

Analysis of Enrollment Demand at the Manassas Campus: Fall 2012 through Spring 2015

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Office of Institutional Effectiveness and Student Success Initiatives

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OFFICE OF INSTITUTIONAL EFFECTIVENESS AND STUDENT SUCCESS INITIATIVES

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 Initiatives must be cited as the source.

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Analysis of Enrollment Demand at the Manassas Campus: Fall 2012 through Spring 2015

Introduction

This Report presents an examination of enrollment data at the Manassas Campus (excluding Extended Learning Institute [ELI] data) from Fall 2012 through Spring 2015. This Report is divided into three sections, beginning with high and low enrollment disciplines, followed by disciplines with growing and declining enrollment, and concluding with high and low enrollment courses.

Summary

- **Disciplines with the highest enrollment at Manassas Campus in Fall 2014**
 - English (ENG): 2,129 students
 - Math (MTH): 1,644 students
 - Biology (BIO): 1,281
 - History (HIS): 1,035

- **Disciplines with the lowest enrollment at Manassas Campus in Fall 2014**
 - Basic Skills (BSK): 12 students
 - Health Information Management (HIM): 14 students
 - Marketing (MKT): 22 students
 - French (FRE): 26 students
 - Arabic (ARA): 29 students

- **Disciplines at Manassas Campus with growth rates over 50 percent between Fall 2012 and Fall 2014 (regardless of enrollment size)**
 - Health (HLT): increased 173 percent
 - Engineering (EGR): increased 110 percent
 - Physics (PHY): increased 104 percent
 - Student Development (SDV): increased 99 percent
 - Environmental Science (ENV): increased 62 percent
 - Political Science (PLS): increased 55 percent
 - Education (EDU) increased 53 percent
 - Welding (WEL) increased 52 percent

- **Disciplines at Manassas Campus with negative growth rates over 30 percent between Fall 2012 and Fall 2014 (regardless of enrollment size)**
 - Natural Science (NAS): decreased 38 percent
 - Music (MUS): decreased 35 percent
 - French (FRE): decreased 32 percent

- **Fall 2012 to Fall 2014 highest growth rates among the top 15 disciplines with the highest enrollment**
 - Student Development (SDV): increased 99 percent
 - Communication Studies and Theatre (CST): increased 39 percent
 - Physical Education and Recreation (PED): increased 39 percent
 - Mathematics (MTH): increased 28 percent

- **Fall 2012 to Fall 2014 highest growth rates among the 15 disciplines with the lowest enrollment**
 - Environmental Science (ENV): increased 63 percent
 - Education (EDU): increased 53 percent
 - Philosophy (PHI): increased 33 percent

- **Courses with the highest number of students enrolled in Fall 2014**
 - ENG 111: 1,417 students
 - SDV 100: 779 students

- **Courses with the lowest number of students enrolled in Fall 2014**
 - 5 courses with fewer than 5 students enrolled.

Data Notes

Within tables, discipline/course enrollment data are presented for the Fall 2012 through Spring 2015 semesters. The numbers presented are the total enrollment at the course level (e.g., for each discipline, the total number of students enrolled in each section of each course within the discipline is summed.) These data do not refer to program enrollments. The difference in enrollment from Fall 2012 to Fall 2104 is also provided, and the percent difference is referred to as the growth rate. Disciplines and courses are referred to by their three-letter discipline prefix (prefix definitions are on page 11).

Section 1: High and Low Enrollment Disciplines at the Manassas Campus: Fall 2012 through Spring 2015

Table 1 presents the top 15 disciplines with the highest enrollment at the Manassas Campus in the Fall of 2014 (the data is ordered by Fall 2014 enrollment figures).

Table 1. Top 15 Highest Enrollment Disciplines: Fall 2012 through Spring 2015

No.	Discipline	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Difference from Fall 2012 to Fall 2014	
								#	%
1	ENG	2,324	1,582	1,765	1,763	2,129	1,846	-195	-8.4
2	MTH	1,289	1,179	1,617	1,354	1,644	1,444	355	27.5
3	BIO	1,078	1,104	1,256	1,201	1,281	1,225	203	18.8
4	HIS	1,026	934	1,115	947	1,035	975	9	0.9
5	SDV	446	328	672	389	889	472	443	99.3
6	CST	594	654	708	767	826	689	232	39.1
7	MTT	711	544	672	525	721	568	10	1.4
8	ITE	712	596	798	675	712	617	0	0.0
9	PSY	724	717	750	706	704	746	-20	-2.8
10	PED	481	545	612	649	666	619	185	38.5
11	ART	611	597	581	668	628	661	17	2.8
12	AUT	490	530	467	477	468	531	-22	-4.5
13	ECO	337	346	373	363	365	396	28	8.3
14	ESL	344	323	396	391	365	339	21	6.1
15	ENF	--	425	401	287	343	201	343	--

Note: ELI data are not included.
 (--) discipline not offered.

Table 2 presents the 15 disciplines with the lowest enrollment at the Manassas Campus, ordered by Fall 2014 figures.

Table 2. Top 15 Lowest Enrollment Disciplines: Fall 2012 through Spring 2015

No.	Discipline	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Difference from Fall 2012 to Fall 2014	
								#	%
1	BSK	--	5	17	9	12	8	12	--
2	HIM	--	--	14	19	20	0	20	--
3	MKT	20	--	22	28	22	30	2	10
4	FRE	38	38	30	19	26	11	-12	-31.6
5	ARA	24	19	30	31	29	27	5	20.8
6	GOL	44	40	35	45	33	36	-11	-25
7	MUS	57	37	38	20	37	36	-20	-35.1
8	REL	56	49	56	43	50	36	-6	-10.7
9	NAS	86	134	100	95	53	32	-33	-38.4
10	GEO	55	54	44	51	53	64	-2	-3.6
11	DSL	48	59	36	56	55	54	7	14.6
12	EDU	40	86	73	62	61	76	21	52.5
13	PHI	49	61	85	82	65	53	16	32.7
14	ENV	48	66	51	67	78	90	30	62.5
15	ITP	114	80	91	84	98	110	-16	-14

Note: ELI data are not included.
 (--) discipline not offered.

Section 2. Discipline Growth Rates at the Manassas Campus: Fall 2012 to Fall 2014

Table 3 presents the fastest growing disciplines, regardless of size, at the Manassas Campus, ordered by growth rate from Fall 2012 to Fall 2014. Only disciplines with a growth rate of 10 percent or higher are included.

Table 3. Disciplines with the Greatest Rates of Enrollment Growth (Regardless of Enrollment Size): Fall 2012 to Fall 2014

No.	Discipline	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Difference from Fall 2012 to Fall 2014	
								#	%
1	HLT	37	19	49	104	101	113	64	173.0
2	EGR	70	75	94	178	147	176	77	110.0
3	PHY	75	22	127	111	153	194	78	104.0
4	SDV	446	328	672	389	889	472	443	99.3
5	ENV	48	66	51	67	78	90	30	62.5
6	PLS	96	80	83	64	149	126	53	55.2
7	EDU	40	86	73	62	61	76	21	52.5
8	WEL	90	105	140	164	137	131	47	52.2
9	SOC	188	210	308	240	264	203	76	40.4
10	CST	594	654	708	767	826	689	232	39.1
11	PED	481	545	612	649	666	619	185	38.5
12	CHM	201	183	245	227	270	287	69	34.3
13	PHI	49	61	85	82	65	53	16	32.7
14	CSC	198	202	256	323	262	268	64	32.3
15	MTH	1,289	1,179	1,617	1,354	1,644	1,444	355	27.5
16	BUS	239	329	271	320	301	275	62	25.9
17	ARA	24	19	30	31	29	27	5	20.8
18	BIO	1,078	1,104	1,256	1,201	1,281	1,225	203	18.8
19	ITD	109	101	140	149	128	166	19	17.4
20	DSL	48	59	36	56	55	54	7	14.6
21	ITN	237	240	279	334	264	277	27	11.4
22	MKT	20	--	22	28	22	30	2	10.0

Note: ELI data are not included.
 (--) discipline not offered.

Table 4 displays the disciplines, regardless of discipline size, with the greatest rates of enrollment decline at the Manassas Campus from Fall 2012 to Fall 2014. These 14 disciplines were the only disciplines to experience negative growth at the Manassas Campus from Fall 2012 to Fall 2014.

Table 4. Disciplines with the Greatest Rates of Enrollment Decline (Regardless of Enrollment Size): Fall 2012 to Fall 2014

No.	Discipline	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Difference from Fall 2012 to Fall 2014	
								#	%
1	NAS	86	134	100	95	53	32	-33	-38.4
2	MUS	57	37	38	20	37	36	-20	-35.1
3	FRE	38	38	30	19	26	11	-12	-31.6
4	GOL	44	40	35	45	33	36	-11	-25.0
5	CHD	279	262	165	248	230	216	-49	-17.6
6	ITP	114	80	91	84	98	110	-16	-14.0
7	ADJ	388	323	373	314	334	375	-54	-13.9
8	REL	56	49	56	43	50	36	-6	-10.7
9	SPA	174	147	177	155	156	174	-18	-10.3
10	ENG	2,324	1,582	1,765	1,763	2,129	1,846	-195	-8.4
11	ACC	257	255	274	318	244	246	-13	-5.1
12	AUT	490	530	467	477	468	531	-22	-4.5
13	GEO	55	54	44	51	53	64	-2	-3.6
14	PSY	724	717	750	706	704	746	-20	-2.8

Note: ELI data are not included.
 (--) discipline not offered.

Table 5 presents the top 15 high enrollment disciplines (provided in Table 1) in order from highest to lowest growth rate from Fall 2012 to Fall 2014. Disciplines with enrollment increases of 5.1 percent and above are shaded green; those between 0.0 and 5.0 percent are shaded orange, while disciplines with a decline in enrollment are shaded red.

Table 5. Growth Rates of the Top 15 Highest Enrollment Disciplines: Fall 2012 to Fall 2014

No.	Discipline	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Difference from Fall 2012 to Fall 2014	
								#	%
1	SDV	446	328	672	389	889	472	443	99.3
2	CST	594	654	708	767	826	689	232	39.1
3	PED	481	545	612	649	666	619	185	38.5
4	MTH	1,289	1,179	1,617	1,354	1,644	1,444	355	27.5
5	BIO	1,078	1,104	1,256	1,201	1,281	1,225	203	18.8
6	ECO	337	346	373	363	365	396	28	8.3
7	ESL	344	323	396	391	365	339	21	6.1
8	ART	611	597	581	668	628	661	17	2.8
9	MTT	711	544	672	525	721	568	10	1.4
10	HIS	1,026	934	1,115	947	1,035	975	9	0.9
11	ITE	712	596	798	675	712	617	0	0.0
12	PSY	724	717	750	706	704	746	-20	-2.8
13	AUT	490	530	467	477	468	531	-22	-4.5
14	ENG	2,324	1,582	1,765	1,763	2,129	1,846	-195	-8.4
15	ENF	--	425	401	287	343	201	343	--

Note: ELI data are not included.
 (--) discipline not offered.

Table 6 presents the same top 15 low enrollment disciplines data as provided in Table 2, ordered from highest to lowest growth rate from Fall 2012 to Fall 2014.

Table 6. Growth Rates of the Top 15 Lowest Enrollment Disciplines: Fall 2012 to Fall 2014

No.	Discipline	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Difference from Fall 2012 to Fall 2014	
								#	%
1	ENV	48	66	51	67	78	90	30	62.5
2	EDU	40	86	73	62	61	76	21	52.5
3	PHI	49	61	85	82	65	53	16	32.7
4	ARA	24	19	30	31	29	27	5	20.8
5	DSL	48	59	36	56	55	54	7	14.6
6	MKT	20	--	22	28	22	30	2	10.0
7	GEO	55	54	44	51	53	64	-2	-3.6
8	REL	56	49	56	43	50	36	-6	-10.7
9	ITP	114	80	91	84	98	110	-16	-14.0
10	GOL	44	40	35	45	33	36	-11	-25.0
11	FRE	38	38	30	19	26	11	-12	-31.6
12	MUS	57	37	38	20	37	36	-20	-35.1
13	NAS	86	134	100	95	53	32	-33	-38.4
14	HIM	--	--	14	19	20	0	20	--
15	BSK	--	5	17	9	12	8	12	--

Note: ELI data are not included.

(--) discipline not offered.

Section 3. High and Low Enrollment Courses at the Manassas Campus: Fall 2012 through Spring 2015

Table 7 presents the 25 courses with the highest enrollment in Fall 2014 at the Manassas Campus. Data are ordered by Fall 2014 figures.

Table 7. Highest Enrollment Courses: Fall 2012 through Spring 2015

No.	Course	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Difference from Fall 2012 to Fall 2014	
								#	%
1	ENG 111	926	642	1,034	650	1,417	569	491	53.0
2	SDV 100	403	264	592	332	779	410	376	93.3
3	ITE 115	606	469	666	535	593	499	-13	-2.1
4	CST 110	413	442	491	482	548	427	135	32.7
5	PED 116	260	289	368	394	524	487	264	101.5
6	BIO 101	609	498	603	515	512	389	-97	-15.9
7	HIS 101	504	195	508	228	495	268	-9	-1.8
8	ENG 112	382	642	430	836	400	923	18	4.7
9	MTH 151	315	225	365	245	383	245	68	21.6
10	MTT 4	447	329	389	261	371	295	-76	-17.0
11	ART 101	279	219	277	296	316	296	37	13.3
12	MTH 163	189	162	278	191	297	225	108	57.1
13	HIS 121	328	211	363	210	285	191	-43	-13.1
14	BIO 102	244	357	256	360	271	319	27	11.1
15	BUS 100	170	130	196	196	255	189	85	50.0
16	ENF 3	--	262	266	207	255	154	255	--
17	MTH 152	251	208	253	210	239	242	-12	-4.8
18	PSY 201	293	228	250	157	234	189	-59	-20.1
19	MTH 166	125	114	177	150	203	150	78	62.4
20	PSY 200	87	86	139	207	202	155	115	132.2
21	BIO 141	74	127	143	141	186	153	112	151.4
22	AUT 225	187	196	200	196	183	192	-4	-2.1
23	ACC 211	163	119	169	141	176	142	13	8.0
24	ECO 201	217	173	231	140	176	154	-41	-18.9
25	ECO 202	93	143	115	171	140	179	47	50.5

Note: ELI data are not included.
 (--) course not offered.

Table 8 presents the low enrollment courses at the Manassas Campus. Low enrollment courses are those with fewer than five total enrollments at the Manassas Campus in Fall 2014. Data are ordered by Fall 2014 figures.

Table 8. Lowest Enrollment Courses: Fall 2012 through Spring 2015

No.	Course	Fall 2012	Spring 2013	Fall 2013	Spring 2014	Fall 2014	Spring 2015	Difference from Fall 2012 to Fall 2014	
								#	%
1	BIO 296	1	--	1	2	1	1	0	0.0
2	CHD 230	5	1	3	3	2	2	-3	-60.0
3	ART 221	--	--	--	9	4	4	4	--
4	ART 242	5	11	4	9	4	7	-1	-20.0
5	ENG 212	6	7	4	6	4	5	-2	-33.3

Note: ELI data are not included.
 (--) course not offered.

Appendix: Discipline/Course Prefixes and Descriptions

Prefix	Description	Prefix	Description
ACC	ACCOUNTING	HRT	HORTICULTURE
ADJ	ADMINISTRATION OF JUSTICE	HUM	HUMANITIES
AIR	AIR CONDITIONING AND REFRIGERATION	IDS	INTERIOR DESIGN
ARA	ARABIC	INT	INTERPRETER EDUCATION
ARC	ARCHITECTURE	ITA	ITALIAN
ART	ARTS	ITD	INFORMATION TECH AND DATABASE DESIGN
ASL	AMERICAN SIGN LANGUAGE	ITE	INFORMATION TECHNOLOGY ESSENTIALS
AST	ADMINISTRATIVE SUPPORT TECHNOLOGY	ITN	INFORMATION TECHNOLOGY NETWORKING
AUB	AUTO BODY	ITP	INFORMATION TECHNOLOGY PROGRAMMING
AUT	AUTOMOTIVE	JPN	JAPANESE
BCS	BROADCASTING	KOR	KOREAN
BIO	BIOLOGY	LAT	LATIN
BLD	BUILDING	LBR	LIBRARY TECHNOLOGY
BUS	BUSINESS MANAGEMENT AND ADMIN.	LGL	PARALEGAL STUDIES
CAD	COMPUTER AIDED DRAFTING	MDL	MEDICAL LABORATORY
CHD	CHILDHOOD DEVELOPMENT	MEC	MECHANICAL ENGINEERING TECHNOLOGY
CHI	CHINESE	MKT	MARKETING
CHM	CHEMISTRY	MSC	MILITARY SCIENCE
CIV	CIVIL ENGINEERING TECHNOLOGY	MTH	MATHEMATICS
CON	CONTRACT MANAGEMENT	MTT	DEVELOPMENTAL MATH
CSC	COMPUTER SCIENCE	MUS	MUSIC
CST	COMMUNICATION STUDIES AND THEATRE	NAS	NATURAL SCIENCE
DIT	DIETETICS	NUR	NURSING
DMS	DIAGNOSTIC MEDICAL SONOGRAPHY	OCT	OCCUPATIONAL THERAPY
DNH	DENTAL HYGIENE	PBS	PUBLIC SERVICE
DSL	DIESEL	PED	PHYSICAL EDUCATION AND RECREATION
ECO	ECONOMICS	PHI	PHILOSOPHY
EDU	EDUCATION	PHT	PHOTOGRAPHY
EGR	ENGINEERING	PHY	PHYSICS
ELE	ELECTRICAL TECHNOLOGY	PLS	POLITICAL SCIENCE
EMS	EMERGENCY MEDICAL SERVICES	POR	PORTUGUESE
ENG	ENGLISH	PSY	PSYCHOLOGY
ENV	ENVIRONMENTAL SCIENCE	PTH	PHYSICAL THERAPIST ASSISTANT
ESL	ENGLISH AS A SECOND LANGUAGE	RAD	RADIOLOGY
ETR	ELECTRONICS TECHNOLOGY	REA	REAL ESTATE
FIN	FINANCIAL SERVICES	REL	RELIGION
FRE	FRENCH	ROC	RADIATION ONCOLOGY
FST	FIRE SCIENCE TECHNOLOGY	RPK	RECREATION AND PARKS
GEO	GEOGRAPHY	RTH	RESPIRATORY THERAPY
GER	GERMAN	RUS	RUSSIAN
GIS	GEOGRAPHIC INFORMATION SYSTEMS	SDV	STUDENT DEVELOPMENT
GOL	GEOLOGY	SOC	SOCIOLOGY
GRE	GREEK	SPA	SPANISH
HIM	HEALTH INFORMATION MANAGEMENT	SSC	SOCIAL SCIENCE
HIN	HINDI	TRV	TRAVEL AND TOURISM
HIS	HISTORY	VET	VETERINARY TECHNOLOGY
HLT	HEALTH	VTN	VIETNAMESE
HMS	HUMAN SERVICES	WEL	WELDING
HRI	HOSPITALITY MANAGEMENT		

NOVA Mission and Strategic Goals: 2005 – 2015

Mission

With commitment to the values of access, opportunity, student success, and excellence, the mission of Northern Virginia Community College is to deliver world-class in-person and online post-secondary teaching, learning, and workforce development to ensure our region and the Commonwealth of Virginia have an educated population and globally competitive workforce.

Strategic Goals

- I. **STUDENT SUCCESS** – Northern Virginia Community College will move into the top tier of community colleges with respect to the college readiness, developmental course completion, retention, graduation, transfer, and career placement of its students.
- II. **ACCESS** – Northern Virginia Community College will increase the number and diversity of students being served to mirror the population growth of the region.
- III. **TEACHING AND LEARNING** – Northern Virginia Community College will focus on student success by creating an environment of world-class teaching and learning.
- IV. **EXCELLENCE** – Northern Virginia Community College will develop ten focal points of excellence in its educational programs and services that will be benchmarked to the best in the nation and strategic to building the College's overall reputation for quality.
- V. **LEADERSHIP** – Northern Virginia Community College will serve as a catalyst and a leader in developing educational and economic opportunities for all Northern Virginians and in maintaining the quality of life and economic competitiveness of the region.
- VI. **PARTNERSHIPS** – Northern Virginia Community College will develop strategic partnerships to create gateways of opportunity and an integrated educational system for Northern Virginians who are pursuing the American Dream.
- VII. **RESOURCES** – Northern Virginia Community College will increase its annual funding by \$100 million and expand its physical facilities by more than one million square feet in new and renovated space. This includes the establishment of two additional campuses at epicenters of the region's population growth, as well as additional education and training facilities in or near established population centers.
- VIII. **EMERGENCY PREPAREDNESS AND CONTINUITY OF OPERATIONS** – Northern Virginia Community College will be recognized as a leader among institutions of higher education in Virginia for its development and testing of emergency response and continuity of operation plans.

NOVA

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