

Transfer Pathways to VCU (2016-17) Northern Virginia Community College

Virginia Commonwealth University (VCU) welcomes applications from Northern Virginia Community College (NOVA) students. VCU encourages students to participate in the Guaranteed Admission Agreement (GAA) that VCU has established with the Virginia Community College System. NOVA students who complete a General Education Certificate and/or a transfer-oriented Associates degree, with a minimum GPA of 2.5, with no grades below a C in all transferable courses, are guaranteed general admission to VCU.

Admission into the following baccalaureate programs at VCU is **NOT** guaranteed by the GAA:

- All baccalaureate degree programs in the School of Allied Health Professions;
- All baccalaureate degree programs in the School of the Arts;
- All baccalaureate degree programs in the School of Engineering;
- Bachelor of Science in Dental Hygiene;
- Bachelor of Science in Nursing

Certain VCU programs have also developed articulation agreements with NOVA degree programs. In most cases, these articulation agreements specify the course sequence that NOVA students should complete prior to transferring to VCU.

More information about our transfer agreements, including the Guaranteed Admission Agreement, is located at: <http://www.ugrad.vcu.edu/apply/transfer/agreements.html>. "Students planning on transferring to VCU under the Guaranteed Admission Agreement must sign the "Letter of Interest" after completing 15 credits and more than 90 days before completing a transfer-oriented Associates degree.
<http://ugrad.vcu.edu/apply/transfer/letter-of-interest.aspx>

By carefully selecting an appropriate degree program at NOVA and completing certain required courses for that degree program, students can fulfill the introductory-level requirements of the first one or two years for most baccalaureate degree programs at VCU.

The following pages provide specific course recommendations for students enrolled in those degree programs that correspond to the NOVA curricular requirements for those degrees.

1. General Education Certificate (See page 3):

The General Education Certificate (G.E.C.) is awarded to students pursuing an Associate of Science or Associate of Arts degree. The Certificate requires completion of 33 credits of transferable general education courses and is appropriate for all students who wish to transfer to VCU in less than two years. This is particularly appropriate for undecided students or prospective art students. Although the Certificate is a good option for prospective art students at VCU, it does not guarantee admission into the School of the Arts. Prospective art students should review admission requirements at:

<http://arts.vcu.edu/admissions/how-to-apply/>

2. Associate of Science in Business Administration (See page 4):

This pathway is appropriate for prospective VCU majors in Accounting, Business Administration and Management, Economics (Business), Finance, Financial Technology, Human Resource Management, Information Systems, Marketing, or Real Estate.

3. Associate of Science in Computer Science (See page 5):

This pathway is appropriate for prospective majors in Computer Science.

4. Associate of Science in Engineering (See page 6):

This pathway is appropriate for prospective majors in Biomedical Engineering, Chemical and Life Science Engineering, Computer Engineering, Electrical Engineering, and Mechanical Engineering. **NOTE: Completing the associate degree does not guarantee acceptance into these engineering programs.**

5. Associate of Arts in Fine Arts (See page 7):

The Associate of Arts in Fine Arts is designed for students who plan on transferring to a visual art major at VCU. Although the A.A. in Fine Arts is a good option for prospective art students at VCU, it does not guarantee admission into the School of the Arts and it will not necessarily reduce the number of years and amount of credits needed to graduate from VCU. Prospective art students should review admission requirements at: <http://arts.vcu.edu/admissions/how-to-apply/>

6. Associate of Arts in Liberal Arts (See page 8):

This pathway is appropriate for prospective majors in English, Foreign Language (French, German, Spanish), History, Homeland Security, International Studies, and Political Science.

7. Associate of Science in Science (See page 9):

This pathway is appropriate for prospective majors in Bioinformatics, Biology, Chemistry, Environmental Studies, Forensic Science, Mathematical Sciences, Physics, and Science. This degree program is also suitable for students interested in Pre-dentistry, Pre-medicine, Pre-pharmacy, or Pre-physical Therapy (following the recommendations for Biology majors). However, students should refer to the VCU health program's website for information concerning admission prerequisites and adjust the course selection accordingly. **NOTE: Completing the associate degree does not guarantee acceptance into these health programs.**

Students interested in Exercise Science are eligible for the Guaranteed Admission Agreement but should complete the recommended courses listed in this section. The A.S. in Science is the most suitable associate degree.

8. Associate of Science in Social Sciences (See page 11):

This pathway is appropriate for prospective majors in African-American Studies, Anthropology, Criminal Justice, Economics (Humanities & Science), Mass Communications, Philosophy, Psychology, Religious Studies, Social Work, Sociology, Urban and Regional Studies, and Gender, Sexuality and Women's Studies.

9. Associate of Science in Social Sciences-Teacher Education (See page 13):

Articulation agreement:

<http://www.ugrad.vcu.edu/pdfs/transfer/NOVA%20Teacher%20Preparation%20Agreement.pdf>

Appropriate for students who wish to transfer to the major in Liberal Studies for Early and Elementary Education and complete the Extended Teacher Preparation Program in Elementary Education. Students who wish to teach Middle or High School should select one of the following majors: Biology, Chemistry, English, Environmental Science, History, Mathematical Sciences, Physics, or Political Science..

10. Recommended courses for the VCU Health Science Programs (page 14-19):

For students interested in applying for one of the following Health Science programs at VCU: Clinical Laboratory Sciences, Dental Hygiene, Nursing, Occupational Therapy, and Radiation Science. Students should refer to the health program's website for information concerning admission prerequisites and adjust the course selection accordingly. **NOTE: Completing an associate degree does not guarantee acceptance into these health programs.**

General Education Certificate Northern Virginia Community College

http://www.nvcc.edu/catalog/cat2016/academics/programs/programdetail.aspx?prog_id=2250&subprog_id=0&level=1

The General Education Certificate (G.E.C.) is awarded to students pursuing an Associate of Science or Associate of Arts degree. The Certificate requires completion of 33 credits of transferable general education courses and is appropriate for all students who wish to transfer to VCU in less than two years. By completing the Certificate with a minimum GPA of 2.5, with no grades below a C, students are guaranteed general admission to VCU. Although the Certificate is appropriate for prospective art students at VCU, it does not guarantee admission into the School of the Arts. Prospective art students should review admission requirements at: <http://arts.vcu.edu/admissions/how-to-apply/>

COURSE	TITLE	CREDITS
ENG 111	College Composition I	3
— —	Humanities/Fine Arts Elective	3
MTH ____	Mathematics: Prospective business, engineering, health, or science majors should take MTH 163, MTH 166, or MTH 173. Other majors should take MTH 163 or MTH 240.	3
— — —	Physical or Life Science Elective w/ Lab: BIO 101, 102, CHM 101, 111, 112, GOL 105, PHY 101, 201 Prospective engineering, health, or science majors should take CHM 111.	4
— — —	Social/Behavioral Science Elective: PSY 200, PSY 201 (Psychology and Social Work majors must also complete PSY 202), SOC 200, SOC 211, or PLS 211	3
SDV 100	College Success Skills (required for degree but not transferable)	1
TOTAL		17
ENG 112	College Composition II	3
— —	Humanities/Fine Arts Elective	3
— — —	Social/Behavioral Science Elective: PSY 200, PSY 201 (Psychology and Social Work majors must also complete PSY 202), SOC 200, SOC 211, or PLS 211	3
— — —	Social/Behavioral Science Elective: PSY 200, PSY 201 (Psychology and Social Work majors must also complete PSY 202), SOC 200, SOC 211, or PLS 211	4
— — —	Physical or Life Science Elective w/ Lab: BIO 101, 102, CHM 101, 111, 112, GOL 105, PHY 101, 201 Prospective engineering, health, or science majors should take BIO 101.	4
TOTAL		16

**Associate of Science: Business Administration
Northern Virginia Community College**

http://www.nvcc.edu/catalog/cat2016/academics/programs/programdetail.aspx?prog_id=800&subprog_id=0&level=1

The Associates of Science in Business Administration is designed for students who plan on transferring to the following majors at VCU: Accounting, Business Administration and Management, Finance, Human Resource Management, Economics, Financial Technology, Information Systems, Marketing, or Real Estate.

COURSE	TITLE	CREDITS
CST __	CST 100 or CST 110	3
ENG 111	College Composition I	3
HIS __	History Elective	3
ITE 115	Introduction to Computer Applications and Concepts	3
MTH 163	Precalculus I (Financial Technology and Information Systems majors should complete MTH 173)	3
SDV 100	College Success Skills (required for degree but not transferable)	1
TOTAL		16
BUS 100	Introduction to Business	3
ENG 112	College Composition II	3
MTH 271	Applied Calculus (Financial Technology and Information Systems majors should complete MTH 174)	3
__ __	Humanities/Fine Arts Elective	3
__ __	Physical or Life Science Elective: BIO 101, CHM 101, 111, GOL 105, PHY 101	4
TOTAL		16
ACC 211	Principles of Accounting I	3
ITE 140	Spreadsheet Software I (Marketing majors take ITE 150 Desktop Database Software)	3
ECO 201	Principles of Economics I - Macroeconomics	3
__ __	Humanities/Fine Arts Elective	3
__ __	Physical or Life Science Elective: BIO 101, CHM 101, 111, GOL 105, PHY 101	4
TOTAL		16
ACC 212	Principles of Accounting II	3
ECO 202	Principles of Economics II – Microeconomics	3
BUS 224	Statistical Analysis for Business	4
BUS __	Business Elective	3
PED 116	Lifetime Fitness & Wellness	1
TOTAL		14
TOTAL		62

**Associate of Science: Computer Science
Northern Virginia Community College**

http://www.nvcc.edu/catalog/cat2016/academics/programs/programdetail.aspx?prog_id=1200&subprog_id=0&level=1

The Associate of Science in Computer Science is designed for students who plan on transferring to the Computer Science major at VCU.

COURSE	TITLE	CREDITS
CSC 200	Introduction to Computer Science	4
ENG 111	College Composition I	3
MTH 173	Calculus with Analytic Geometry 1	5
SDV 100	College Success Skills (required for degree but not transferable)	1
___ ___	Social/Behavioral Science: PSY 200, 201-202, SOC 200, SOC 211, PLS 211 or PLS 241	3
TOTAL		16
CSC 201	Computer Science I	4
ENG 112	College Composition II	3
MTH 174	Calculus with Analytic Geometry 2	5
___ ___	Social/Behavioral Science: PSY 200, 201-202, SOC 200, SOC 211, PLS 211 or PLS 241	3
TOTAL		15
CSC 202	Computer Science 2	4
CST 110	Introduction to Communication	3
___ ___	Physical or Life Science Elective w/ Lab: first of a two semester Natural Laboratory Science sequence: BIO101-102, CHM 111-112, PHY 201-202, or PHY 231-232	4
___ ___	Social Science Elective: PSY 200, 201-202, SOC 200, SOC 211, PLS 211 or PLS 241?	3
PED 116	Lifetime Fitness & Wellness	1
TOTAL		15
CSC 205	Computer Organization	3
___ ___	Physical or Life Science Elective w/ Lab: second of a two semester Natural Laboratory Science sequence: BIO101-102, CHM 111-112, PHY 201-202, or PHY 231-232	4
___ ___	Humanities/Fine Arts Elective	3
___ ___	Humanities/Fine Arts Elective	3
___ ___	General Education Elective	1
TOTAL		14
TOTAL		60

Computer Science majors should also complete MTH 286.

**Associate of Science: Engineering
Northern Virginia Community College**

http://www.nvcc.edu/catalog/cat2016/academics/programs/programdetail.aspx?prog_id=1700&subprog_id=0&level=1

The Associate of Science in Engineering is designed for students who plan on transferring to the following majors at VCU: Biomedical Engineering, Chemical and Life Science Engineering, Computer Engineering, Electrical Engineering, and Mechanical Engineering.

COURSE	TITLE	CREDITS
ENG 111	College Composition I	3
SDV 100	College Success Skills (required for degree but not transferable)	1
CHM 111	College Chemistry 1	4
MTH 173	Calculus with Analytic Geometry 1	5
EGR 120	Introduction to Engineering	2
___ ___	Social/Behavioral Science: PSY 200, 201-202, SOC 200, SOC 211, PLS 211 or PLS 241	3
TOTAL		18
ENG 112	College Composition II	3
EGR 126	Computer Programming for Engineers	3
MTH 174	Calculus with Analytic Geometry 2	5
PHY 231	General University Physics 1	5
PED 116	Lifetime Fitness & Wellness	1
TOTAL		17
CST ___	CST 100 or CST 110	3
MTH 277	Vector Calculus	4
___ ___	Social/Behavioral Science: PSY 200, 201-202, SOC 200, SOC 211, PLS 211 or PLS 241	3
EGR 240	Solid Mechanics (Statics)	3
___ ___	Humanities/Fine Arts Elective. Prospective electrical engineers should take EGR 251 Basic Electric Circuits I	3
TOTAL		16
___ ___	Humanities/Fine Arts Elective	3
PHY 232	General University Physics 2	5
EGR 245 or EGR 252	Engineering Mechanics-Dynamics or Basic Electric Circuits II (for Electrical Engineering)	3
EGR 246 or EGR 255	Mechanics of Materials or Electric Circuits Laboratory	3
___ ___	Engineering Elective	3
TOTAL		17
TOTAL		68
Before transferring all VCU engineering programs recommends completion of MTH 279. Biomedical Engineering recommends completion of BIO 101-102, CHM 112, CHM 241-242, CHM 245-246. Chemical and Life Science Engineering recommends completion of CHM 112, CHM 241-242, CHM 245-246.		

**Associate of Arts: Fine Arts
Northern Virginia Community College**

http://www.nvcc.edu/catalog/cat2016/academics/programs/programdetail.aspx?prog_id=1900&subprog_id=0&level=1

The Associate of Arts in Fine Arts is designed for students who plan on transferring to a visual art major at VCU. Although the A.A. in Fine Arts is a good option for prospective art students at VCU, it does **not** guarantee admission into the School of the Arts and it will not necessarily reduce the number of years and amount of credits needed to graduate from VCU. Prospective art students should review admission requirements at: <http://arts.vcu.edu/admissions/how-to-apply/>

COURSE	TITLE	CREDITS
ENG 111	College Composition I	3
SDV 100	College Success Skills (required for degree but not transferable)	1
ART 101	History and Appreciation of Art 1	3
ART 121 or 131	Drawing 1 or Fundamentals of Design I	4
___ ___	Foreign Language (201 in French, German, Italian or Spanish for Art History; 101 for other art majors)	3
___ ___	Social/Behavioral Science: PSY 200, 201-202, SOC 200, SOC 211, PLS 211 or PLS 241	3
TOTAL		17
ENG 112	College Composition II	3
ART 102	History and Appreciation of Art 2	3
ART 122 or 132	Drawing 2 or Fundamentals of Design II	4
___ ___	Foreign Language (202 in French, German, Italian or Spanish for Art History; 102 for other art majors)	3
___ ___	Social/Behavioral Science: PSY 200, 201-202, SOC 200, SOC 211, PLS 211 or PLS 241	3
TOTAL		16
CST 110	Intro to Communication	3
MTH 151	Math for Liberal Arts 1	3
___ ___	Social Science Elective: PSY 200, 201-202, SOC 200, SOC 211, PLS 211 or PLS 241	3
PED 116	Lifetime Fitness & Wellness	1
___ ___	Physical or Life Science Elective w/ Lab: BIO 101, CHM 101, 111, GOL 105, PHY 101	4
TOTAL		14
___ ___	Art or General Elective	3
___ ___	Social Science Elective	3
MTH 152	Math for Liberal Arts 2	3
___ ___	Physical or Life Science Elective w/ Lab: BIO 101, CHM 101, 111, GOL 105, PHY 101	4
TOTAL		13
TOTAL		60

**Associate of Arts: Liberal Arts
Northern Virginia Community College**

http://www.nvcc.edu/catalog/cat2016/academics/programs/programdetail.aspx?prog_id=3100&subprog_id=0&level=1

The Associates of Arts in Liberal Arts is designed for students who plan on transferring to the following majors at VCU: English, Foreign Language (French, German, Spanish), History, Homeland Security, International Studies, and Political Science (majors that require, at minimum, the 202-level of a foreign language).

COURSE	TITLE	CREDITS
ENG 111	College Composition I	3
SDV 100	College Success Skills (required for degree but not transferable)	1
___ ___	Physical or Life Science Elective w/ Lab : BIO 101, CHM 101, 111, GOL 105, PHY 101	4
MTH 151	Math for the Liberal Arts 1	3
___ ___	Foreign Language (201-level)	3
TOTAL		14
ENG 112	College Composition II	3
CST 110	Intro to Communication	3
MTH 152	Math for the Liberal Arts 2	3
___ ___	Foreign Language (202-level)	3
___ ___	Physical or Life Science Elective w/ Lab : BIO 101, CHM 101, 111, GOL 105, PHY 101	4
TOTAL		16
ENG ___	Any 200-Level Literature Course	3
HIS ___	History Elective	3
___ ___	Social/Behavioral Science: PSY 200, 201-202, SOC 200, SOC 211, PLS 211 or PLS 241	3
___ ___	General Elective	3
___ ___	General Elective	3
TOTAL		15
HIS ___	History Elective	3
___ ___	Social/Behavioral Science Elective (select PSY 202 if PSY 201 was selected above; select PLS 241 for International Studies Specialization)	3
___ ___	Humanities/Fine Arts Elective	3
___ ___	General Elective	3
___ ___	General Elective	3
TOTAL		15
TOTAL		60

**Course recommendations for majors:
History: Four 100-level history survey classes
Homeland Security and Political Science: PLS 211 and PLS 241
International Studies: PLS 241**

**Associate of Science: Science
Northern Virginia Community College**

http://www.nvcc.edu/catalog/cat2016/academics/programs/programdetail.aspx?prog_id=4000&subprog_id=0&level=1

The Associates of Science in Science is designed for students who plan on transferring to the following majors at VCU: Bioinformatics, Biology, Chemistry, Environmental Studies, Forensic Science, Mathematical Sciences, Physics, and Science. This degree program is also suitable for students interested in Pre-dentistry, Pre-medicine, Pre-pharmacy, or Pre-physical Therapy (following the recommendations for Biology majors). However, students should refer to the health program's website for information concerning admission prerequisites and adjust the course selection accordingly. **NOTE: Completing the associate degree does NOT guarantee acceptance into the VCU health program.**

Pre-dentistry: <http://www.dentistry.vcu.edu/programs/dds/admissioncriteria/>

Pre-medicine: <http://bulletin.vcu.edu/undergraduate/undergraduate-study/academic-advising/prehealth-prelaw-advising/preparation-study-medicine/>

Pre-pharmacy: <http://pharmacy.vcu.edu/programs/pharmd/prospective/prereq/>

Pre-physical Therapy: <http://www.sahp.vcu.edu/departments/pt/prospective-students/dpt-professional-degree/admission-requirements/prerequisites/>

Recommended Courses for Exercise Science

Students interested in Exercise Science are eligible for the Guaranteed Admission Agreement but should complete the recommended courses listed in this section. The AS in Science is the most suitable associate degree.

English (6 credits)	ENG 111-112
General Biology (4 credits)	BIO 101
Anatomy and Physiology (8 credits)	BIO 231-232
Pre-Calculus or Calculus (3 credits)	MTH 164 OR MTH 173
Statistics (3 credits)	MTH 240
General Chemistry (4 credits)	CHM 111
General Physics (4 credits)	PHY 201
General Psychology (3 credits)	PSY 200
Developmental Psychology (3 credits)	PSY 230

All these majors have a foreign language requirement. This requirement can be fulfilled by means of completion of the 102-level of a language or, with the exception of Social Work, waived if the student completed 3 years of the same foreign language at high school.

COURSE	TITLE	CREDITS
ENG 111	College Composition I	3
SDV 100	College Success Skills (required for degree but not transferable)	1
HIS ____	History elective	3
____	Physical or Life Science Elective w/ Lab: Bioinformatics, Biology, Chemistry, Forensic Science Majors: CHM 111 Environmental Studies, Mathematical Sciences, Physics, Science Majors: BIO 101	4
MTH 173	Calculus with Analytic Geometry 1	5
CSC 110	Introduction to Computing	3
TOTAL		19
ENG 112	College Composition II	3
____	Physical or Life Science Elective w/ Lab: Bioinformatics, Biology, Chemistry, Forensic Science Majors: CHM 112 Environmental Studies, Mathematical Sciences, Physics, Science Majors: BIO 102	4
MTH 174 or 241	Calculus with Analytic Geometry 2 or Statistics I (Biology majors: MTH 241)	5
____	Social/Behavioral Science: PSY 200, 201-202, SOC 200, SOC 211, PLS 211 or PLS 241	3
PED 116	Lifetime Fitness & Wellness	1
TOTAL		16
____	Physical or Life Science Elective w/ Lab: Bioinformatics, Biology, Chemistry, Forensic Science Majors: CHM 241 + CHM 245 Mathematics, Physics Majors: MTH 174 Environmental Studies, Science Majors: GOL 105	4
____	Physical or Life Science Elective w/ Lab: Bioinformatics, Biology, Chemistry, Forensic Science Majors: BIO 101 Physics Majors: PHY 231 Environmental Studies, Mathematical Sciences, Science Majors: CHM 111	4
____	Social/Behavioral Science: PSY 200, 201-202, SOC 200, SOC 211, PLS 211 or PLS 241	3
____	Humanities Elective: Any 200-Level Literature Course	3
____	Elective	3
TOTAL		17
____	Physical or Life Science Elective w/ Lab: Bioinformatics, Biology, Chemistry, Forensic Science Majors: CHM 242 + CHM 246 Mathematics, Physics Majors: MTH 277 or MTH 285 Environmental Studies, Science Majors: BIO 107	4
____	Physical or Life Science Elective w/ Lab: Bioinformatics, Biology, Chemistry, Forensic Science Majors: BIO 102 Physics Major: PHY 232 Environmental Studies, Mathematical Sciences, Science Majors: CHM 112	4
____	Humanities/Fine Arts Elective	3
CST 110	Intro to Communication	3
TOTAL		14
TOTAL		64

**Associate of Science: Social Sciences
Northern Virginia Community College**

http://www.nvcc.edu/catalog/cat2016/academics/programs/programdetail.aspx?prog_id=4100&subprog_id=0&level=1

The Associates of Science in Social Sciences is designed for students who plan on transferring to the following majors at VCU: African-American Studies, Anthropology, Criminal Justice, Economics (Humanities & Science), Gender, Sexuality and Women's Studies, Mass Communications, Philosophy, Psychology, Religious Studies, Social Work, Sociology, and Urban and Regional Studies.

COURSE	TITLE	CREDITS
ENG 111	College Composition I	3
SDV 100	College Success Skills (required for degree but not transferable)	1
HIS ____	History Elective	3
MTH ____	MTH 151 or MTH 163 (preferred)	3
PED 116	Lifetime Fitness and Wellness	1
____ ____	Physical or Life Science Elective w/ Lab	4
TOTAL		15
ENG 112	College Composition II	3
ITE 115	Introduction to Computer Applications	3
MTH ____	MTH 152 (if MTH 151 is taken in previous semester) or MTH 157 (preferred)	3
____ ____	Physical or Life Science Elective w/ Lab	4
____ ____	Social/Behavioral Science	3
TOTAL		16
CST 110	Introduction to Communication	3
____ ____	Social Science Elective	3
____ ____	Social Science Elective	3
____ ____	Humanities Elective	3
SOC ____	Elective	3
TOTAL		15
ENG ____	Any 200-Level Literature Course	3
____ ____	Humanities Elective	3
____ ____	General Education Elective	3
____ ____	General Education Elective	3
____ ____	Social Science Elective	3
TOTAL		15
TOTAL		61

Course recommendations for majors:

All these majors have a foreign language requirement. This requirement can be fulfilled by means of completion of the 102-level of a language or, with the exception of Social Work, waived if the student completed 3 years of the same foreign language at high school.

Transfer Center | Division of Strategic Enrollment Management | Virginia Commonwealth University
 Room 224, Hibbs Hall | 900 Park Avenue, P.O. Box 842547, Richmond, VA 23284
 Phone: (804) 827-1349 Email: transferinfo@vcu.edu
www.transfer.vcu.edu

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Anthropology: BIO 101, MTH 164 or 166, MTH 241, SOC 211
African-American Studies: HIS 141-142
Criminal Justice: ADJ 100
Economics: ECO 201-202
Mass Communications: MTH 241, HIS 121-122
Psychology: MTH 241, PSY 200 and BIO 101
Social Work: SOC 200, SOC 211, PSY 200, BIO 101
Sociology: SOC 200

Associate of Science: Social Sciences (Teacher Education)
Northern Virginia Community College

http://www.nvcc.edu/catalog/cat2016/academics/programs/programdetail.aspx?prog_id=4100&subprog_id=4&level=2

The Associates of Science in Social Sciences is also designed for students who plan on transferring to the Liberal Studies for Early and Elementary Education program. Students who wish to teach Middle or High School should select one of the following majors: Biology, Chemistry, English, Environmental Science, History, Mathematical Sciences, Physics, or Political Science.

COURSE	TITLE	CREDITS
ENG 111	College Composition I	3
SDV 101	Orientation to Education (required for degree but not transferable)	1
HIS 121	U.S. History I	3
MTH 163	Precalculus I	3
HLT 110	Concepts of Personal & Community Health	3
BIO 101	General Biology I	4
	TOTAL	17
ENG 112	College Composition II	3
ITE 115	Introduction to Computer Applications	3
MTH 241	Statistics	3
___ ___	Physical or Life Science Elective w/ Lab	4
HIS 122	U.S. History II	3
	TOTAL	16
CST 110	Introduction to Communication	3
ECO ___	ECO 120 or (ECO 201 and ECO 202)	3
EDU 200	Introduction to Teaching	3
ENG ___	Any 200-level Literature elective	3
___ ___	General Elective	3
	TOTAL	15
GEO 210	People and the Land	3
HIS 101	Western Civilization I	3
PLS 135	American National Politics	3
___ ___	Humanities Electives	3
___ ___	Humanities Electives	3
	TOTAL	15
	TOTAL	63

NOTE: Liberal Studies for Early and Elementary Education has a foreign language requirement. This requirement can be fulfilled by means of completion of the 102-level of a language or waived if the student completed 3 years of the same foreign language at high school.

Recommended Courses for the Health Science programs at VCU Northern Virginia Community College

The following recommended courses are for students interested in applying to a Health Science program at VCU. For more information concerning the admission requirements for the health programs, students should consult the admissions websites for the health program. **NOTE: Completing an associate degree does not guarantee acceptance into these health programs.**

Recommended Courses for Clinical Laboratory Science

<http://sahp.vcu.edu/departments/cls/admissions/undergraduate/>

The basic requirements for admission to the **baccalaureate program** are as follows: students with no previous clinical laboratory training must have completed at least **60 semester hours** at an accredited college or university, including;

<p>Biology: 12 hours to include general biology. Human physiology & anatomy recommended: BIO 101-102 and BIO 141-142</p>
<p>Chemistry: 12 hours to include 8 hours of general chemistry. CHM 111-112 and CHM 241 + CHM 245</p>
<p>English: 6 hours of composition. ENG 111-112</p>
<p>Mathematics: 3 hours. Additional mathematics or physics recommended. MTH 166</p>
<p>Humanities/Arts: 3 hours (selected from courses in history, philosophy, political science, religion, foreign languages, literature, art history, or art appreciation).</p>
<p>Social Sciences: 3 hours (selected from courses in anthropology, economics, geography, psychology, or sociology).</p>
<p>Electives: 21 hours of transferable electives</p>

Recommended Courses for Dental Hygiene

<http://www.dentistry.vcu.edu/programs/dentalhygiene/admission/>

The basic requirements for admission to the **baccalaureate program** are as follows: students must have completed at least **60 semester hours** at an accredited college or university, including;

English (6 credits)	ENG 111-112
General Biology with laboratory (4 credits)	BIO 101
College Chemistry with laboratory (4 credits)	CHM 111
Human Anatomy and Human Physiology (8 credits)	BIO 141-142 or BIO 231-232
Microbiology (4 credits)	BIO 205
Humanities/Arts: 3 hours (selected from courses in history, philosophy, political science, religion, foreign languages, literature, art history, or art appreciation).	
Introductory Sociology (3 credits)	SOC 200
Introductory Psychology (3 credits)	PSY 200
Speech (3 credits)	CST 100 or CST 110
Statistics (3 credits)	MTH 241
Visual or performing art (3 credits)	ART elective
Electives: 18 credits of transferable electives	

Recommended Courses for Nursing (Traditional B.S. Program)

<http://bulletin.vcu.edu/undergraduate/nursing/nursing-bs-traditional-program/#programadmissionrequirementstext>

Admission Requirements – To be considered for the Traditional BS track, applicants must:

- Be eligible for readmission or be in good standing at the last college attended.
- Have a minimum cumulative GPA of 2.5 on all college coursework.
- Have either a minimum SAT of 900 (on the critical thinking and math sections only with neither score below 400) or ACT composite score of 19. Send test scores directly to VCU (SAT code: 5570. ACT code: 4379).

English (6 credits)	ENG 111-112
Psychology (3 credits)	PSY 200
Sociology (3 credits)	SOC 200
General Biology (4 credits)	BIO 101
Anatomy and Physiology (8 credits)	BIO 141-142
Nutrition (3 credits)	DIT 121
Second Laboratory Science (4 credits)	BIO 102, CHM 111, or PHY 201
(4 credits must be college chemistry if applicant did not receive a “C” or better in a high school or developmental chemistry course)	

Recommended Courses for Nursing (R.N. – B.S. Completion Program)

<http://bulletin.vcu.edu/undergraduate/nursing/nursing-bs-rn-bs-completion-program/#programadmissiontext>

Admission Requirements – To be considered for the RN-BS Completion Program, applicants must:

- Be eligible for readmission or be in good standing at the last college attended.
- Be a graduate of an accredited (NLNAC) diploma or associate degree program in nursing.
- Have current unencumbered RN license or an authorization to practice as an RN in Virginia, the District of Columbia or a US possession or territory.
- Have a minimum cumulative GPA of 2.5 on all college coursework.

English (6 credits)	ENG 111-112
Psychology (3 credits)	PSY 200
Sociology (3 credits)	SOC 200
Statistics (3 credits)	MTH 241
Anatomy and Physiology (8 credits)	BIO 141-142
Laboratory Science I (4 credits)	BIO 101 or CHM 111, or PHY 201
*Second Laboratory Science (4 credits)	BIO 102 or CHM 112, or PHY 201 (4 credits must be college chemistry if applicant did not receive a “C” or better in a high school or developmental chemistry course)
Developmental Psychology (3 credits)	PSY 230
Microbiology (4 credits)	BIO 205
Nutrition (3 credits)	DIT 121
Philosophy (3 credits)	PHI elective
Humanities Electives (9 credits): selected from courses in history, philosophy, political science, religion, foreign languages, literature, art history, or art appreciation.	

***Lab Sciences should be selected from college biology, chemistry, or physics. Four credits must be college chemistry if applicant did not receive a “C” or better in a high school or developmental chemistry course.” for one of the two lab science requirements.**

Recommended Courses for Occupational Therapy

<http://www.sahp.vcu.edu/departments/occu/programs/entry-level-otd/prerequisite-courses/>

The basic requirements for admission is a minimum of 90 credits of undergraduate study (at least 15 or more credits must be in upper-level courses) or of a B.A. or B.S. degree from an accredited college or university. The 90 credits must include,

English (6 credits)	ENG 111-112
Anatomy and Physiology (8 credits)	BIO 141-142
Statistics (3 credits)	MTH 241
Developmental Psychology (3 credits)	PSY 230
Abnormal Psychology (3 credits)	PSY 215
Other Psychology or Sociology courses (9 credits)	

Recommended Courses for Radiation Science

<http://www.sahp.vcu.edu/departments/radsci/admissions-and-prerequisites/>

The basic requirements for admission to the **baccalaureate program** are as follows:

English (6 credits)	ENG 111-112
Anatomy and Physiology (8 credits)	BIO 141-142
College Algebra (3 credits)	MTH 163
Physics (4 credits)	PHY 100 or 101 or 102 or 111 or 112 or 201
General Psychology (3 credits)	PSY 200
Humanities Elective (3 credits): selected from courses in history, philosophy, political science, religion, foreign languages, literature, art history, or art appreciation.	