

Program Evaluation: Social Sciences: Geospatial Specialization Fall 2012 through Spring 2017

$$x_{n+1} = \delta + \varphi_1 x_n + \varphi_2 x_{n-1} + w_{n+1}$$

$$z_t = 0.6z_{t-1} + w_t, \text{ so } z_{t-1} = 0.6z_{t-2} + w_{t-1}$$

$$\text{e of } (x_{n+m}^n - x_{n+m}) = \sigma_w^2 \sum_{j=0}^{m-1} \Psi_j^2$$

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Office of Institutional Effectiveness and Student Success

The purpose of the Office of Institutional Effectiveness and Student Success Initiatives is to conduct analytical studies and provide information in support of institutional planning, policy formulation, and decision making. In addition, the office provides leadership and support in research related activities to members of the NOVA community engaged in planning and evaluating the institution's success in accomplishing its mission.

When citing data from this report, the Northern Virginia Community College (NOVA) Office of Institutional Effectiveness and Student Success must be cited as the source.

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Geospatial Specialization Program Data Evaluation: 2012-13 through 2016-2017

Introduction

This Report presents student enrollment and success data for the Geospatial Specialization program. Geospatial Specialization courses are offered at Loudoun campus and ELI. Section 1 provides unduplicated enrollment data on students in the Geospatial Specialization program for Fall 2012 through Spring 2017. Data are disaggregated by gender, race, age, enrollment status, campus, modality, day/night status, and session.

Section 2 presents student success data for the Geospatial Specialization program from 2013-2014 through 2016-2017. Student success data includes successful course completion rates disaggregated by campus, modality, dual enrollment status, and session, graduation rates by cohort, and cumulative mean GPA of graduates.

Section 3 includes data on Administration of Justice FTES, Current Funded Ratio, and FTEF from Fall 2013 through Spring 2017.

Section 1. Geospatial Specialization Annual Headcount and Student Enrollment Profile

A. Geospatial Specialization Annual Headcount

Table 1. Annual Headcount for All Program-Placed Students: 2012-13 through 2016-17

Program	Curriculum Code	y2012_13	y2013_14	y2014_15	y2015_16	y2016_17	Average	Percent Change
Social Science AS	8825	0	26	33	44	38	28	-
GIS- CSC	221-719-71	91	85	69	68	55	74	-39.6
Program-Placed College Students	.	61,498	60,797	59,052	57,260	54,779	58,677	-10.9
All College Students	.	78413	77,332	76,044	75,858	74,283	76,386	-5.3

Source: IRIS Files

Table 2. Annual Headcount for First-time in College, Program-Placed Students: 2012-13 through 2016-17

Program	Curriculum Code	y2012_13	y2013_14	y2014_15	y2015_16	y2016_17	Average	Percent Change
Social Science AS	8825	0	7	5	8	8	6	-
GIS- CSC	221-719-71	10	3	3		2	4	-80.0
Program-Placed College Students	.	10,491	11,006	10,535	10,513	9,700	10,449	-7.5
All College Students	.	13953	14631	15134	16377	16819	15,383	20.5

Source: IRIS Files

B. Geospatial Specialization Enrollment Profile

Table 3. GIS Student Enrollment Profile*: Fall 2014 through Fall 2016

Category	Subgroup	Fall 2014		Fall 2015		Fall 2016	
		#	%	#	%	#	%
Enrollment		64	100	78	100	65	100
Gender	Male	42	65.6	54	69.2	48	73.8
	Female	22	34.4	24	30.8	17	26.2
Race	White	45	70.3	50	64.1	41	63.1
	Black/African American	5	7.8	7	9	5	7.7
	Asian	4	6.3	10	12.8	11	16.9
	Hispanic/Latino	3	4.7	5	6.4	3	4.6
	American Indian/Alaska Native	.	.	2	2.6	1	1.5
	Native Hawaiian/Other Pacific Islander	1	1.6	1	1.3	.	.
	Two or More Races	2	3.1	3	3.8	3	4.6
	Unknown	1	1.6	.	.	1	1.5
	Not Specified	3	4.7	.	.	.	.
Age Group	18-21	18	28.1	17	21.8	12	18.5
	22-24	5	7.8	13	16.7	5	7.7
	25-29	10	15.6	10	12.8	8	12.3
	30-44	17	26.6	23	29.5	20	30.8
	45-59	12	18.8	14	17.9	18	27.7
	60 & Over	2	3.1	1	1.3	2	3.1
Full-Time Part-Time	Full-Time	8	12.5	10	12.8	12	18.5
	Part-Time	56	87.5	68	87.2	53	81.5
Program Placement	In 8825	25	39.1	34	43.6	30	46.2
	In 221-719-71	39	60.9	44	56.4	35	53.8

Source: IRIS Files

*Curr. Code=4000/4001/4060/221-405-43/221-405-45/221-400-02/221-407-95

Table 4. GIS Student Enrollment Profile*: Spring 2014 through Spring 2016

Category	Subgroup	Spring 2014		Spring 2015		Spring 2016	
		#	%	#	%	#	%
Enrollment		62	100	70	100	59	100
Gender	Male	38	61.3	52	74.3	44	74.6
	Female	24	38.7	18	25.7	15	25.4
Race	White	47	75.8	39	55.7	37	62.7
	Black/African American	8	12.9	5	7.1	5	8.5
	Asian	3	4.8	11	15.7	6	10.2
	Hispanic/Latino	1	1.6	8	11.4	5	8.5
	American Indian/Alaska Native	.	.	1	1.4	.	.
	Two or More Races	1	1.6	5	7.1	5	8.5
	Unknown	.	.	1	1.4	1	1.7
	Not Specified	2	3.2	.	.	.	.
Age Group	18-21	12	19.4	10	14.3	10	16.9
	22-24	7	11.3	8	11.4	6	10.2
	25-29	13	21	14	20	15	25.4
	30-44	17	27.4	24	34.3	14	23.7
	45-59	11	17.7	13	18.6	13	22
	60 & Over	2	3.2	1	1.4	1	1.7
Full-Time/Part-Time	Full-Time	4	6.5	12	17.1	11	18.6
	Part-Time	58	93.5	58	82.9	48	81.4
Program Placement	In 8825	23	37.1	27	38.6	26	44.1
	In 221-719-71	39	62.9	43	61.4	33	55.9

Source: IRIS Files

*Curr. Code=4000/4001/4060/221-405-43/221-405-45/221-400-02/221-407-95

C. Geospatial Specialization Enrollment by Course and Campus

Table 5. GIS Enrollment by Campus: Fall 2014 through Fall 2016

Course	Fall 2014		Fall 2015		Fall 2016	
	LO	ELI	LO	ELI	LO	ELI
GIS 101	21	0	19	0	15	0
GIS 200	36	6	33	14	28	7
GIS 201	15	0	10	0	15	0
GIS 203	.	.	.	.	17	0
GIS 255	10	0	10	0	13	0
GIS 290	3	0	2	0	4	0
GIS 295	.	.	10	0	.	.
Total	85	6	84	14	92	7

Source: IRIS Files

Table 6. GIS Enrollment by Campus: Spring 2015 through Spring 2017

Course	Spring 2015		Spring 2016		Spring 2017	
	LO	ELI	LO	ELI	LO	ELI
GIS 101	10	0	20	0	14	0
GIS 200	31	10	25	6	19	6
GIS 201	17	0	10	0	16	0
GIS 203	14	0	.	.	13	0
GIS 205	.	.	12	0	19	0
GIS 290	1	0	3	0	1	0
GIS 295	.	.	1	0	.	.
	73	10	71	6	82	6

Source: IRIS Files

Table 7. GIS Enrollment by Course: Fall 2013 through Fall 2016

Course	Fall 2013	Fall 2014	Fall 2015	Fall 2016
GIS 101	25	21	19	15
GIS 200	24	36	33	28
GIS 201	17	15	10	15
GIS 203	.	.	.	17
GIS 255	17	10	10	13
GIS 290	4	3	2	4
GIS 295	8	.	10	.
Total	95	85	84	92

Source: IRIS Files

Table 8. GIS Enrollment by Course: Spring 2014 through Spring 2017

Course	Spring 2014	Spring 2015	Spring 2016	Spring 2017
GIS 101	24	10	20	14
GIS 200	33	31	25	19
GIS 201	11	17	10	16
GIS 203	18	14	.	13
GIS 205	22	.	12	19
GIS 290	2	1	3	1
GIS 295	9	.	1	.
Total	119	73	71	82

Source: IRIS Files

D. Geospatial Specialization Enrollment by Modality

Table 9. GIS Enrollment by Modality: Fall 2014

Course	Face-to-Face				Online			
	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%
GIS 101	1	16.7	21	26.6	.	.	.	.
GIS 200	2	33.3	30	38	1	100	6	100
GIS 201	1	16.7	15	19	.	.	.	.
GIS 255	1	16.7	10	12.7	.	.	.	.
GIS 290	1	16.7	3	3.8	.	.	.	.
Total	6	100	79	100	1	100	6	100

Source: IRIS Files

Table 10. GIS Enrollment by Modality: Spring 2015

Course	Face-to-Face				Online			
	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%
GIS 101	1	16.7	10	15.9	.	.	.	.
GIS 200	2	33.3	21	33.3	1	100	10	100
GIS 201	1	16.7	17	27	.	.	.	.
GIS 203	1	16.7	14	22.2	.	.	.	.
GIS 290	1	16.7	1	1.6	.	.	.	.
Total	6	100	63	100	1	100	10	100

Source: IRIS Files

Table 11. GIS Enrollment by Modality: Fall 2015

Course	Hybrid				Face-to-Face				Online			
	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%
GIS 101	1	50	19	65.5	.	.	.	.	.	.	.	.
GIS 200	.	.	.	.	1	20	19	46.3	1	100	14	100
GIS 201	.	.	.	.	1	20	10	24.4	.	.	.	.
GIS 255	.	.	.	.	1	20	10	24.4	.	.	.	.
GIS 290	.	.	.	.	2	40	2	4.9	.	.	.	.
GIS 295	1	50	10	34.5	.	.	.	.	.	.	.	.
Total	2	100	29	100	5	100	41	100	1	100	14	100

Source: IRIS Files

Table 12. GIS Enrollment by Modality: Spring 2016

Course	Face-to-Face				Online			
	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%
GIS 101	1	14.3	20	30.8	.	.	.	.
GIS 200	2	28.6	19	29.2	1	100	6	100
GIS 201	1	14.3	10	15.4	.	.	.	.
GIS 205	1	14.3	12	18.5	.	.	.	.
GIS 290	1	14.3	3	4.6	.	.	.	.
GIS 295	1	14.3	1	1.5	.	.	.	.
Total	7	100	65	100	1	100	6	100

Source: IRIS Files

Table 13. GIS Enrollment by Modality: Fall 2016

Course	Hybrid				Face-to-Face				Online			
	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%
GIS 101	.	.	.	.	1	20	15	25.9	.	.	.	.
GIS 200	1	50	14	51.9	1	20	7	12.1	1	100	7	100
GIS 201	.	.	.	.	1	20	15	25.9	.	.	.	.
GIS 203	.	.	.	.	1	20	17	29.3	.	.	.	.
GIS 255	1	50	13	48.1	.	.	.	.	.	.	.	.
GIS 290	.	.	.	.	1	20	4	6.9	.	.	.	.
Total	2	100	27	100	5	100	58	100	1	100	7	100

Source: IRIS Files

Table 14. GIS Enrollment by Modality: Spring 2017

Course	Hybrid				Face-to-Face				Online			
	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%
GIS 101	.	.	.	.	1	20	14	22.2	.	.	.	.
GIS 200	.	.	.	.	1	20	13	20.6	1	100	6	100
GIS 201	.	.	.	.	1	20	16	25.4	.	.	.	.
GIS 203	1	100	13	100	.	.	.	.	.	.	.	.
GIS 205	.	.	.	.	1	20	19	30.2	.	.	.	.
GIS 290	.	.	.	.	1	20	1	1.6	.	.	.	.
Total	1	100	13	100	5	100	63	100	1	100	6	100

Source: IRIS Files

E. Geospatial Specialization Enrollment by Day/Night Status

Table 15. GIS Enrollment by Day/Night Status: Fall 2014

Course	Day				Night				Both			
	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%
GIS 101	.	.	.	.	1	25	21	33.3	.	.	.	.
GIS 200	1	50	13	81.3	1	25	17	27	1	100	6	100
GIS 201	.	.	.	.	1	25	15	23.8	.	.	.	.
GIS 255	.	.	.	.	1	25	10	15.9	.	.	.	.
GIS 290	1	50	3	18.8	.	.	.	.	.	.	.	.
Total	2	100	16	100	4	100	63	100	1	100	6	100

Source: IRIS Files

Table 16. GIS Enrollment by Day/Night Status: Spring 2015

Course	Night				Both			
	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%
GIS 101	1	20	10	16.1	.	.	.	.
GIS 200	2	40	21	33.9	1	50	10	90.9
GIS 201	1	20	17	27.4	.	.	.	.
GIS 203	1	20	14	22.6	.	.	.	.
GIS 290	.	.	.	.	1	50	1	9.1
Total	5	100	62	100	2	100	11	100

Source: IRIS Files

Table 17. GIS Enrollment by Day/Night Status: Fall 2015

Course	Night				Both			
	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%
GIS 101	1	20	19	27.9	.	.	.	.
GIS 200	1	20	19	27.9	1	33.3	14	87.5
GIS 201	1	20	10	14.7	.	.	.	.
GIS 255	1	20	10	14.7	.	.	.	.
GIS 290	.	.	.	.	2	66.7	2	12.5
GIS 295	1	20	10	14.7	.	.	.	.
Total	5	100	68	100	3	100	16	100

Source: IRIS Files

Table 18. GIS Enrollment by Day/Night Status: Spring 2016

Course	Day				Night				Both			
	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%
GIS 101	.	.	.	.	1	20	20	35.1	.	.	.	.
GIS 200	1	100	5	100	1	20	14	24.6	1	50	6	66.7
GIS 201	.	.	.	.	1	20	10	17.5	.	.	.	.
GIS 205	.	.	.	.	1	20	12	21.1	.	.	.	.
GIS 290	.	.	.	.	.	.	.	.	1	50	3	33.3
GIS 295	.	.	.	.	1	20	1	1.8	.	.	.	.
Total	1	100	5	100	5	100	57	100	2	100	9	100

Source: IRIS Files

Table 19. GIS Enrollment by Day/Night Status: Fall 2016

Course	Day				Night				Both			
	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%
GIS 101	.	.	.	.	1	20	15	20.3	.	.	.	.
GIS 200	1	100	7	100	1	20	14	18.9	1	50	7	63.6
GIS 201	.	.	.	.	1	20	15	20.3	.	.	.	.
GIS 203	.	.	.	.	1	20	17	23	.	.	.	.
GIS 255	.	.	.	.	1	20	13	17.6	.	.	.	.
GIS 290	.	.	.	.	.	.	.	.	1	50	4	36.4
Total	1	100	7	100	5	100	74	100	2	100	11	100

Source: IRIS Files

Table 20. GIS Enrollment by Day/Night Status: Spring 2017

Course	Day				Night				Both			
	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%
GIS 101	.	.	.	.	1	25	14	22.6	.	.	.	.
GIS 200	1	100	13	100	.	.	.	.	1	50	6	85.7
GIS 201	.	.	.	.	1	25	16	25.8	.	.	.	.
GIS 203	.	.	.	.	1	25	13	21	.	.	.	.
GIS 205	.	.	.	.	1	25	19	30.6	.	.	.	.
GIS 290	.	.	.	.	.	.	.	.	1	50	1	14.3
Total	1	100	13	100	4	100	62	100	2	100	7	100

Source: IRIS Files

F. Geospatial Specialization Enrollment by Session

Table 21. GIS Enrollment by Session: Fall 2014

Course	16-Week				Dynamic			
	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%
GIS 101	.	.	.	.	1	33.3	21	70
GIS 200	2	50	30	54.5	1	33.3	6	20
GIS 201	1	25	15	27.3	.	.	.	.
GIS 255	1	25	10	18.2	.	.	.	.
GIS 290	.	.	.	.	1	33.3	3	10
Total	4	100	55	100	3	100	30	100

Source: IRIS Files

Table 22. GIS Enrollment by Session: Spring 2015

Course	16-Week				Dynamic			
	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%
GIS 101	.	.	.	.	1	33.3	10	47.6
GIS 200	2	50	21	40.4	1	33.3	10	47.6
GIS 201	1	25	17	32.7	.	.	.	.
GIS 203	1	25	14	26.9	.	.	.	.
GIS 290	.	.	.	.	1	33.3	1	4.8
Total	4	100	52	100	3	100	21	100

Source: IRIS Files

Table 23. GIS Enrollment by Session: Fall 2015

Course	12-Week				16-Week				Dynamic			
	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%
GIS 101	1	50	19	65.5	.	.	.	.	.	.	.	.
GIS 200	.	.	.	.	1	33.3	19	48.7	1	33.3	14	87.5
GIS 201	.	.	.	.	1	33.3	10	25.6	.	.	.	.
GIS 255	.	.	.	.	1	33.3	10	25.6	.	.	.	.
GIS 290	.	.	.	.	.	.	.	.	2	66.7	2	12.5
GIS 295	1	50	10	34.5	.	.	.	.	.	.	.	.
Total	2	100	29	100	3	100	39	100	3	100	16	100

Source: IRIS Files

Table 24. GIS Enrollment by Session: Spring 2016

Course	12-Week				14-Week				16-Week				Dynamic			
	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%
GIS 101	1	33.3	20	83.3	.	.	.	.	.	.	.	.	.	.	.	.
GIS 200	.	.	.	.	1	33.3	5	18.5	1	100	14	100	1	100	6	100
GIS 201	.	.	.	.	1	33.3	10	37	.	.	.	.	.	.	.	.
GIS 205	.	.	.	.	1	33.3	12	44.4	.	.	.	.	.	.	.	.
GIS 290	1	33.3	3	12.5	.	.	.	.	.	.	.	.	.	.	.	.
GIS 295	1	33.3	1	4.2	.	.	.	.	.	.	.	.	.	.	.	.
Total	3	100	24	100	3	100	27	100	1	100	14	100	1	100	6	100

Source: IRIS Files

Table 25. GIS Enrollment by Session: Fall 2016

Course	12-Week				16-Week				Dynamic			
	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%
GIS 101	1	50	15	78.9	.	.	.	.	.	.	.	.
GIS 200	.	.	.	.	2	40	21	31.8	1	100	7	100
GIS 201	.	.	.	.	1	20	15	22.7	.	.	.	.
GIS 203	.	.	.	.	1	20	17	25.8	.	.	.	.
GIS 255	.	.	.	.	1	20	13	19.7	.	.	.	.
GIS 290	1	50	4	21.1	.	.	.	.	.	.	.	.
Total	2	100	19	100	5	100	66	100	1	100	7	100

Source: IRIS Files

Table 26. GIS Enrollment by Session: Spring 2017

Course	12-Week				16-Week				Dynamic			
	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%	N of Sections	%	N of Students	%
GIS 101	1	50	14	93.3	.	.	.	.	.	.	.	.
GIS 200	.	.	.	.	1	25	13	21.3	1	100	6	100
GIS 201	.	.	.	.	1	25	16	26.2	.	.	.	.
GIS 203	.	.	.	.	1	25	13	21.3	.	.	.	.
GIS 205	.	.	.	.	1	25	19	31.1	.	.	.	.
GIS 290	1	50	1	6.7	.	.	.	.	.	.	.	.
Total	2	100	15	100	4	100	61	100	1	100	6	100

Source: IRIS Files

Section 2. Geospatial Specialization Student Success

A. Geospatial Specialization Student Success by Campus

Table 27. GIS Student Success Overall: Fall 2014 to Fall 2016

Course	Fall 2014	Fall 2015	Fall 2016
GIS 101	61.9	78.9	86.7
GIS 200	50	87.5	67.9
GIS 201	53.3	60	80
GIS 203	.	.	94.1
GIS 255	100	90	53.8
GIS 290	100	100	100
GIS 295	.	80	.
Total	61.4	81.9	77.2

Source: PeopleSoft Grade Distribution Report
 Note: Courses Offered only at LO

Table 28. GIS Student Success Overall: Spring 2014 to Spring 2017

Course	Spring 2015	Spring 2016	Spring 2017
GIS 101	90	70	92.9
GIS 200	73.3	84	78.9
GIS 201	86.7	100	87.5
GIS 203	85.7	.	92.3
GIS 205	.	91.7	94.7
GIS 290	100	66.7	100
GIS 295	.	100	.
Total	81.4	83.1	89.0

Source: PeopleSoft Grade Distribution Report
 Note: Courses Offered only at LO

B. Geospatial Specialization Student Success by Modality

Table 29. GIS Student Success by Modality: Fall 2014

Course	% Successful College-Wide	% Successful On-Campus	% Successful ELI
GIS 101	61.9	61.9	.
GIS 200	50	50	50
GIS 201	53.3	53.3	.
GIS 255	100	100	.
GIS 290	100	100	.

Source: PeopleSoft Grade Distribution Report

Table 30. GIS Student Success by Modality: Spring 2015

Course	% Successful College-Wide	% Successful On-Campus	% Successful ELI
GIS 101	90	90	.
GIS 200	73.3	66.7	88.9
GIS 201	86.7	86.7	.
GIS 203	85.7	85.7	.
GIS 290	100	100	.

Source: PeopleSoft Grade Distribution Report

Table 31. GIS Student Success by Modality: Fall 2015

Course	% Successful College-Wide	% Successful Hybrid	% Successful On-Campus	% Successful ELI
GIS 101	78.9	78.9	.	.
GIS 200	87.5	.	94.7	76.9
GIS 201	60	.	60	.
GIS 255	90	.	90	.
GIS 290	100	.	100	.
GIS 295	80	80	.	.

Source: PeopleSoft Grade Distribution Report

Table 32. GIS Student Success by Modality: Spring 2016

Course	% Successful College-Wide	% Successful On-Campus	% Successful ELI
GIS 101	70	70	.
GIS 200	84	84.2	83.3
GIS 201	100	100	.
GIS 205	91.7	91.7	.
GIS 290	66.7	66.7	.
GIS 295	100	100	.

Source: PeopleSoft Grade Distribution Report

Table 33. GIS Student Success by Modality: Fall 2016

Course	% Successful College-Wide	% Successful Hybrid	% Successful On-Campus	% Successful ELI
GIS 101	86.7	.	86.7	.
GIS 200	67.9	71.4	42.9	85.7
GIS 201	80	.	80	.
GIS 203	94.1	.	94.1	.
GIS 255	53.8	53.8	.	.
GIS 290	100	.	100	.

Source: PeopleSoft Grade Distribution Report

Table 34. GIS Student Success by Modality: Spring 2017

Course	% Successful College-Wide	% Successful Hybrid	% Successful On-Campus	% Successful ELI
GIS 101	92.9	.	92.9	.
GIS 200	78.9	.	84.6	66.7
GIS 201	87.5	.	87.5	.
GIS 203	92.3	92.3	.	.
GIS 205	94.7	.	94.7	.
GIS 290	100	.	100	.

Source: PeopleSoft Grade Distribution Report

C. Geospatial Specialization Student Success by Dual Enrollment Status

Note: There are no Dual Enrolled Students from Fall 2014 through Spring 2017

D. Geospatial Specialization Student Success by Session

Table 35. GIS Student Success by Session: Fall 2014

Course	% Success College-Wide	% Success 16-Week	% Success Dynamic
GIS 101	61.9	.	61.9
GIS 200	50	50	50
GIS 201	53.3	53.3	.
GIS 255	100	100	.
GIS 290	100	.	100

Source: PeopleSoft Grade Distribution Report

Table 36. GIS Student Success by Session: Spring 2015

Course	% Success College-Wide	% Success 16-Week	% Success Dynamic
GIS 101	90	.	90
GIS 200	73.3	66.7	88.9
GIS 201	86.7	86.7	.
GIS 203	85.7	85.7	.
GIS 290	100	.	100

Source: PeopleSoft Grade Distribution Report

Table 37. GIS Student Success by Session: Fall 2015

Course	% Success College-Wide	% Success 12-Week	% Success 16-Week	% Success Dynamic
GIS 101	78.9	78.9	.	.
GIS 200	87.5	.	94.7	76.9
GIS 201	60	.	60	.
GIS 255	90	.	90	.
GIS 290	100	.	.	100
GIS 295	80	80	.	.

Source: PeopleSoft Grade Distribution Report

Table 38. GIS Student Success by Session: Spring 2016

Course	% Success College-Wide	% Success 12-Week	% Success 14-Week	% Success 16-Week	% Success Dynamic
GIS 101	70	70	.	.	.
GIS 200	84	.	80	85.7	83.3
GIS 201	100	.	100	.	.
GIS 205	91.7	.	91.7	.	.
GIS 290	66.7	66.7	.	.	.
GIS 295	100	100	.	.	.

Source: PeopleSoft Grade Distribution Report

Table 39. GIS Student Success by Session: Fall 2016

Course	% Success College-Wide	% Success 12-Week	% Success 16-Week	% Success Dynamic
GIS 101	86.7	86.7	.	.
GIS 200	67.9	.	61.9	85.7
GIS 201	80	.	80	.
GIS 203	94.1	.	94.1	.
GIS 255	53.8	.	53.8	.
GIS 290	100	100	.	.

Source: PeopleSoft Grade Distribution Report

Table 40. GIS Student Success by Session: Spring 2017

Course	% Success College-Wide	% Success 12-Week	% Success 16-Week	% Success Dynamic
GIS 101	92.9	92.9	.	.
GIS 200	78.9	.	84.6	66.7
GIS 201	87.5	.	87.5	.
GIS 203	92.3	.	92.3	.
GIS 205	94.7	.	94.7	.
GIS 290	100	100	.	.

Source: PeopleSoft Grade Distribution Report

E. Geospatial Specialization Graduation Rate

Table 41. GIS A.S. Graduation Rate from Any Program: Fall 2009 Cohort through Fall 2013 Cohort

	Fall 2009 Cohort			Fall 2010 Cohort			Fall 2011 Cohort			Fall 2012 Cohort			Fall 2013 Cohort		
	N	Graduated w in 4 Years		N	Graduated w in 4 Years		N	Graduated w in 4 Years		N	Graduated w in 4 Years		N	Graduated w in 4 Years	
		#	%		#	%		#	%		#	%		#	%
Associate's	N	#	%	N	#	%	N	#	%	N	#	%	N	#	%
8825	0	0	0	0	0	0	0	0	0	0	0	0	14	2	14.3
All Program-Placed Associate's	6,119	1,516	24.8	5,963	1,312	22	6,438	1,517	23.6	6,907	1,589	23	7,486	1,806	24.1

Source: PeopleSoft Grade Distribution Report

Note: Students who graduated within the four- year time frame are counted.

Table 42. GIS C.S.C. Graduation Rate from Any Program: Fall 2011 Cohort through Fall 2015 Cohort

	Fall 2011 Cohort			Fall 2012 Cohort			Fall 2013 Cohort			Fall 2014 Cohort			Fall 2015 Cohort		
	N	Graduated w in 2 Years		N	Graduated w in 2 Years		N	Graduated w in 2 Years		N	Graduated w in 2 Years		N	Graduated w in 2 Years	
		#	%		#	%		#	%		#	%		#	%
All Program-Placed Certificates	328	9	2.74	319	14	4.39	282	19	6.74	237	12	5.06	153	16	10.5
221-719-71	49	18	36.7	58	15	25.9	53	12	22.6	39	6	15.4	44	8	18.2

Source: PeopleSoft Grade Distribution Report

Note: Students who graduated within the four- year time frame are counted.

Table 43. GIS A.S. Graduation Rate from Same Program: Fall 2009 Cohort through Fall 2013 Cohort

	Fall 2009 Cohort			Fall 2010 Cohort			Fall 2011 Cohort			Fall 2012 Cohort			Fall 2013 Cohort		
	N	Graduated w		N	Graduated w		N	Graduated w		N	Graduated w		N	Graduated w	
		in 4 Years			in 4 Years			in 4 Years			in 4 Years				
Degree	#	%	#	%	N	#	%	N	#	%	N	#	%		
8825	0	0	0	0	0	0	0	0	0	0	0	14	1	7.1	

Source: PeopleSoft Grade Distribution Report

Note: Students who graduated within the four- year time frame are counted.

Table 44. GIS A.S. Graduation Rate from Same Program: Fall 2011 Cohort through Fall 2015 Cohort

	Fall 2011 Cohort			Fall 2012 Cohort			Fall 2013 Cohort			Fall 2014 Cohort			Fall 2015 Cohort		
	N	Graduated w		N	Graduated w		N	Graduated w		N	Graduated w		N	Graduated w	
		in 2 Years			in 2 Years			in 2 Years			in 2 Years				
	#	%	#	%	N	#	%	N	#	%	N	#	%		
221-719-71	49	13	26.5	58	9	15.5	53	12	22.6	39	5	12.8	44	7	15.9

Source: PeopleSoft Grade Distribution Report

Note: Students who graduated within the two- year time frame are counted.

F. Geospatial Specialization Cumulative Mean GPA of Graduates

Table 45. GIS Cumulative Mean GPA of Graduates: 2012-13 through 2016-17

	Curriculum Code	2012-13	2013-14	2014-15	2015-16	2016-17
GIS- CSC	221-719-71	3.68	3.44	3.59	3.69	3.64
Social Sciences, A.S.	8825	0	2.8	3.6	3.96	3.34
College		3.2	3.22	3.21	3.2	3.2

Source: PeopleSoft Grade Distribution Report

Note: "-" GPA not provided for programs with fewer than 10 graduates

Section 3. Geospatial Specialization FTES, Current Funded Ratio, and FTEF Requirement

A. Geospatial Specialization FTES, Current Funded Ratio, and FTEF Requirement Fall 2013 through Spring 2017

Table 46. GIS FTES, Current Funded Ratio, and FTEF Requirement by Campus: Fall 2013

Campus	FTES	Current Funded Ratio	FTEF Requirement	FT FTEF	Difference	PT FTEF
Loudoun	16.7	19.9	0.8	0.4	0.4	0.7
Woodbridge	1.2	19.9	0.1	.	.	.

Source: OIR Selected Trend Data on Disciplines

Table 47. GIS FTES, Current Funded Ratio, and FTEF Requirement by Campus: Spring 2014

Campus	FTES	Current Funded Ratio	FTEF Requirement	FT FTEF	Difference	PT FTEF
Loudoun	20.3	19.9	1	0.6	0.4	0.8
Woodbridge	3.2	19.9	0.2	0.2	0	0

Source: OIR Selected Trend Data on Disciplines

Table 48. GIS FTES, Current Funded Ratio, and FTEF Requirement by Campus: Fall 2014

Campus	FTES	Current Funded Ratio	FTEF Requirement	FT FTEF	Difference	PT FTEF
Loudoun	16.6	19.9	0.8	0.6	0.2	0.6

Source: OIR Selected Trend Data on Disciplines

Table 49. GIS FTES, Current Funded Ratio, and FTEF Requirement by Campus: Spring 2015

Campus	FTES	Current Funded Ratio	FTEF Requirement	FT FTEF	Difference	PT FTEF
Loudoun	14.5	19.9	0.7	0	0.7	1.1

Source: OIR Selected Trend Data on Disciplines

Table 50. GIS FTES, Current Funded Ratio, and FTEF Requirement by Campus: Fall 2015

Campus	FTES	Current Funded Ratio	FTEF Requirement	FT FTEF	Difference	PT FTEF
Loudoun	15.9	19.9	0.8	0	0.8	1.1

Source: OIR Selected Trend Data on Disciplines

Table 51. GIS FTES, Current Funded Ratio, and FTEF Requirement by Campus: Spring 2016

Campus	FTES	Current Funded Ratio	FTEF Requirement	FT FTEF	Difference	PT FTEF
Loudoun	13.8	19.9	0.7	0.6	0.1	0.6

Source: OIR Selected Trend Data on Disciplines

Table 52. GIS FTES, Current Funded Ratio, and FTEF Requirement by Campus: Fall 2016

Campus	FTES	Current Funded Ratio	FTEF Requirement	FT FTEF	Difference	PT FTEF
Loudoun	17.9	19.9	0.9	0.8	0.1	0.6

Source: OIR Selected Trend Data on Disciplines

Table 53. GIS FTES, Current Funded Ratio, and FTEF Requirement by Campus: Spring 2017

Campus	FTES	Current Funded Ratio	FTEF Requirement	FT FTEF	Difference	PT FTEF
Loudoun	16.3	19.9	0.8	0.8	0	0.7

Source: OIR Selected Trend Data on Disciplines

PATHWAY TO THE AMERICAN DREAM—NOVA'S STRATEGIC PLAN 2017-2023

THE NOVA COMMITMENT

As its primary contributions to meeting the needs of the Commonwealth of Virginia, the Northern Virginia Community College pledges to advance the social and economic mobility of its students while producing an educated citizenry for the 21st Century.

THE STRATEGIC PLAN GOALS AND OBJECTIVES

To deliver on this commitment NOVA will focus its creativity and talent, its effort and energy, and its resources and persistence, on achieving three overarching goals—success, achievement, and prosperity. It will strive to enable **Every Student to Succeed, Every Program to Achieve, and Every Community to Prosper.**

To advance the completion agenda described above, thereby promoting students' success and enhancing their social mobility, ensuring that programs achieve, and producing an educated citizenry for the 21st Century, the following goals and objectives are adopted:

GOAL 1: Every Student Succeeds

- **Objective 1:** Develop a College-wide approach to advising that ensures all students are advised and have access to support throughout their time at NOVA
- **Objective 2:** Implement VIP-PASS System as the foundational technology based on NOVA Informed Pathways for student self-advising, assignment and coordination of advisors, and course registration

GOAL 2: Every Program Achieves

- **Objective 3:** Develop comprehensive, fully integrated Informed Pathways for every program to ensure seamless transitions from high school and other entry points to NOVA, and from NOVA to four-year transfer institutions or the workforce
- **Objective 4:** Develop effective processes and protocols for programmatic College-wide collective decisions that include consistent, accountable leadership and oversight of each academic program with designated "owners," active advisory committees, clear student learning outcomes and assessments, and program reviews in all modalities of instruction
- **Objective 5:** Align NOVA's organizational structures, position descriptions, and expectations for accountability with its overarching mission to support student engagement, learning, success and institutional effectiveness

GOAL 3: Every Community Prospers

- **Objective 6:** Enhance the prosperity of every community in Northern Virginia by refocusing and prioritizing NOVA's workforce development efforts
- **Objective 7:** Further develop NOVA's IT and Cybersecurity programs to support regional job demand and position NOVA as the leading IT community college in the nation
- **Objective 8:** Re-envision workforce strategies and integrate workforce development into a NOVA core focus
- **Objective 9:** Plan to expand the breadth and reach of NOVA's healthcare and biotechnology programs, and prioritize future programs to support regional economic development goals economic development goals

NOVA

**Northern Virginia
Community College**

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