

















1. In the past 12 months your geospatial program has:

	Response Percent	Response Count
A) Increased enrollment 	55.4%	41
B) Decreased enrollment 	4.1%	3
C) Steady enrollment 	24.3%	18
D) Just started 	12.2%	9
E) Terminated 	4.1%	3
Other (please specify)		6
answered question		74
skipped question		4

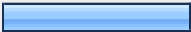

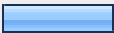


2. My geospatial program currently has the following number of enrolled majors:

	Response Percent	Response Count
5-10 	44.6%	25
11-20 	19.6%	11
21-30 	8.9%	5
31-40 	8.9%	5
41-50 	7.1%	4
50-100 	5.4%	3
100+ 	5.4%	3
Other (please specify)		21
answered question		56
skipped question		22





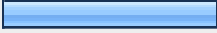
3. Which underserved population do you struggle with most to recruit into your program (that are not geographically related)?

	Response Percent	Response Count
A) Hispanic 	18.0%	11
B) African American 	39.3%	24
C) Native Indian 	24.6%	15
D) Women 	18.0%	11
E) Does Not Apply	0.0%	0
	Other:	16
	answered question	61
	skipped question	17

4. Your largest source of new geospatial students is:

	Response Percent	Response Count
A) High school 	27.9%	19
B) Unemployed 	8.8%	6
C) Reverse transfer (already have an undergraduate degree) 	16.2%	11
D) Undecided college students 	16.2%	11
E) Workforce training 	30.9%	21
	Other:	12
	answered question	68
	skipped question	10

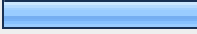



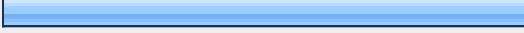
5. In the last 12 months, how many of your students have been hired into geospatial positions?

	Response Percent	Response Count
A) 1 	13.2%	7
B) 2 	30.2%	16
C) 3 	13.2%	7
D) 4 	11.3%	6
E) 5+ 	32.1%	17
Approximately how many graduates where hired?		33
	<i>answered question</i>	53
	<i>skipped question</i>	25

6. How many of your students that were hired into geospatial positions were hired into the following positions:

	0 - 20%	21 - 40%	41 - 60%	61 - 80%	81 - 100%	Rating Average	Response Count
A) Local Government	40.5% (17)	21.4% (9)	23.8% (10)	4.8% (2)	9.5% (4)	2.21	42
B) State Government	50.0% (16)	31.3% (10)	6.3% (2)	3.1% (1)	9.4% (3)	1.91	32
C) Engineering Firm	65.4% (17)	23.1% (6)	7.7% (2)	3.8% (1)	0.0% (0)	1.50	26
D) Surveying Firm	77.8% (14)	16.7% (3)	5.6% (1)	0.0% (0)	0.0% (0)	1.28	18
E) Environmental Consulting Firm	50.0% (13)	38.5% (10)	11.5% (3)	0.0% (0)	0.0% (0)	1.62	26
F) Self-employed Independent Contractor	60.0% (9)	26.7% (4)	6.7% (1)	0.0% (0)	6.7% (1)	1.67	15
					Other (please specify)		29
					answered question		51
					skipped question		27

7. Where are GIS and/or geospatial technology topics are taught in your college? (select all that apply):

		Response Percent	Response Count
A) As the main focus of workforce credit courses		29.4%	20
B) As the main focus of nontechnical credit courses		4.4%	3
C) As one component of another course		29.4%	20
D) As a noncredit course		1.5%	1
E) As an academic for credit course		79.4%	54
		Other:	11
<i>answered question</i>			68
<i>skipped question</i>			10

8. Rank the following issues by importance to your geospatial program:

	Not Important	Slightly Important	Undecided	Important	Most Important	Rating Average	Response Count
A) Secondary (High School) articulation	22.9% (16)	20.0% (14)	7.1% (5)	40.0% (28)	10.0% (7)	2.94	7
B) University articulation	6.9% (5)	13.9% (10)	6.9% (5)	51.4% (37)	20.8% (15)	3.65	7
C) Internships	8.5% (6)	11.3% (8)	7.0% (5)	50.7% (36)	22.5% (16)	3.68	7
D) Job opportunities	2.8% (2)	2.8% (2)	1.4% (1)	43.1% (31)	50.0% (36)	4.35	7
E) General education credit	11.3% (8)	12.7% (9)	16.9% (12)	42.3% (30)	16.9% (12)	3.41	7
F) General recruitment	5.6% (4)	13.9% (10)	12.5% (9)	58.3% (42)	9.7% (7)	3.53	7
G) Minority/underserved population recruitment	12.7% (9)	22.5% (16)	23.9% (17)	39.4% (28)	1.4% (1)	2.94	7
H) Grant writing	15.1% (11)	24.7% (18)	17.8% (13)	28.8% (21)	13.7% (10)	3.01	7
I) Curriculum development	1.4% (1)	16.4% (12)	12.3% (9)	46.6% (34)	23.3% (17)	3.74	7
J) Career pathways	1.4% (1)	4.2% (3)	9.7% (7)	56.9% (41)	27.8% (20)	4.06	7
K) Professional training for yourself and peers	0.0% (0)	9.3% (7)	8.0% (6)	49.3% (37)	33.3% (25)	4.07	7
					Other (please specify)		
					answered question		7
					skipped question		

9. Do you currently have any course to course articulation agreements with 4-year universities?

	Response Percent	Response Count
A) Yes	0.0%	0
B) No	0.0%	0
If yes, please list the course titles.		0
answered question		0
skipped question		78

10. Please indicate which Web 2.0 Social Networking sites are important for your geospatial program.

	Response Percent	Response Count
A) Youtube	0.0%	0
B) Facebook	0.0%	0
C) Linked In	0.0%	0
D) Twitter	0.0%	0
E) Blogger	0.0%	0
F) None, I don't use Web 2.0	0.0%	0
Other (please specify)		0
answered question		0
skipped question		78

11. Indicate which software applications are important to your geospatial program.

	Not Important	Slightly Important	Undecided	Important	Most Important	Response Count	
A) Google Earth	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0	
B) Bing Maps	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0	
C) NASA Whirl Wind	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0	
D) ArcGIS Explorer	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0	
E) ITT ENVI	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0	
F) ArcGIS	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0	
G) Smallworld	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0	
H) Autodesk	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0	
I) DeLorme	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0	
J) Intergraph	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0	
K) Multispec	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0	
L) PCI	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0	
M) Imagine	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0	
					Other (please specify)	0	
						answered question	0
						skipped question	78

12. Do your GIS courses meet any general education requirements at your college?

	Response Percent	Response Count
A) Yes	0.0%	0
B) No	0.0%	0
If yes please list the course title and specify the general education requirement that it satisfies.		0
answered question		0
skipped question		78



13. Have you referenced any of the following workforce studies or core curriculum projects in designing your GIS curriculum? (check all that apply)

	Response Percent	Response Count
A) UCGIS Body of Knowledge	0.0%	0
B) NCGIA GIS Core Curriculum for Technical Program (CCTP)	0.0%	0
C) NCGIA Core Curriculum in GIS	0.0%	0
D) ASPRS Remote Sensing Core Curricula	0.0%	0
E) USGIF Academy Curriculum	0.0%	0
F) IAEGS Model Curriculum	0.0%	0
G) Department of Labor Geospatial Technology Competency Models	0.0%	0
Other Studies (please specify)		0
answered question		0
skipped question		78





14. In the past 12 months the demand for geospatial graduates in the local workforce has:

	Response Percent	Response Count
A) Increased	0.0%	0
B) Decreased	0.0%	0
C) Remained stable	0.0%	0
D) No available data	0.0%	0
<i>answered question</i>		0
<i>skipped question</i>		78

15. Have you heard of the GeoTech Center prior to this survey?

	Response Percent	Response Count
A) Yes 	70.5%	55
B) No 	29.5%	23
<i>answered question</i>		78
<i>skipped question</i>		0





16. If so, how did you learn about the GeoTech Center?

	Response Percent	Response Count
A) GeoTech Center website 	13.3%	8
B) Website other than GeoTech Center 	1.7%	1
C) Conference 	51.7%	31
D) Colleague 	33.3%	20
	Other:	6
	<i>answered question</i>	60
	<i>skipped question</i>	18

17. The GeoTech Center will be hosting a series of professional development webinars throughout the year. Please indicate on a scale of 0 to 5 (0-least important, 5-most important) possible topics.

	Not Important	Slightly Important	Undecided	Important	Most Important	Rating Average	Response Count
A) Technical training on ESRI products	3.9% (3)	6.5% (5)	7.8% (6)	55.8% (43)	26.0% (20)	3.94	7
B) Technical training on ITT ENVI products	24.7% (18)	13.7% (10)	41.1% (30)	9.6% (7)	11.0% (8)	2.68	7
C) Technical training on other products	17.1% (12)	14.3% (10)	35.7% (25)	28.6% (20)	4.3% (3)	2.89	7
D) Expanding Geospatial Across the Disciplines and Campus	0.0% (0)	5.3% (4)	6.7% (5)	62.7% (47)	25.3% (19)	4.08	7
E) Strategies or securing GIS as General Education credit	9.6% (7)	11.0% (8)	19.2% (14)	32.9% (24)	27.4% (20)	3.58	7
F) Update on the GISCI/Dept. of Labor "GIS Technician Common Core Competencies"	5.6% (4)	12.5% (9)	11.1% (8)	50.0% (36)	20.8% (15)	3.68	7
G) GIS as Software As A Service (SAAS) model of Cloud Computing	16.9% (12)	18.3% (13)	36.6% (26)	22.5% (16)	5.6% (4)	2.82	7
H) Virtualizing the GIS application desktop	9.6% (7)	15.1% (11)	23.3% (17)	38.4% (28)	13.7% (10)	3.32	7
I) Developing Articulation Agreements	23.6% (17)	18.1% (13)	33.3% (24)	20.8% (15)	4.2% (3)	2.64	7
Other topic(s) you would like to see on a webinar							
answered question							7
skipped question							

18. Please select your preferred method of receiving hands-on training from GeoTech workshops.

		Response Percent	Response Count
A) 1-3 day workshops at local partner colleges throughout the country		70.7%	53
B) 5 day workshops at local partner colleges throughout the country		4.0%	3
C) 1-3 workshops at a national conference		8.0%	6
D) 5 day workshop prior to a national conference		0.0%	0
E) ESRI User Conference Technical Sessions Webinar Recordings		17.3%	13
		Other:	4
		answered question	75
		skipped question	3



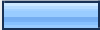



19. The GeoTech Center seeks to offer the most relevant professional development. Geospatial technology is a rapidly developing field. Rank each of the following potential areas of emerging technology in relative importance to you as an educator. You can recommend topics not mentioned at the end of this question.

	Not Important	Slightly Important	Undecided	Important	Most Important	Response Count
GIS and Science Trends	2.1% (1)	6.3% (3)	4.2% (2)	60.4% (29)	27.1% (13)	48
GIS and CAD Trends	2.2% (1)	19.6% (9)	21.7% (10)	41.3% (19)	15.2% (7)	46
Enterprise GIS Trends	6.4% (3)	10.6% (5)	25.5% (12)	46.8% (22)	10.6% (5)	47
Server GIS Trends	10.6% (5)	10.6% (5)	21.3% (10)	40.4% (19)	17.0% (8)	47
Mobile GIS Trends	2.2% (1)	8.7% (4)	13.0% (6)	60.9% (28)	15.2% (7)	46
Cartography Trends in GIS	4.3% (2)	10.6% (5)	14.9% (7)	57.4% (27)	12.8% (6)	47
Remote Sensing Technology	2.1% (1)	6.4% (3)	8.5% (4)	53.2% (25)	29.8% (14)	47
Flex API for ArcInfo Webservices	25.5% (12)	8.5% (4)	31.9% (15)	29.8% (14)	4.3% (2)	47
Silverlight API for ArcInfo Webservices	23.4% (11)	8.5% (4)	36.2% (17)	29.8% (14)	2.1% (1)	47
ArcExplorer 500	13.0% (6)	19.6% (9)	23.9% (11)	34.8% (16)	8.7% (4)	46
Google Earth	2.1% (1)	12.5% (6)	8.3% (4)	64.6% (31)	12.5% (6)	48
					Other (please specify)	2
answered question						49
skipped question						29

20. Rank which GeoTech Center website (www.geotechcenter.org) features are important to you.

	Not Important	Slightly Important	Undecided	Important	Most Important	Response Count
A) Events calendar	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
B) Forums	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
C) Blogs	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
D) Administrative GIS case studies	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
E) Academic GIS case studies	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
F) Student recruitment videos	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
G) Student professional portfolios	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
H) Professor portfolios	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
I) Data resources	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
J) Software resources	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
K) Curriculum resources	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
L) Textbook recommendations	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
M) Mapping service for posting student map projects	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
N) Job search	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
O) Internship search	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
					Other (please specify)	0
<i>answered question</i>						0
<i>skipped question</i>						78

21. Please indicate which Web 2.0 Social Networking sites are important for your geospatial program (select all that apply):

	Response Percent	Response Count
A) Youtube 	28.6%	20
B) Facebook 	34.3%	24
C) LinkedIn 	14.3%	10
D) Twitter 	7.1%	5
E) Blogger 	7.1%	5
F) None, I don't use Web 2.0 	55.7%	39
	Other:	2
	<i>answered question</i>	70
	<i>skipped question</i>	8

22. Indicate which software applications are important to your geospatial program:

	Not Important	Slightly Important	Undecided	Important	Most Important	Rating Average	Response Count
A) Google Earth	1.5% (1)	10.4% (7)	7.5% (5)	62.7% (42)	17.9% (12)	3.85	6
B) NASA Whirl Wind	42.6% (23)	18.5% (10)	24.1% (13)	13.0% (7)	1.9% (1)	2.13	5
C) ArcGIS Explorer	4.7% (3)	18.8% (12)	17.2% (11)	42.2% (27)	17.2% (11)	3.48	6
D) ITT ENVI	33.3% (19)	3.5% (2)	38.6% (22)	14.0% (8)	10.5% (6)	2.65	5
E) ArcInfo	12.7% (8)	6.3% (4)	14.3% (9)	28.6% (18)	38.1% (24)	3.73	6
F) Smallworld	59.3% (32)	7.4% (4)	33.3% (18)	0.0% (0)	0.0% (0)	1.74	5
G) Autodesk	37.5% (21)	10.7% (6)	17.9% (10)	25.0% (14)	8.9% (5)	2.57	5
H) DeLorme	51.7% (30)	8.6% (5)	32.8% (19)	6.9% (4)	0.0% (0)	1.95	5
I) Intergraph	49.1% (28)	14.0% (8)	29.8% (17)	1.8% (1)	5.3% (3)	2.00	5
J) ArcGIS ArcView and ArcGIS Server	0.0% (0)	4.8% (3)	3.2% (2)	32.3% (20)	59.7% (37)	4.47	6
K) MapInfo	47.5% (28)	8.5% (5)	23.7% (14)	18.6% (11)	1.7% (1)	2.19	5
L) ERDAS	32.3% (20)	9.7% (6)	22.6% (14)	27.4% (17)	8.1% (5)	2.69	6
						Other:	
						answered question	6
						skipped question	1

23. Rank which GeoTech Center website features are important to you:

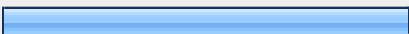






	Not Important	Slightly Important	Undecided	Important	Most Important	Rating Average	Response Count
A) Events calendar	6.8% (4)	13.6% (8)	20.3% (12)	49.2% (29)	10.2% (6)	3.42	5
B) Forums	10.2% (6)	16.9% (10)	23.7% (14)	42.4% (25)	6.8% (4)	3.19	5
C) Blogs	19.0% (11)	22.4% (13)	25.9% (15)	27.6% (16)	5.2% (3)	2.78	5
D) Administrative GIS case studies	10.2% (6)	11.9% (7)	13.6% (8)	54.2% (32)	10.2% (6)	3.42	5
E) Academic GIS case studies	3.3% (2)	8.2% (5)	9.8% (6)	57.4% (35)	21.3% (13)	3.85	6
F) Student recruitment videos	3.4% (2)	11.9% (7)	15.3% (9)	54.2% (32)	15.3% (9)	3.66	5
G) Student professional portfolios	6.9% (4)	19.0% (11)	20.7% (12)	43.1% (25)	10.3% (6)	3.31	5
H) Professor portfolios	8.8% (5)	22.8% (13)	29.8% (17)	31.6% (18)	7.0% (4)	3.05	5
I) Data resources	1.6% (1)	11.3% (7)	3.2% (2)	46.8% (29)	37.1% (23)	4.06	6
J) Software resources	1.7% (1)	10.0% (6)	6.7% (4)	53.3% (32)	28.3% (17)	3.97	6
K) Curriculum resources	3.4% (2)	1.7% (1)	5.1% (3)	40.7% (24)	49.2% (29)	4.31	5
L) Textbook recommendations	3.3% (2)	8.2% (5)	11.5% (7)	55.7% (34)	21.3% (13)	3.84	6
M) Mapping service for posting student map projects	8.5% (5)	10.2% (6)	16.9% (10)	52.5% (31)	11.9% (7)	3.49	5
N) Job search	6.7% (4)	13.3% (8)	15.0% (9)	36.7% (22)	28.3% (17)	3.67	6
O) Internship search	6.7% (4)	15.0% (9)	13.3% (8)	38.3% (23)	26.7% (16)	3.63	6
P) Geospatial Career Information	1.7% (1)	10.0% (6)	8.3% (5)	45.0% (27)	35.0% (21)	4.02	6

Q) What Disciplines use Geospatial Technologies	1.6% (1)	8.2% (5)	6.6% (4)	55.7% (34)	27.9% (17)	4.00	
							Other:
							<i>answered question</i>
							<i>skipped question</i>

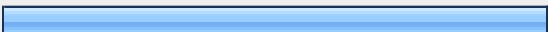

24. The GeoTech Center seeks to partner with a number of nonprofit organizations to provide better access and services for our geospatial educators nationwide. Rank each of the following organizations based on their value to you professionally.

	Not Important	Slightly Important	Undecided	Important	Most Important	Rating Average	Response Count
A) Geospatial Infrastructure Technology Association (GITA)	6.7% (4)	8.3% (5)	30.0% (18)	36.7% (22)	18.3% (11)	3.52	
B) Urban & Regional Information Systems Association (URISA)	6.5% (4)	9.7% (6)	22.6% (14)	40.3% (25)	21.0% (13)	3.60	
C) National Council of Geographic Educators (NCGE)	4.8% (3)	11.3% (7)	21.0% (13)	43.5% (27)	19.4% (12)	3.61	
D) University Consortium of Geographic Information Science (UCGIS)	6.3% (4)	15.9% (10)	27.0% (17)	30.2% (19)	20.6% (13)	3.43	
E) Regional ESRI User Groups	4.8% (3)	1.6% (1)	17.5% (11)	58.7% (37)	17.5% (11)	3.83	
F) American Association of Geographers (AAG)	4.8% (3)	14.3% (9)	22.2% (14)	41.3% (26)	17.5% (11)	3.52	
G) American Society for Photogrammetry and Remote Sensing (ASPRS)	4.8% (3)	16.1% (10)	24.2% (15)	38.7% (24)	16.1% (10)	3.45	
H) Cartography and Geographic Information Society (CaGIS)	9.7% (6)	8.1% (5)	38.7% (24)	40.3% (25)	3.2% (2)	3.19	
							Other (please specify):
							<i>answered question</i>
							<i>skipped question</i>

25. Please select the statement(s) that best describes you:

	Response Percent	Response Count
A) I am a community college instructor and teach GIS 	61.3%	38
B) I am a community college instructor that might teach GIS in the future 	9.7%	6
C) I am a community college administrator 	9.7%	6
D) I work at a 4-year university and teach GIS 	12.9%	8
E) I conduct GIS workforce studies 	1.6%	1
F) I represent a professional society as a staff person or board member 	1.6%	1
G) I am a GIS professional that works outside of education 	3.2%	2
H) I am an employer of GIS professionals	0.0%	0
Other:		11
answered question		62
skipped question		16

26. Does your institution offer Geospatial courses?

	Response Percent	Response Count
A) Yes 	82.4%	56
B) No 	17.6%	12
If no, do you plan on offering a course/program in the near future?		8
answered question		68
skipped question		10

27. Does your college offer any courses, certificates, or degrees in Geospatial Technologies (ie. GIS, GPS, Remote Sensing)?

	Response Percent	Response Count
A) Courses only	0.0%	0
B) Certificate	0.0%	0
C) AA or AS Degree	0.0%	0
D) Both Certificate and AA or AS Degree	0.0%	0
E) Non-academic Workforce Development courses or workshops	0.0%	0
F) No	0.0%	0
G) Don't know	0.0%	0
answered question		0
skipped question		78

28. GIS and/or geospatial technology courses are taught in your college as part of what type of program? (select all that apply)

	Response Percent	Response Count
A) Academic (credit only)	0.0%	0
B) Career Technical Education (CTE only)	0.0%	0
C) Both Academic and CTE	0.0%	0
D) Non-credit extension program or workforce development course (non-credit)	0.0%	0
Other (please explain)		0
answered question		0
skipped question		78

29. Are any of the courses, certificates, or degrees offered as Distance Education?

	Yes	No	Response Count
A) Courses only	0.0% (0)	0.0% (0)	0
B) Certificate	0.0% (0)	0.0% (0)	0
C) AA or AS Degree	0.0% (0)	0.0% (0)	0
D) Both Certificate and AA or AS Degree	0.0% (0)	0.0% (0)	0
E) Non-academic Workforce Development courses or workshops	0.0% (0)	0.0% (0)	0
		Other (please specify)	0
			<i>answered question</i> 0
			<i>skipped question</i> 78

30. Please enter the number of courses, or zero if none, in the boxes below. (0, 1, 2, 3, 4 or more, don't know)

	Response Percent	Response Count
GIS	0.0%	0
GPS	0.0%	0
Mapping Technology	0.0%	0
Remote Sensing	0.0%	0
Database	0.0%	0
Web-based GIS	0.0%	0
Cartography	0.0%	0
Programming	0.0%	0
CAD	0.0%	0
Other	0.0%	0
<i>answered question</i>		0
<i>skipped question</i>		78

31. Rank the following issues in importance to your geospatial program.

	Not Important	Slightly Important	Undecided	Important	Most Important	Response Count
A) Secondary articulation	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
B) University articulation	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
C) Internships	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
D) Job opportunities	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
E) General education credit	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
F) General recruitment	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
G) Minority/underserved population recruitment	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
H) Grant writing	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
I) Curriculum development	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
J) Professional training for yourself and peers	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
answered question						0
skipped question						78

32. What do you see as barriers to offering geospatial education? Please rank each barrier on a scale of 0 to 5. (0-no barrier, 5-significant barrier)

	No Barrier	Slight Barrier	Undecided	Large Barrier	Significant Barrier	Response Count
A) Lack of workforce demand	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
B) Lack of student interest	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
C) Lack of administrative support	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
D) Lack of faculty qualified to teach this program	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
E) Lack of curriculum guidelines	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
F) Lack of teaching resources	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
G) Lack of IT support	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
H) Lack of student access to software outside of lab	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
I) Lack of student access to software in lab	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
J) Lack of data access	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
				Other (please comment)		0
				<i>answered question</i>		0
				<i>skipped question</i>		78

33. What do you consider the most advantageous way to teach GIS?

	Response Percent	Response Count
A) Within the context of a discipline or application.	0.0%	0
B) In a dedicated Geospatial Discipline (such as geography).	0.0%	0
Other (please specify)		0
	<i>answered question</i>	0
	<i>skipped question</i>	78





**34. What type of audiences do you serve in your Geospatial courses?
(specify the approximate percent of students from each category)**

	less than 10%	10 to 20%	20 to 30%	30 to 40%	40 to 50%	50 to 60%	60 to 70%	70 to 80%	80 to 90%	more than 90%	Response Count
A) Students who plan on transferring to a 4-year insitution	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	
B) Students pursuing a 2-year vocational degree or certificate	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	
C) Working professionals (students that have a Bachelor's or higher and are seeking additional skills/knowledge for their current job)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	
D) Working professionals (students that do not have a degree and are seeking additional skills/knowledge for their current job)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	
E) University students pursuing a 4-year degree and/or graduate degree	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	
F) Students with degrees (AA, BA or higher that are preparing for a career change)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	
											Other (please specify)
answered question											
skipped question											

35. How would you rate the importance of the sources used in developing your GIS curriculum?

	Not Important	Slightly Important	Undecided	Important	Most Important	Response Count
A) Development mostly by me	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
B) Adapted from a colleague's curriculum	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
C) Commercially produced curriculum products (hard copy)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
D) Commercially produced online or electronic curriculum products	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
E) Free curriculum products on the web	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
F) Curriculum products from a National Science Foundations workshop	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0
				Other (please specify)		0
<i>answered question</i>						0
<i>skipped question</i>						78



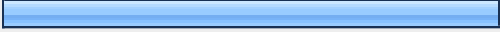


36. Does your institution offer a GIS certificate or degree? (select all that apply)

	Response Percent	Response Count
A) No 	30.3%	20
B) A GIS certificate 	51.5%	34
C) A GIS degree 	33.3%	22
D) We plan to offer a GIS certificate or degree in the future 	12.1%	8
Other (please specify)		9
	<i>answered question</i>	66
	<i>skipped question</i>	12

37. Which disciplines at your institutions are associated with a GIS curriculum? (Check all that apply.)

	Response Percent	Response Count
A) None	4.5%	3
B) Agriculture	15.2%	10
C) Art	0.0%	0
D) Archeology	10.6%	7
E) Biological Science	25.8%	17
F) Business	7.6%	5
G) Computer Science and Information Systems	19.7%	13
H) Criminal Justice	7.6%	5
I) Drafting	12.1%	8
J) Economics	6.1%	4
K) Engineering	30.3%	20
L) Fire Protection/Science	1.5%	1
M) Geography	60.6%	40
N) Geology	24.2%	16
O) Health (nursing and medical related)	3.0%	2
P) Information Technology	18.2%	12
Q) Marine Science	7.6%	5
R) Natural Resource Management	28.8%	19
S) Physical Science (physics, chemistry, meteorology)	10.6%	7
T) Sociology	3.0%	2
U) Surveying	19.7%	13
V) Real Estate	4.5%	3

	Other:	7
	answered question	66
	skipped question	12

38. What type of audiences do you serve in your GIS courses (select all that apply)?			Response Percent	Response Count
A) Students who plan on transferring to a 4-year institution		57.8%	37	
B) Students pursuing a 2-year vocational degree or certificate		68.8%	44	
C) Working professionals (students that have a Bachelor's or higher and are seeking additional skills/knowledge for their current job)		75.0%	48	
D) University students pursuing a 4-year degree and/or graduate degrees.		31.3%	20	
E) Students with degrees (A.A., B.A or higher) that are preparing for a career change		62.5%	40	
	Other:		5	
	answered question		64	
	skipped question		14	

39. Specify the relative number of students in each category.

	0-20%	21-40%	41-60%	61-80%	81-100%	Rating Average	Response Count
A) Students who plan on transferring to a 4-year institution	59.3% (35)	16.9% (10)	11.9% (7)	10.2% (6)	1.7% (1)	1.78	59
B) Students pursuing a 2-year vocational degree or certificate	44.1% (26)	22.0% (13)	16.9% (10)	6.8% (4)	10.2% (6)	2.17	59
C) Working professionals (students that have a Bachelor's or higher and are seeking additional skills/knowledge for their current job)	51.7% (30)	29.3% (17)	8.6% (5)	3.4% (2)	6.9% (4)	1.84	58
D) University students pursuing a 4-year degree and/or graduate degrees.	70.2% (33)	10.6% (5)	6.4% (3)	6.4% (3)	6.4% (3)	1.68	47
E) Students with degrees (A.A., B.A or higher) that are preparing for a career change	60.4% (32)	26.4% (14)	13.2% (7)	0.0% (0)	0.0% (0)	1.53	53
						Other:	5
						answered question	65
						skipped question	13







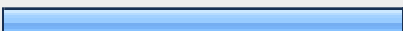
**40. How would you characterize the region that your institution serves?
The majority of the students come from:**

		Response Percent	Response Count
A) A metropolitan city (population over 500,000)		29.9%	20
B) A large city (100,000 -500,000)		13.4%	9
C) A medium size city (50,000- 100,000)		19.4%	13
D) A small city (10,000-50,000)		13.4%	9
E) Rural areas (towns with less than 10,000)		23.9%	16
	Other (please specify)		2
answered question			67
skipped question			11


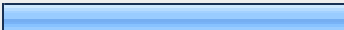
41. How would you rate the importance of the sources used in developing your GIS curriculum?

	Not Important	Slightly Important	Undecided	Important	Most Important	Rating Average	Response Count
A) Developed mostly by me	10.6% (7)	10.6% (7)	1.5% (1)	47.0% (31)	30.3% (20)	3.76	6
B) Adapted from a colleague's curriculum	12.3% (8)	16.9% (11)	16.9% (11)	50.8% (33)	3.1% (2)	3.15	6
C) Commercially produced curriculum products (hard copy)	14.5% (9)	16.1% (10)	16.1% (10)	46.8% (29)	6.5% (4)	3.15	6
D) Commercially produced online or electronic curriculum products	17.5% (11)	15.9% (10)	19.0% (12)	39.7% (25)	7.9% (5)	3.05	6
E) Free curriculum products on the web	9.5% (6)	19.0% (12)	15.9% (10)	41.3% (26)	14.3% (9)	3.32	6
F) Curriculum products from the GeoTech Center	11.1% (7)	7.9% (5)	36.5% (23)	33.3% (21)	11.1% (7)	3.25	6
G) National Science Foundation workshops	13.1% (8)	24.6% (15)	29.5% (18)	23.0% (14)	9.8% (6)	2.92	6
					Other:		
					answered question		6
					skipped question		1

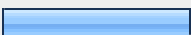
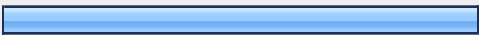
42. Have you referenced any of the following workforce studies or core curriculum projects in designing your GIS curriculum? (Check all that apply.)

	Response Percent	Response Count
A) UCGIS Model Curricula 	44.7%	17
B) NCGIA GIS Core Curriculum for Technical Program (CCTP) 	39.5%	15
C) NCGIA Core Curriculum in GIS 	50.0%	19
D) Remote Sensing Core Curricula 	31.6%	12
E) USGIF Academy Curriculum 	5.3%	2
F) IAEGS Model Curriculum 	10.5%	4
G) Department of Labor studies 	60.5%	23
Other:		9
answered question		38
skipped question		40

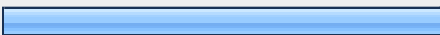

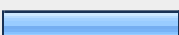
43. Do you currently have any course to course articulation agreements with 4-year universities?

	Response Percent	Response Count
A) Yes 	48.5%	32
B) No 	51.5%	34
If yes, please list the course titles:		24
answered question		66
skipped question		12



44. Do your GIS courses meet any general education requirements?

	Response Percent	Response Count
A) Yes 	28.1%	18
B) No 	71.9%	46
If yes, please specify the general education requirement that it satisfies:		15
<i>answered question</i>		64
<i>skipped question</i>		14

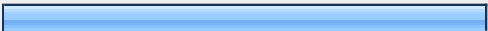


45. Do you think a set of nationally recognized GIS competencies is needed for the national coordination of GIS activities (such as certification, professional development, curriculum development, articulation agreements, internship placement, etc.)?

	Response Percent	Response Count
A) Yes 	66.2%	45
B) No 	7.4%	5
C) Not Sure 	26.5%	18
If yes, what do you believe may serve as a starting point for this discussion? What do you need to know from this?		15
<i>answered question</i>		68
<i>skipped question</i>		10



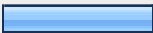
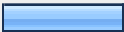
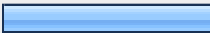
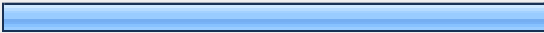
46. Are you involved in developing/advising any of the GIS or Geospatial Technology certification efforts underway? (select all that apply)

	Response Percent	Response Count
A) No 	98.5%	64
B) USGIF Academy Certification	0.0%	0
C) ASPRS Certification	0.0%	0
D) GISCI 	1.5%	1
E) Digital Quest	0.0%	0
Other (please specify):		1
answered question		65
skipped question		13

47. Do you believe that institutions of higher education should try to align their curriculum with Professional certification efforts underway, such as the GIS Certification Institute (GISCI)?

	Response Percent	Response Count
A) Yes 	73.1%	49
B) No 	1.5%	1
C) Not Sure 	25.4%	17
Other (please specify)		4
answered question		67
skipped question		11






48. How do you acquire professional development in GIS? (select all that apply.)

	Response Percent	Response Count
A) ESRI User Conference 	62.7%	42
B) Regional User Group Meetings 	40.3%	27
C) Commercial, for-profit, short courses 	22.4%	15
D) Community college courses 	17.9%	12
E) University courses 	31.3%	21
F) Self taught by reading literature 	82.1%	55
G) Educational Workshops and Institutes	0.0%	0
Other (please specify):		9
	<i>answered question</i>	67
	<i>skipped question</i>	11

49. When you look ahead, where do you think the greatest opportunity in GIS education is within your college and why?

	Response Percent	Response Count
A) Articulation	0.0%	0
B) GIS Courses	0.0%	0
C) Inclusion of Geospatial Course requirements in other programs	0.0%	0
D) Administration use of Geospatial	0.0%	0
E) Increased use of web GIS	0.0%	0
Other (please specify):		0
answered question		0
skipped question		78

50. What barriers, if any, are there to your participation in GIS professional development activities (select all that apply)?

	Response Percent	Response Count
Lack of funds 	79.4%	50
Lack of time away from campus 	66.7%	42
Distance from available training, such as conferences 	41.3%	26
Lack of relevant activities 	7.9%	5
Lack of knowledge of available activities 	25.4%	16
Other (please specify):		5
answered question		63
skipped question		15

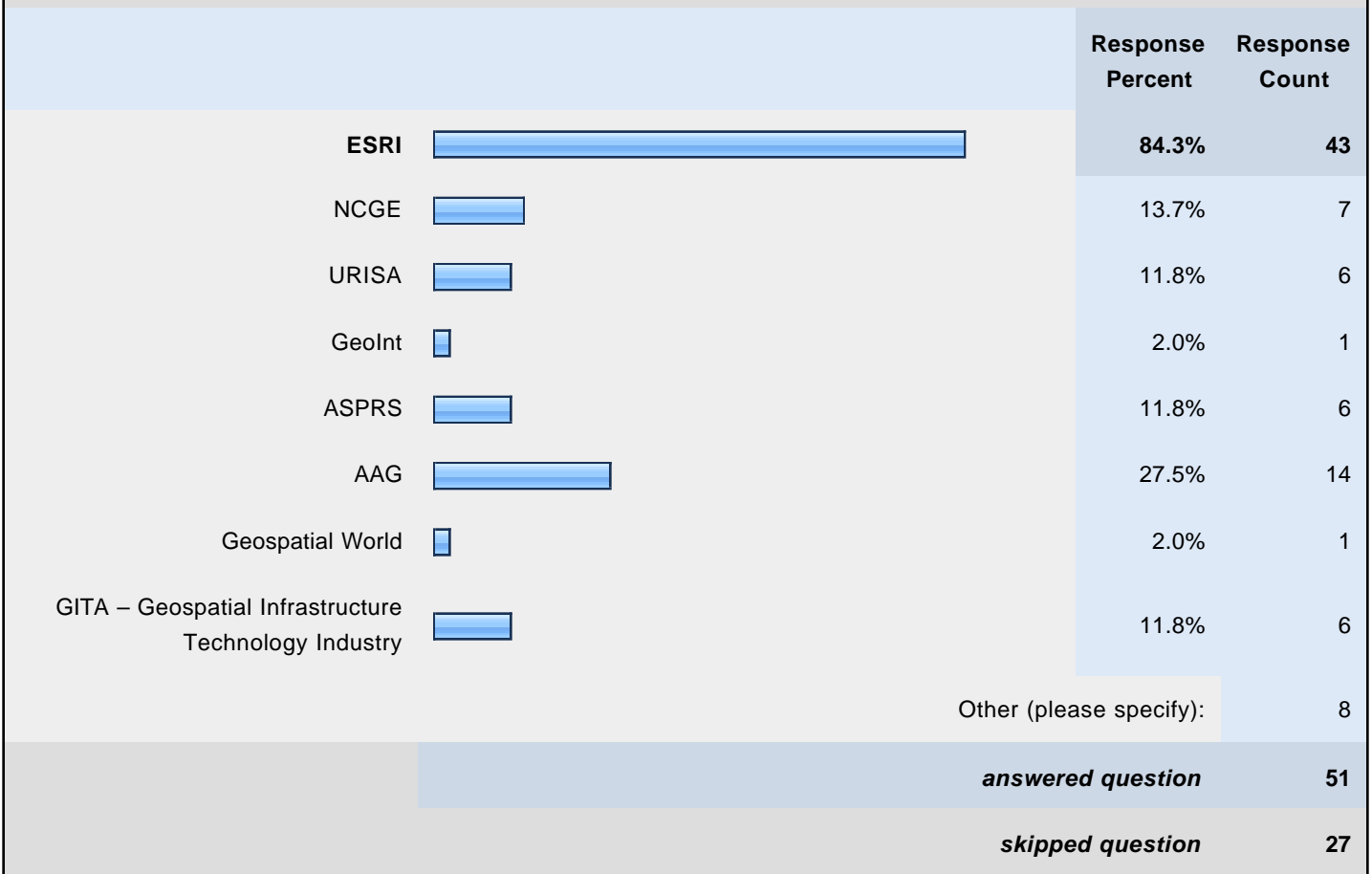
51. Are you a member of any geospatial professional societies? (Select all that apply.)

	Response Percent	Response Count
A) No	60.0%	39
B) Association of American Geographers (AAG)	27.7%	18
C) American Society for Photogrammetry and Remote Sensing (ASPRS)	18.5%	12
D) Cartography and Geographic Information Society (CaGIS)	3.1%	2
E) Geospatial Information and Technology Association (GITA)	4.6%	3
F) National Council for Geographic Education (NCGE)	10.8%	7
G) Urban and Regional Information Systems Association (URISA)	13.8%	9
Other (please specify):		8
answered question		65
skipped question		13






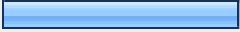

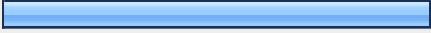
52. Do you or others at your college have, or have you had, any National Science Foundation (NSF), Department of Labor (DOL) or other agency grants that focus on geospatial technology (GST)?

	Response Percent	Response Count
A) Yes	34.8%	24
B) No	65.2%	45
If yes, please give the titles, dates, and funding agencies for your projects.		18
answered question		69
skipped question		9

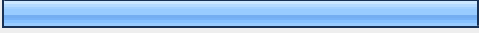
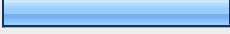
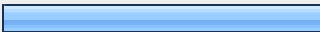
53. What GIS conferences do you attend to learn about new information on GIS education? (select all that apply)



54. What websites do you visit to learn about new information on GIS education? (select all that apply)

	Response Percent	Response Count
A) ESRI 	95.4%	62
B) GeoTech Center 	52.3%	34
C) Geospatial One Stop 	24.6%	16
D) GeoCommunity 	29.2%	19
E) NASA 	35.4%	23
F) NOAA 	35.4%	23
G) NGA 	7.7%	5
H) USGS 	64.6%	42
I) Directions Magazine Online	0.0%	0
Other (please specify):		3
answered question		65
skipped question		13

55. What other events do you attend to learn about new information on GIS education? (select all that apply:)

	Response Percent	Response Count
A) Local GIS/GST user group meetings 	72.0%	36
B) Faculty development workshops sponsored by the National Science Foundation 	34.0%	17
C) Professional workshops/seminars offered by the private sector that charge a fee 	48.0%	24
Other (please specify):		8
answered question		50
skipped question		28

56. Rate the importance of the following GeoTech Center activities:

	Not Important	Slightly Important	Undecided	Important	Most Important	Rating Average	Response Count
A) Develop new GIS/GST curriculum	1.6% (1)	11.1% (7)	14.3% (9)	50.8% (32)	22.2% (14)	3.81	6
B) Disseminate existing GIS/GST curriculum	1.6% (1)	7.9% (5)	14.3% (9)	50.8% (32)	25.4% (16)	3.90	6
C) Promote the standardization of GIS/GST curriculum by means of a nationally recognized set of core competencies	3.2% (2)	7.9% (5)	20.6% (13)	46.0% (29)	22.2% (14)	3.76	6
D) Distribute information on workforce needs	3.2% (2)	7.9% (5)	9.5% (6)	46.0% (29)	33.3% (21)	3.98	6
E) Share best practices in pedagogy	1.6% (1)	6.3% (4)	7.9% (5)	61.9% (39)	22.2% (14)	3.97	6
F) Provide professional development opportunities	1.6% (1)	6.3% (4)	11.1% (7)	46.0% (29)	34.9% (22)	4.06	6
G) Provide a framework for articulation between 2 and 4-year institutions	3.1% (2)	9.4% (6)	15.6% (10)	40.6% (26)	31.3% (20)	3.88	6
H) Provide webinars on current topics or software skills	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	0.00	0
Other (please specify):							
answered question							6
skipped question							0

57. When you look ahead, where do you think the greatest opportunity in GIS education is within your college and why?

	Response Count
	57
answered question	57
skipped question	21

58. Do you have additional comments you would like to share with us?

	Response Count
	24
<i>answered question</i>	24
<i>skipped question</i>	54

59. Please provide your contact information. (for internal information only. GeoTech will not post nor share this information).

	Response Percent	Response Count
*Name: <input type="text"/>	100.0%	68
*Company: <input type="text"/>	100.0%	68
Address: <input type="text"/>	89.7%	61
Address 2: <input type="text"/>	14.7%	10
City/Town: <input type="text"/>	94.1%	64
State: <input type="text"/>	94.1%	64
ZIP/Postal Code: <input type="text"/>	94.1%	64
Country: <input type="text"/>	85.3%	58
*Email Address: <input type="text"/>	100.0%	68
Phone Number: <input type="text"/>	77.9%	53
	<i>answered question</i>	68
	<i>skipped question</i>	10

60. URL for your geospatial program information (for adding to the national map).

	Response Count
	45
<i>answered question</i>	45
<i>skipped question</i>	33

61. Description of your geospatial program (for adding to the national map).

	Response Count
	40
<i>answered question</i>	40
<i>skipped question</i>	38

62. Any additional information about your program you would like us to add to the national map.

	Response Count
	18
<i>answered question</i>	18
<i>skipped question</i>	60