834	12			
Total				463	100	70,193	100			
i. Respected your identity and culture	AAD03i	1	Very little	13	3	2,491	4	3.2	3.2	.00
		2	Some	72	16	9,886	14			
		3	Quite a bit	159	34	22,141	31			
		4	Very much	165	36	24,647	36			
		—	Not applicable	53	12	11,019	15			
Total				462	100	70,184	100			
j. Cared about your overall well-being	AAD03j	1	Very little	29	6	5,871	8	2.9	2.9	.03
		2	Some	117	25	16,126	23			
		3	Quite a bit	168	37	21,623	31			
		4	Very much	129	27	18,959	28			
		—	Not applicable	20	5	7,700	10			
Total				463	100	70,279	100			
4. Thinking about academic advising, about how often did someone at your institution discuss the following with you?										
a. Your academic goals and future plans	AAD04a	1	Never	13	3	6,531	8	3.5	3.3 ***	.19
		2	Rarely	58	12	10,404	14			
		3	Sometimes	162	35	20,141	29			
		4	Often	127	28	17,002	25			
		5	Very often	97	20	11,021	17			
		—	Not applicable	6	2	4,997	6			
Total				463	100	70,096	100			
b. How your major or expected major relates to your goals and future plans	AAD04b	1	Never	26	6	6,977	9	3.5	3.3 ***	.17
		2	Rarely	51	11	9,674	13			
		3	Sometimes	130	29	18,313	26			
		4	Often	143	31	17,964	26			
		5	Very often	103	22	11,955	18			
		—	Not applicable	6	2	5,112	7			
Total				459	100	69,995	100			
c. Special opportunities (study abroad, internship, service-learning, research, etc.)	AAD04c	1	Never	79	16	9,464	13	2.9	3.0	-.06
		2	Rarely	88	19	12,698	18			
		3	Sometimes	133	29	19,765	28			
		4	Often	82	18	14,186	20			
		5	Very often	62	14	8,121	12			
		—	Not applicable	16	4	5,729	8			
Total				460	100	69,963	100			
d. Participation in co-curricular activities (organizations or clubs, performing arts, sports, etc.)	AAD04d	1	Never	74	16	11,181	16	2.9	2.9	.02
		2	Rarely	96	21	13,350	19			
		3	Sometimes	131	28	18,913	27			
		4	Often	84	18	12,962	19			
		5	Very often	61	13	7,282	11			
		—	Not applicable	16	4	6,246	9			
Total				462	100	69,934	100			

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to the endnotes page for the key to triangle symbols.

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				Marshall		Academic Advising		Marshall	Academic Advising	Effect size ^d
				Count	%	Count	%	Mean	Mean	
e. Resources for your well-being (health, counseling, financial guidance, etc.)	AAD04e	1	Never	54	12	8,373	12	3.1	3.1	.03
		2	Rarely	79	17	11,908	17			
		3	Sometimes	145	32	20,461	29			
		4	Often	98	21	15,078	22			
		5	Very often	71	15	8,511	13			
		—	Not applicable	14	3	5,692	8			
	Total	461	100	70,023	100					
5. How much have each of the following helped you develop your academic goals and future plans?										
a. Academic advisor, faculty, or staff assigned to advise you	AAD05a	1	Very little	75	16	13,626	19	2.6	2.4 *	.11
		2	Some	142	31	19,610	28			
		3	Quite a bit	144	31	18,259	27			
		4	Very much	90	20	9,970	15			
		—	Not applicable	8	2	8,354	11			
			Total	459	100	69,819	100			
b. Academic advisor(s) available to any student	AAD05b	1	Very little	106	23	16,067	22	2.3	2.3	.00
		2	Some	118	25	17,877	26			
		3	Quite a bit	94	20	14,024	21			
		4	Very much	57	12	7,022	11			
		—	Not applicable	85	19	14,735	20			
			Total	460	100	69,725	100			
c. Faculty or instructor(s) <i>not</i> assigned to advise you	AAD05c	1	Very little	98	21	18,715	26	2.2	2.1 **	.16
		2	Some	115	26	16,307	24			
		3	Quite a bit	91	19	10,638	16			
		4	Very much	48	10	5,159	8			
		—	Not applicable	109	24	18,871	26			
			Total	461	100	69,690	100			
d. Online advising system (degree progress report, etc.)	AAD05d	1	Very little	107	24	17,835	25	2.3	2.1 ***	.19
		2	Some	90	19	15,192	22			
		3	Quite a bit	103	21	11,129	16			
		4	Very much	61	13	5,672	9			
		—	Not applicable	101	22	19,842	28			
			Total	462	100	69,670	100			
e. Website, catalog, or other published sources	AAD05e	1	Very little	110	25	15,663	22	2.2	2.2	-.02
		2	Some	103	22	19,396	28			
		3	Quite a bit	102	22	13,784	20			
		4	Very much	44	9	6,446	10			
		—	Not applicable	101	23	14,331	20			
			Total	460	100	69,620	100			
f. Student services staff (career services, academic support, Trio, etc.)	AAD05f	1	Very little	127	28	19,773	28	2.0	2.0	.03
		2	Some	106	23	15,630	22			
		3	Quite a bit	61	13	9,433	14			
		4	Very much	42	9	4,675	7			
		—	Not applicable	124	27	20,104	29			
			Total	460	100	69,615	100			
g. Success or academic coach	AAD05g	1	Very little	108	24	19,367	27	2.0	2.0	.00
		2	Some	70	15	11,285	17			
		3	Quite a bit	48	10	7,441	11			
		4	Very much	27	6	4,164	7			
		—	Not applicable	207	45	27,335	39			
			Total	460	100	69,592	100			

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to the endnotes page for the key to triangle symbols.

First-Year Students

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				Marshall		Academic Advising		Marshall	Academic Advising	Effect size ^d
				Count	%	Count	%	Mean	Mean	
h. Peer advisor or mentor	AAD05h	1	Very little	106	24	16,553	23	2.1	2.2	-.03
		2	Some	98	22	15,120	21			
		3	Quite a bit	72	16	10,790	16			
		4	Very much	40	8	6,085	9			
		—	Not applicable	142	31	21,016	31			
			Total	458	100	69,564	100			
i. Friends or other students	AAD05i	1	Very little	43	10	6,045	9	2.7	2.8	-.03
		2	Some	125	27	19,255	28			
		3	Quite a bit	166	36	24,278	34			
		4	Very much	110	23	16,881	24			
		—	Not applicable	15	3	3,244	5			
			Total	459	100	69,703	100			
j. Family members	AAD05j	1	Very little	52	12	6,774	10	2.9	2.9	.05
		2	Some	102	22	15,978	23			
		3	Quite a bit	118	26	21,773	31			
		4	Very much	177	39	22,172	31			
		—	Not applicable	8	2	2,836	4			
			Total	457	100	69,533	100			
k. Other, please specify:	AAD05k	1	Very little	0	0	57	3			
		2	Some	0	0	122	7			
		3	Quite a bit	1	7	184	10			
		4	Very much	6	56	431	24			
		—	Not applicable	5	36	1,084	57			
			Total	12	100	1,878	100			

6. Regarding academic advising, who has been the most helpful and in what way?

This final question asked students to respond in an open text box. Comments were recorded for 259 first-year students and 275 seniors. Responses are provided in your "NSSE20 Student Comments" report and in a separate SPSS data file.

These open-ended responses appear exactly as respondents entered them and may not be suitable for distribution without prior review.

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to the endnotes page for the key to triangle symbols.

Seniors

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				Marshall		Academic Advising		Marshall	Academic Advising	Effect size ^d
				Count	%	Count	%	Mean	Mean	
1. During the current school year, how many times have you discussed your academic interests, course selections, or academic performance with the following individuals?										
a. Academic advisor, faculty, or staff assigned to advise you	AAD01a	0	0	45	11	12,382	16	2.3	2.1 ***	.13 △
		1	1	89	22	14,444	20			
		2	2	111	26	15,811	22			
		3	3	62	14	11,533	16			
		4	4 or more	116	27	16,259	22			
		—	Not applicable	3	1	2,051	3			
			Total	426	100	72,480	100			
b. Academic advisor(s) available to any student	AAD01b	0	0	153	36	26,199	35	1.4	1.4	-.01
		1	1	75	18	14,505	20			
		2	2	80	19	11,575	16			
		3	3	45	10	7,816	11			
		4	4 or more	51	12	8,916	13			
		—	Not applicable	21	5	3,309	5			
			Total	425	100	72,320	100			
c. Faculty or instructor(s) not assigned to advise you	AAD01c	0	0	127	30	28,673	40	1.7	1.4 ***	.22 △
		1	1	79	18	11,907	16			
		2	2	76	18	11,202	15			
		3	3	55	13	7,303	10			
		4	4 or more	73	17	9,388	13			
		—	Not applicable	16	4	3,889	6			
			Total	426	100	72,362	100			
d. Student services staff (career services, academic support, Trio, etc.)	AAD01d	0	0	253	60	39,477	54	0.8	0.9 *	-.11 ▽
		1	1	56	13	11,593	16			
		2	2	55	13	8,056	11			
		3	3	19	4	4,951	7			
		4	4 or more	21	5	4,326	6			
		—	Not applicable	23	5	3,950	6			
			Total	427	100	72,353	100			
e. Success or academic coach	AAD01e	0	0	328	77	51,968	71	0.4	0.5 ***	-.13 ▽
		1	1	18	5	5,094	7			
		2	2	18	4	3,944	6			
		3	3	14	3	3,098	5			
		4	4 or more	13	3	2,705	4			
		—	Not applicable	36	8	5,560	8			
			Total	427	100	72,369	100			
f. Peer advisor or mentor	AAD01f	0	0	277	65	45,464	62	0.7	0.8	-.06
		1	1	38	9	6,683	9			
		2	2	30	7	5,428	8			
		3	3	22	5	4,098	6			
		4	4 or more	30	7	5,307	8			
		—	Not applicable	28	6	5,424	8			
			Total	425	100	72,404	100			
g. Other, please specify:	AAD01g	0	0	15	41	1,793	29			
		1	1	0	0	290	5			
		2	2	3	7	354	5			
		3	3	2	4	358	6			
		4	4 or more	7	19	1,917	29			
		—	Not applicable	11	29	1,658	26			
			Total	38	100	6,370	100			

Seniors

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				Marshall		Academic Advising		Marshall	Academic Advising	Effect size ^d
				Count	%	Count	%	Mean	Mean	
2. [If answered "0" to 1a., 1b., and 1c.] Do you know how to contact (in person, email, phone, or online) an advisor at your institution?^j										
	AAD02	No		0	0	801	12			
		Yes		16	100	4,680	77			
		Unsure		0	0	695	10			
		Total		16	100	6,176	100			
3. Thinking about academic advising, how much have people and resources at your institution done the following?										
a. Been available when needed	AAD03a	1	Very little	30	7	6,941	10	2.8	2.7	.07
		2	Some	118	28	20,331	28			
		3	Quite a bit	173	41	26,488	36			
		4	Very much	96	22	15,489	22			
		—	Not applicable	8	2	2,998	4			
		Total		425	100	72,247	100			
b. Provided prompt and accurate information	AAD03b	1	Very little	43	10	7,219	10	2.8	2.7	.06
		2	Some	102	24	20,084	28			
		3	Quite a bit	177	41	26,282	36			
		4	Very much	98	23	15,348	22			
		—	Not applicable	7	2	2,945	4			
		Total		427	100	71,878	100			
c. Provided information about learning support services (tutoring, writing center, success skills, etc.)	AAD03c	1	Very little	71	17	9,547	13	2.5	2.6	-.08
		2	Some	117	27	20,499	28			
		3	Quite a bit	140	32	22,567	31			
		4	Very much	74	18	13,304	19			
		—	Not applicable	24	6	6,136	8			
		Total		426	100	72,053	100			
d. Notified you of important policies and deadlines	AAD03d	1	Very little	45	11	9,710	13	2.8	2.7 **	.15
		2	Some	94	22	19,173	26			
		3	Quite a bit	159	37	24,259	34			
		4	Very much	114	27	15,400	22			
		—	Not applicable	14	3	3,519	5			
		Total		426	100	72,061	100			
e. Reached out to you about your academic progress or performance	AAD03e	1	Very little	124	29	24,871	34	2.3	2.1 **	.16
		2	Some	111	26	17,538	24			
		3	Quite a bit	100	24	13,266	19			
		4	Very much	73	17	8,970	13			
		—	Not applicable	16	4	7,416	10			
		Total		424	100	72,061	100			
f. Followed up with you regarding something they recommended	AAD03f	1	Very little	110	26	22,447	31	2.3	2.2 *	.12
		2	Some	114	27	17,327	24			
		3	Quite a bit	102	24	13,816	20			
		4	Very much	63	15	8,835	13			
		—	Not applicable	37	8	9,589	13			
		Total		426	100	72,014	100			
g. Asked questions about your educational background and needs	AAD03g	1	Very little	137	32	24,683	34	2.2	2.1	.09
		2	Some	111	26	17,845	25			
		3	Quite a bit	87	21	13,016	18			
		4	Very much	60	14	8,185	12			
		—	Not applicable	30	7	8,262	11			
		Total		425	100	71,991	100			

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to the endnotes page for the key to triangle symbols.

Seniors

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				Marshall		Academic Advising		Marshall	Academic Advising	Effect size ^d
				Count	%	Count	%	Mean	Mean	
h. Actively listened to your concerns	AAD03h	1	Very little	61	15	10,944	15	2.6	2.6	.03
		2	Some	115	27	19,393	27			
		3	Quite a bit	132	31	20,438	28			
		4	Very much	97	22	14,951	21			
		—	Not applicable	20	5	6,263	8			
Total				425	100	71,989	100			
i. Respected your identity and culture	AAD03i	1	Very little	18	4	3,978	6	3.1	3.1	.06
		2	Some	54	12	10,803	15			
		3	Quite a bit	156	37	21,240	29			
		4	Very much	141	34	23,836	34			
		—	Not applicable	56	13	12,154	17			
Total				425	100	72,011	100			
j. Cared about your overall well-being	AAD03j	1	Very little	48	11	9,181	13	2.9	2.7 *	.11
		2	Some	94	22	17,434	24			
		3	Quite a bit	127	30	20,164	28			
		4	Very much	129	31	18,441	26			
		—	Not applicable	28	7	6,833	9			
Total				426	100	72,053	100			
4. Thinking about academic advising, about how often did someone at your institution discuss the following with you?										
a. Your academic goals and future plans	AAD04a	1	Never	26	7	6,947	9	3.4	3.2 **	.16
		2	Rarely	63	15	12,020	17			
		3	Sometimes	134	31	20,918	29			
		4	Often	100	24	16,643	23			
		5	Very often	96	23	12,196	17			
		—	Not applicable	5	1	3,174	4			
Total				424	100	71,898	100			
b. How your major or expected major relates to your goals and future plans	AAD04b	1	Never	32	7	8,228	11	3.5	3.2 ***	.18
		2	Rarely	63	15	11,151	16			
		3	Sometimes	111	26	18,678	26			
		4	Often	105	25	17,045	24			
		5	Very often	105	25	13,365	19			
		—	Not applicable	7	2	3,378	4			
Total				423	100	71,845	100			
c. Special opportunities (study abroad, internship, service-learning, research, etc.)	AAD04c	1	Never	71	16	11,735	17	2.9	2.9	-.01
		2	Rarely	91	21	13,292	18			
		3	Sometimes	96	23	19,087	26			
		4	Often	71	17	13,375	18			
		5	Very often	60	14	9,091	13			
		—	Not applicable	35	8	5,268	7			
Total				424	100	71,848	100			
d. Participation in co-curricular activities (organizations or clubs, performing arts, sports, etc.)	AAD04d	1	Never	80	19	16,784	24	2.8	2.6 **	.15
		2	Rarely	90	21	15,332	21			
		3	Sometimes	88	21	16,303	23			
		4	Often	67	16	9,909	14			
		5	Very often	57	13	6,814	10			
		—	Not applicable	40	10	6,594	9			
Total				422	100	71,736	100			

Seniors

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				Marshall		Academic Advising		Marshall	Academic Advising	Effect size ^d
				Count	%	Count	%	Mean	Mean	
e. Resources for your well-being (health, counseling, financial guidance, etc.)	AAD04e	1	Never	88	21	14,146	20	2.8	2.7	.08
		2	Rarely	80	19	15,562	21			
		3	Sometimes	96	23	19,075	26			
		4	Often	67	16	10,797	15			
		5	Very often	59	14	6,662	10			
		—	Not applicable	32	8	5,611	8			
	Total	422	100	71,853	100					
5. How much have each of the following helped you develop your academic goals and future plans?										
a. Academic advisor, faculty, or staff assigned to advise you	AAD05a	1	Very little	83	20	16,967	23	2.5	2.4	.09
		2	Some	123	30	19,390	27			
		3	Quite a bit	124	29	17,276	24			
		4	Very much	84	19	12,322	18			
		—	Not applicable	8	2	5,692	7			
			Total	422	100	71,647	100			
b. Academic advisor(s) available to any student	AAD05b	1	Very little	120	28	21,286	29	2.2	2.1	.05
		2	Some	107	26	17,657	25			
		3	Quite a bit	79	19	12,010	17			
		4	Very much	50	12	7,391	11			
		—	Not applicable	64	15	13,276	18			
			Total	420	100	71,620	100			
c. Faculty or instructor(s) <i>not</i> assigned to advise you	AAD05c	1	Very little	84	20	18,152	25	2.5	2.2 ***	.27
		2	Some	92	22	17,022	24			
		3	Quite a bit	99	24	13,055	18			
		4	Very much	86	20	8,923	13			
		—	Not applicable	59	14	14,433	20			
			Total	420	100	71,585	100			
d. Online advising system (degree progress report, etc.)	AAD05d	1	Very little	88	21	19,427	27	2.5	2.2 ***	.24
		2	Some	83	20	14,816	21			
		3	Quite a bit	99	23	12,603	18			
		4	Very much	77	18	8,869	13			
		—	Not applicable	75	18	15,866	22			
			Total	422	100	71,581	100			
e. Website, catalog, or other published sources	AAD05e	1	Very little	101	25	18,958	26	2.3	2.2	.10
		2	Some	102	24	18,902	26			
		3	Quite a bit	86	20	13,397	19			
		4	Very much	57	14	7,298	11			
		—	Not applicable	75	18	12,984	18			
			Total	421	100	71,539	100			
f. Student services staff (career services, academic support, Trio, etc.)	AAD05f	1	Very little	140	34	25,779	36	1.9	1.9	.07
		2	Some	84	20	14,779	21			
		3	Quite a bit	39	9	7,876	11			
		4	Very much	41	10	4,529	7			
		—	Not applicable	117	27	18,604	26			
			Total	421	100	71,567	100			
g. Success or academic coach	AAD05g	1	Very little	122	29	23,698	33	1.8	1.7	.10
		2	Some	35	9	8,620	12			
		3	Quite a bit	29	7	5,258	8			
		4	Very much	30	7	3,364	5			
		—	Not applicable	204	48	30,581	42			
			Total	420	100	71,521	100			

*p<.05, **p<.01, ***p<.001 (2-tailed); Refer to the endnotes page for the key to triangle symbols.

Seniors

Item wording or description	Variable name	Values ^c	Response options	Frequency Distributions ^a				Statistical Comparisons ^b		
				Marshall		Academic Advising		Marshall	Academic Advising	Effect size ^d
				Count	%	Count	%	Mean	Mean	
h. Peer advisor or mentor	AAD05h	1	Very little	107	26	21,314	29	2.0	1.9	.11
		2	Some	57	14	10,575	15			
		3	Quite a bit	40	9	7,145	10			
		4	Very much	38	9	4,598	7			
		—	Not applicable	176	41	27,858	38			
			Total	418	100	71,490	100			
i. Friends or other students	AAD05i	1	Very little	48	12	6,701	10	2.8	2.8	.00
		2	Some	110	26	18,768	26			
		3	Quite a bit	127	29	23,671	32			
		4	Very much	117	28	18,474	25			
		—	Not applicable	19	5	3,992	6			
			Total	421	100	71,606	100			
j. Family members	AAD05j	1	Very little	50	12	9,787	14	2.8	2.7	.07
		2	Some	107	26	17,481	25			
		3	Quite a bit	117	27	20,030	27			
		4	Very much	128	31	20,276	28			
		—	Not applicable	19	5	3,867	6			
			Total	421	100	71,441	100			
k. Other, please specify:	AAD05k	1	Very little	1	5	76	3			
		2	Some	0	0	146	6			
		3	Quite a bit	4	21	242	9			
		4	Very much	2	13	640	25			
		—	Not applicable	9	62	1,462	57			
			Total	16	100	2,566	100			

6. Regarding academic advising, who has been the most helpful and in what way?

This final question asked students to respond in an open text box. Comments were recorded for 259 first-year students and 275 seniors. Responses are provided in your "NSSE20 Student Comments" report and in a separate SPSS data file.

These open-ended responses appear exactly as respondents entered them and may not be suitable for distribution without prior review.

First-Year Students

Variable name	N	Mean		Standard error ^f		Standard deviation ^g		DF ^h	Sig. ⁱ	Effect size ^d
		Marshall	Academic Advising	Marshall	Academic Advising	Marshall	Academic Advising			
AAD01a	452	2.34	1.98	.055	.005	1.17	1.32	458	.000	.27
AAD01b	428	1.46	1.44	.065	.005	1.36	1.35	77,230	.767	.01
AAD01c	433	1.23	1.02	.063	.005	1.31	1.27	75,912	.001	.16
AAD01d	425	0.95	0.95	.060	.005	1.24	1.25	76,312	.989	.00
AAD01e	411	0.50	0.67	.053	.004	1.08	1.18	415	.002	-.14
AAD01f	429	0.98	1.13	.064	.005	1.32	1.41	434	.021	-.10
AAD03a	452	2.87	2.83	.042	.003	0.88	0.87	75,951	.300	.05
AAD03b	446	2.89	2.85	.043	.003	0.90	0.86	75,461	.357	.04
AAD03c	437	2.86	2.88	.044	.003	0.92	0.89	75,108	.592	-.03
AAD03d	446	2.86	2.82	.044	.003	0.92	0.92	76,156	.282	.05
AAD03e	426	2.36	2.27	.051	.004	1.05	1.06	71,785	.083	.08
AAD03f	409	2.35	2.32	.050	.004	1.02	1.04	68,401	.561	.03
AAD03g	423	2.21	2.23	.051	.004	1.04	1.04	69,842	.740	-.02
AAD03h	424	2.69	2.69	.045	.004	0.93	0.98	70,891	.982	.00
AAD03i	404	3.17	3.17	.041	.003	0.82	0.85	68,320	.961	.00
AAD03j	436	2.90	2.87	.043	.004	0.89	0.96	441	.531	.03
AAD04a	451	3.51	3.29	.049	.004	1.04	1.19	457	.000	.19
AAD04b	446	3.53	3.33	.054	.004	1.13	1.22	452	.000	.17
AAD04c	436	2.93	3.00	.061	.005	1.28	1.23	73,731	.211	-.06
AAD04d	440	2.92	2.90	.060	.005	1.27	1.25	73,073	.718	.02
AAD04e	441	3.12	3.08	.058	.004	1.22	1.21	73,842	.498	.03
AAD05a	444	2.55	2.44	.047	.004	0.99	1.00	71,349	.023	.11
AAD05b	368	2.26	2.26	.054	.004	1.04	1.01	63,446	.939	.00
AAD05c	347	2.24	2.08	.054	.004	1.00	1.00	58,614	.003	.16
AAD05d	355	2.31	2.12	.057	.004	1.08	1.02	358	.001	.19
AAD05e	351	2.19	2.21	.054	.004	1.02	0.98	63,233	.774	-.02
AAD05f	330	2.04	2.01	.057	.004	1.03	1.00	56,777	.550	.03
AAD05g	251	1.96	1.96	.065	.005	1.03	1.03	48,672	.968	.00
AAD05h	313	2.12	2.15	.057	.004	1.01	1.03	55,184	.596	-.03
AAD05i	439	2.74	2.77	.045	.003	0.94	0.94	75,530	.536	-.03
AAD05j	444	2.93	2.88	.050	.004	1.04	0.99	448	.292	.05

See the endnotes on the last page of this report.

Seniors

Variable name	N	Mean		Standard error ^f		Standard deviation ^g		DF ^h	Sig. ⁱ	Effect size ^d
		Marshall	Academic Advising	Marshall	Academic Advising	Marshall	Academic Advising			
AAD01a	418	2.26	2.09	.066	.005	1.35	1.40	80,956	.010	.13
AAD01b	401	1.42	1.43	.071	.005	1.42	1.42	79,149	.898	-.01
AAD01c	405	1.69	1.37	.073	.005	1.47	1.45	78,421	.000	.22
AAD01d	399	0.75	0.88	.058	.004	1.16	1.25	78,291	.033	-.11
AAD01e	386	0.38	0.52	.049	.004	0.97	1.09	390	.004	-.13
AAD01f	393	0.71	0.79	.063	.005	1.25	1.30	76,749	.230	-.06
AAD03a	412	2.80	2.73	.043	.003	0.87	0.93	416	.111	.07
AAD03b	415	2.78	2.73	.045	.003	0.91	0.93	79,301	.237	.06
AAD03c	398	2.53	2.61	.050	.004	1.00	0.97	75,785	.112	-.08
AAD03d	408	2.82	2.68	.048	.004	0.97	0.98	411	.003	.15
AAD03e	403	2.30	2.12	.054	.004	1.08	1.07	74,647	.001	.16
AAD03f	386	2.30	2.17	.053	.004	1.05	1.07	72,162	.016	.12
AAD03g	393	2.19	2.10	.054	.004	1.07	1.06	73,570	.091	.09
AAD03h	401	2.64	2.60	.050	.004	1.01	1.02	75,617	.506	.03
AAD03i	364	3.15	3.09	.044	.004	0.84	0.92	368	.216	.06
AAD03j	393	2.85	2.74	.051	.004	1.01	1.02	74,929	.027	.11
AAD04a	413	3.42	3.23	.058	.004	1.19	1.22	79,001	.002	.16
AAD04b	411	3.47	3.24	.061	.005	1.23	1.27	78,682	.000	.18
AAD04c	384	2.90	2.91	.067	.005	1.32	1.29	76,369	.917	-.01
AAD04d	376	2.82	2.62	.069	.005	1.35	1.31	74,725	.003	.15
AAD04e	385	2.80	2.70	.069	.005	1.36	1.26	388	.151	.08
AAD05a	408	2.49	2.39	.051	.004	1.02	1.06	76,214	.057	.09
AAD05b	353	2.18	2.12	.056	.004	1.04	1.04	67,019	.305	.05
AAD05c	358	2.52	2.23	.058	.004	1.09	1.06	65,607	.000	.27
AAD05d	342	2.47	2.21	.060	.004	1.10	1.09	64,384	.000	.24
AAD05e	341	2.28	2.17	.058	.004	1.07	1.02	343	.074	.10
AAD05f	302	1.92	1.85	.061	.004	1.06	0.99	60,818	.256	.07
AAD05g	217	1.85	1.75	.075	.005	1.11	1.00	218	.185	.10
AAD05h	243	2.03	1.92	.072	.005	1.12	1.04	50,404	.091	.11
AAD05i	396	2.77	2.78	.051	.003	1.01	0.96	77,163	.967	.00
AAD05j	395	2.81	2.73	.052	.004	1.03	1.04	77,144	.143	.07

Endnotes

- a. Column percentages are weighted by institution-reported sex and enrollment status (and institution size for comparison groups). Percentages may not sum to 100 due to rounding. Counts are unweighted; column percentages cannot be replicated from counts.
- b. All statistics are weighted by institution-reported sex and enrollment status (and institution size for comparison groups). Unless otherwise noted, statistical comparisons are two-tailed independent t -tests. Items with categorical response sets are left blank.
- c. These are the values used to calculate means. For the majority of items, these values match the codes in the data file and codebook.
- d. Effect size for independent t -tests uses Cohen's d ; z -tests use Cohen's h .
- e. Statistics are weighted by institution-reported sex and enrollment status (and institution size for comparison groups). Categorical items are not listed.
- f. The 95% confidence interval for the population mean is equal to the sample mean plus or minus 1.96 times the standard error of the mean.
- g. A measure of the amount individual scores deviate from the mean of all the scores in the distribution.
- h. Degrees of freedom used to compute the t -tests. Values differ from N s due to weighting and whether equal variances were assumed.
- i. Statistical comparisons are two-tailed independent t -tests or z -tests. Statistical significance represents the probability that the difference between your students' mean and that of the students in the comparison group is due to chance.
- j. Statistical comparison uses z -test to compare the proportion who responded (depending on the item) "Done or in progress" or "Yes" with all who responded otherwise.
- k. Mean represents the proportion who responded (depending on the item) "Done or in progress" or "Yes."

Key to symbols:

- ▲ **Your students' average** was significantly higher ($p < .05$) with an effect size at least .3 in magnitude.
- △ **Your students' average** was significantly higher ($p < .05$) with an effect size less than .3 in magnitude.
- ▽ **Your students' average** was significantly lower ($p < .05$) with an effect size less than .3 in magnitude.
- ▼ **Your students' average** was significantly lower ($p < .05$) with an effect size at least .3 in magnitude.

Note: It is important to interpret the direction of differences relative to item wording and your institutional context.