

Guaranteed Admission Agreement  
Between  
Northern Virginia Community College and Virginia Tech  
for the  
Associate of Science – Information Technology OR  
Associate of Science – Business Administration  
to  
Bachelor of Science in Business – Business Information Technology  
with Specialization in Cybersecurity Management and Analytics at the Northern Virginia Campuses

This Guaranteed Admission Agreement (“Agreement”), dated this 28th day of July, 2021 (the “Effective Date”), is made by and between Northern Virginia Community College (“NOVA”), an educational institution and agency of the Commonwealth of Virginia, with headquarters located at the Brault Building, Annandale, VA 22003-3723, and Virginia Polytechnic Institute and State University (“Virginia Tech” or “VT”), an educational institution and agency of the Commonwealth of Virginia, located in Blacksburg, Virginia 24061. Virginia Tech and NOVA are referred to individually as “Party” and collectively as “Parties.”

By this Agreement, NOVA and Virginia Tech express a shared commitment to increasing opportunities for student access and success in higher education. By clarifying transfer policies and procedures, which assure admission and articulation between programs, the institutions seek to assist students by creating clear pathways to baccalaureate degree completion.

- 1) **Purpose:** This program-to-program agreement provides NOVA students opportunities for the most efficient admission process and credit transfer in order to complete Virginia Tech’s Bachelor of Science degree in Business with a major in Business Information Technology, option: Cybersecurity Management and Analytics (“BIT-Cyber”). While the degree is based at Virginia Tech’s main campus in Blacksburg, the cybersecurity option is offered in Blacksburg and also at Virginia Tech’s campus locations in Northern Virginia. However, due to capacity constraints on the Blacksburg campus, this Agreement is not applicable to NOVA students seeking admission to programs hosted at Virginia Tech’s Blacksburg campus.
- 2) **Conditions of Transfer: Admission and Enrollment.** NOVA students who meet the following requirements will be admitted to Virginia Tech into the BIT-Cyber option located **in Northern Virginia:**

- a. Complete all steps of the formal admissions application process by the appropriate deadlines for the intended term of entry (Fall or Spring). Requirements, instructions, and deadlines are noted on the Transfer Application Checklist (<https://vt.edu/admissions/transfer/checklist.html>) and are updated each term. Applicants will select the BIT-Cyber program and Northern Virginia campus location in their application.
- b. Earn either a NOVA AS-Information Technology or AS-Business Administration degree. A final transcript showing degree conferral will be required. Most students will apply for admission prior to degree completion to meet Virginia Tech application deadlines for their intended term of entry. Admitted students will be required to provide final official documents, including transcripts and degree verification, to Virginia Tech and will be provided with guidance on this during the on-boarding process.
- c. Achieve at NOVA a cumulative grade point average (GPA) of 3.0 in order to be guaranteed admission to the BIT-Cyber program. Students may be considered for competitive admission with a cumulative GPA of at least a 2.5. Virginia Tech will recognize NOVA's cumulative GPA as recorded on the NOVA transcript and will not recalculate based on multiple course attempts.
- d. Non-native speakers of English are required to meet the Virginia Tech TOEFL requirement or present grades of C or higher in ENG 111 and ENG 112 or 125 taken at NOVA or another Virginia Community College System (VCCS) institution, (or equivalent credit pursued outside the VCCS for Virginia Tech's English 1105 and 1106).
- e. Submit the enrollment deposit to Virginia Tech by June 1 for Fall enrollment or December 1 for Spring enrollment.
- f. Following the submission of the enrollment deposit, provide all official documents including transcripts and exam score reports to the Virginia Tech Office of Undergraduate Admissions as instructed and by the deadlines provided.

### 3) **Conditions of Transfer: Transfer of Credit**

- a. Up to 63 transferable credits from NOVA can be applied to the BIT-Cyber degree. In accordance with Virginia Tech transfer policy, a minimum of 25% of bachelor's degree coursework must be completed at Virginia Tech.

- b. Virginia Tech guarantees the transfer of credits required for the AS-Information Technology or AS-Business Administration degree and applicable to the BIT-Cyber degree if the respective curriculum maps in the Appendices are followed, contingent upon a satisfactory grade (C or higher). Students who take coursework not outlined on the curriculum maps may still transfer to the VT BIT-Cyber program; however, students may be required to complete additional courses in order to satisfy bachelor's degree requirements.
- c. Students will receive a waiver of lower-level general education coursework with the completion of their transferable associate degree. Major specific requirements, which also count towards general education, may need to be completed at Virginia Tech.
- d. Courses completed through credit for prior learning (i.e. Advanced Placement, CLEP, International Baccalaureate, etc.) or at colleges/universities other than NOVA will be independently evaluated by Virginia Tech.
- e. All other Virginia Tech admission and enrollment policies apply to transfer students who confer an associate degree.

#### 4) **Financial Aid**

- a. Students enrolling in the Virginia Tech Pamplin College of Business BIT-Cyber program through this Agreement are eligible to apply for scholarships specific to this program. The Pamplin College of Business will administer these scholarships, which will be available to part-time and full-time students. Scholarship administration includes, but is not limited, to the determination of eligibility and renewal criteria, scholarship amounts, and scholarship recipients. Students will apply online through Virginia Tech Scholarship Central. Students also must complete a Free Application for Federal Student Aid as part of the application process by the designated application deadline. Program administrators from both institutions will promote the scholarship application process. Scholarship availability depends on funding levels and may vary from year to year.

#### 5) **General**

- a. Term and Termination. This Agreement shall continue for two years with the option to renew for an additional three-year period, after which time the Parties may negotiate a new agreement. Either Party may terminate this Agreement without cause at any time upon

providing written notice to the other Party no later than three (3) months prior to the date of termination.

- b. **Applicable Law; Venue.** This Agreement shall be construed, governed, and interpreted by and in accordance with the laws of the Commonwealth of Virginia.
- c. **Entire Agreement.** This Agreement constitutes the entire understanding of the Parties with respect to the subject matter herein and supersedes all prior oral and written agreements. This Agreement can be modified or amended only by a writing signed by all of the Parties.
- d. **Publicity.** Except as specifically provided for herein, neither Party shall use, in its external advertising, marketing programs, or promotional efforts, any data, name, insignia, trademarks, pictures or other representation of the other Party or its employees except on the specific written authorization in advance by the Party. All requests for authorization must be received in writing by no later than ten (10) days in advance of the use date.
- e. **Independent Contractors.** The relationship of the Parties to each other is solely that of independent contractors. No Party shall be considered an employee, agent, partner or fiduciary of the other except for such purposes as may be specifically enumerated herein, nor shall anything contained in this Agreement be construed to create any partnership or joint venture between the Parties. Virginia Tech does not sponsor, endorse, or make any express or implied warranties for NOVA.
- f. **Nondiscrimination.** Both Parties agree not to discriminate on any basis prohibited under state or federal law or Virginia Tech policy.
- g. **Authorized Signatures.** The signatory for each Party certifies that they are an authorized agent to sign on behalf such Party.
- h. **Conflicts of Interest.** No Virginia Tech employee may receive compensation from NOVA unless authorized by Virginia Tech in writing. Furthermore, any compensation related to enrollment incentives is strictly prohibited under Title IV regulations.
- i. **Sovereign Immunity.** Nothing in this Agreement shall be deemed a waiver of the sovereign immunity of the Commonwealth of Virginia.

j. Notice. Any notice required by this Agreement shall be in writing and shall be deemed given when sent, postage prepaid, through the United States Postal Service by certified mail, return receipt, or when sent by internationally recognized overnight delivery service, or personally served upon the appropriate Party.

To: Dr. Cyril Clarke  
Office of the Executive Vice President and Provost  
210 Burruss Hall (0132)  
Virginia Tech  
Blacksburg, VA 24061

To: Dr. Eun-Woo Chang  
Vice President of Academic Affairs and  
Chief Academic Officer  
Northern Virginia Community College  
4001 Wakefield Chapel Road  
Annandale, VA 22003

SIGNED:



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Dr. Cyril Clarke  
Executive Vice President and Provost  
Virginia Tech

July 11, 2021 Date



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Dr. Anne M. Kress  
President  
Northern Virginia Community College

7/28/2021 Date

**NOVA Information Technology, A.S. to  
VT Business Information Technology, B.S.**

**Catalog Year: 2020-2021**

**Concentrations: Cybersecurity Management and Analytics**

NOVA Degree Requirement	Credits	NOVA Course	Transfer to VT as:	VT Degree Requirement
1	3	ENG 111 College Composition I	ENGL 1105	Discourse (1f)
2	3	HIS 121 United States History I <b>OR</b> HIS 122 United States History II	HIST 1115 HIST 1116	Critical Thinking/Humanities (2) & Identity/Equity (7)
3	3	ITE 115 Introduction to Computer Applications and Concepts	CS 1XXX	Free Elective
4	3	MTH 161 PreCalculus I*	No Credit	None
5	1	SDV 100 College Success Skills <b>OR</b> SDV 101 Orientation to Information Technology	No credit	None
6	3	ECO 201 Principles of Macroeconomics	ECON 2006	Soc/Behav (3)
7	3	ENG 112 College Composition II	ENGL 1106	Discourse (1f)
8	3	MTH 261 Applied Calculus I**	MATH 1025	Elective (unless both MTH 261 + 262 are completed. See note below)
9	3	BUS 100 Introduction to Business	MGT 1104	Major
10	3	ACC 211 Principles of Accounting I	ACIS 2115	Major
11	3	MTH 262 Applied Calculus II**	MATH 1026	Elective (unless both MTH 261 + 262 are completed. See note below)
12	3	CST 100 Principles of Public Speaking	COMM 2004	Discourse (1a)
13	4	ITP 120 Java Programming I <b>OR</b> ITP 150 Python Programming	CS 1054 CS 1064	Major
14	3	CST 151 Film Appreciation I <b>OR</b> ENG 236 Introduction to the Short Story <b>OR</b> ENG 237 Introduction to Poetry <b>OR</b> ENG 251 Survey of World Literature I <b>OR</b> ENG 252 Survey of World Literature II <b>OR</b> ENG 253 Survey of African-American Literature I <b>OR</b> ENG 256 Literature of Science Fiction <b>OR</b> PHI 101 Introduction to Philosophy I	CINE 2054 ENGL 1614 ENGL 1604 ENGL 1644 ENGL 1644 ENGL 2644 ENGL 1654 PHIL 1204	Critical Thinking/Humanities (2)

15	Science Course #1	4	BIO 101 General Biology I <b>OR</b> CHM 101 Introductory Chemistry I <b>OR</b> ENV 121 General Environmental Science I <b>OR</b> GOL 105 Physical Geology	BIOL 1105/1115 CHEM 1015/1025 ENSC 1015/ENSC 1XXX GEOS 1004/1104	Reasoning/Natural Sci (4)
16	Technical Elective #4	4	BUS 224 Statistical Analysis for Business	BIT 2405	Quant/Comp Thinking (5f) & Major
17	Technical Elective #5	3	ACC 212 Principles of Accounting II <b>OR</b> ITD 256 Advanced Database Management	ACIS 2116 BIT 3524	Major
18	Humanities/Fine Arts #2	3	CST 130 Introduction to the Theatre <b>OR</b> MUS 121 Music Appreciation I	TA 2014 MUS 1104	Critique/Arts (6A)
19	Science Course #2	4	BIO 101 General Biology I <b>OR</b> BIO 102 General Biology II <b>OR</b> CHM 101 Introductory Chemistry I <b>OR</b> ENV 121 General Environmental Science I <b>OR</b> ENV 122 General Environmental Science II <b>OR</b> GOL 105 Physical Geology <b>OR</b> GOL 106 Historical Geology	BIOL 1105/1115 BIOL 1106/1116 CHEM 1015/1025 ENSC 1015/ENSC 1XXX ENSC 1016//ENSC 1XXX GEOS 1004/1104 GEOS 1014	Reasoning/Natural Sci (4)
20	Social/Behavioral Sciences #2	3	ECO 202 Principles of Microeconomics	ECON 2005	Soc/Behav (3)
<b>IT, A.S. DEGREE TOTAL</b>		<b>62</b>			

**Notes**

\*Can receive MATH 1014 credit (Elective) if a VT Trig Module is completed.

\*\*Pamplin College of Business requires MATH 1524 for the major requirements and Quant/Comp Thinking (5f) but students have to transfer in both MTH 261 + 262 to receive credit for MATH 1524.

VT requires successful completion of at least two years of a single foreign language in high school. If not, must complete 6 college-level credits of a single foreign lang. (those 6 credits would not count towards minimum 125 required for degree)

Students with an A.S. degree can have Pathways 2, 4, 6A, 6D, and 7 waived if they do not have transfer credits that satisfy those pathway requirements.

While students following the NOVA IT, AS pathway will complete 62 credits, Virginia Tech will transfer 58 of those credits.

**NOVA Business Administration, A.S. to  
VT Business, B.S.**

**Catalog Year: 2020-2021**

**Majors:** Cybersecurity Management and Analytics

NOVA Degree Requirement	Credits	NOVA Course	Transfer to VT as:	VT Degree Requirement
1	CST Course	3 CST 100 Principles of Public Speaking	COMM 2004	Discourse (1a)
2	ENG 111	3 ENG 111 College Composition I	ENGL 1105	Discourse (1f)
3	HIS Course	3 HIS 121 United States History I <b>OR</b> HIS 122 United States History II	HIST 1115 HIST 1116	Critical Thinking/Humanities (2) & Identity/Equity (7)
4	ITE 115 or 119	3 ITE 115 Introduction to Computer Applications and Concepts	CS 1XXX	Free Elective
5	MTH 161 or Higher	3 MTH 161 PreCalculus I*	No credit	None
6	SDV 100	1 SDV 100 College Success Skills <b>OR</b> SDV 101 Orientation to Business	No credit	None
7	BUS 100	3 BUS 100 Introduction to Business	MGT 1104	Major
8	ENG 112	3 ENG 112 College Composition II	ENGL 1106	Discourse (1f)
9	MTH 261 or Higher	3 MTH 261 Applied Calculus I**	MATH 1025	Elective (unless both MTH 261 + 262 are completed. See note below)
10	Humanities/Fine Arts #1	3 CST 151 Film Appreciation I <b>OR</b> ENG 236 Introduction to the Short Story <b>OR</b> ENG 237 Introduction to Poetry <b>OR</b> ENG 251 Survey of World Literature I <b>OR</b> ENG 252 Survey of World Literature II <b>OR</b> ENG 253 Survey of African-American Literature I <b>OR</b> ENG 256 Literature of Science Fiction <b>OR</b> PHI 101 Introduction to Philosophy I	CINE 2054 ENGL 1614 ENGL 1604 ENGL 1644 ENGL 1644 ENGL 2644 ENGL 1654 PHIL 1204	Critical Thinking/Humanities (2)
11	Science Course #1	4 BIO 101 General Biology I <b>OR</b> CHM 101 Introductory Chemistry I <b>OR</b> ENV 121 General Environmental Science I <b>OR</b> GOL 105 Physical Geology	BIOL 1105/1115 CHEM 1015/1025 ENSC 1015//ENSC 1XXX GEOS 1004/1104	Reasoning/Natural Sci (4)
12	ACC 211	3 ACC 211 Principles of Accounting I	ACIS 2115	Major
13	BUS 280 or Approved Elective	3 MTH 262 Applied Calculus II**	MATH 1026	Elective (unless both MTH 261 + 262 are completed. See note below)
14	ECO 201	3 ECO 201 Principles of Macroeconomics	ECON 2006	Reasoning/Social Sci (3)



15	Humanities/Fine Arts #2	3	CST 130 Introduction to the Theatre <b>OR</b> MUS 121 Music Appreciation I	TA 2014 MUS 1104	Critique/Arts (6A)
16	Science Course #2	4	BIO 101 General Biology I <b>OR</b> BIO 102 General Biology II <b>OR</b> CHM 101 Introductory Chemistry I <b>OR</b> ENV 121 General Environmental Science I <b>OR</b> ENV 122 General Environmental Science II <b>OR</b> GOL 105 Physical Geology <b>OR</b> GOL 106 Historical Geology	BIOL 1105/1115 BIOL 1106/1116 CHEM 1015/1025 ENSC 1015/ENSC 1XXX ENSC 1016/ENSC 1XXX GEOS 1004/1104 GEOS 1014	Reasoning/Natural Sci (4)
17	ACC 212	3	ACC 212 Principles of Accounting II	ACIS 2116	Major
18	ECO 202	3	ECO 202 Principles of Microeconomics	ECON 2005	Reasoning/Social Sci (3)
19	BUS 224 or 221	4	BUS 224 Statistical Analysis for Business	BIT 2405	Quant/Comp Thinking (5f) & Major
20	BUS 270 or Approved Elective	3	PSY 200 Principles of Psychology <b>OR</b> SOC 200 Principles of Psychology	PSYC 1004 SOC 1004	Major
<b>BUSINESS, A.S. DEGREE TOTAL</b>		<b>61</b>			

**Notes**

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Students with an A.S. degree can have Pathways 2, 4, 6A, 6D, and 7 waived if they do not have transfer credits that satisfy those pathway requirements.

While students following the NOVA Business Administration, AS pathway will complete 61 credits, Virginia Tech will transfer 57 of those credits.

**NOVA Information Technology, A.S. to  
VT Business Information Technology, B.S.**

**Catalog Year: 2021-2022**

**Concentrations:** Cybersecurity Management and Analytics

NOVA Degree Requirement	Credits	NOVA Course	Transfer to VT as:	VT Degree Requirement
1	3	ENG 111 College Composition I	ENGL 1105	Discourse (1f)
2	3	HIS 121 United States History I <b>OR</b> HIS 122 United States History II	HIST 1115 HIST 1116	Critical Thinking/Humanities (2) & Identity/Equity (7)
3	3	ITE 115 Introduction to Computer Applications and Concepts	CS 1XXX	Free Elective
4	3	MTH 161 PreCalculus I*	No Credit	None
5	1	SDV 100 College Success Skills <b>OR</b> SDV 101 Orientation to Information Technology	No credit	None
6	3	ECO 201 Principles of Macroeconomics	ECON 2006	Soc/Behav (3)
7	3	ENG 112 College Composition II	ENGL 1106	Discourse (1f)
8	3	MTH 261 Applied Calculus I**	MATH 1025	Elective (unless both MTH 261 + 262 are completed. See note below)
9	3	BUS 100 Introduction to Business	MGT 1104	Major
10	3	ACC 211 Principles of Accounting I	ACIS 2115	Major
11	3	MTH 262 Applied Calculus II**	MATH 1026	Elective (unless both MTH 261 + 262 are completed. See note below)
12	3	CST 100 Principles of Public Speaking	COMM 2004	Discourse (1a)
13	4	ITP 120 Java Programming I <b>OR</b> ITP 150 Python Programming	CS 1054 CS 1064	Major
14	3	CST 151 Film Appreciation I <b>OR</b> ENG 236 Introduction to the Short Story <b>OR</b> ENG 237 Introduction to Poetry <b>OR</b> ENG 251 Survey of World Literature I <b>OR</b> ENG 252 Survey of World Literature II <b>OR</b> ENG 253 Survey of African-American Literature I <b>OR</b> ENG 256 Literature of Science Fiction <b>OR</b> PHI 101 Introduction to Philosophy I	CINE 2054 ENGL 1614 ENGL 1604 ENGL 1644 ENGL 1644 ENGL 2644 ENGL 1654 PHIL 1204	Critical Thinking/Humanities (2)

15	Science Course #1	4	BIO 101 General Biology I <b>OR</b> CHM 101 Introductory Chemistry <b>OR</b> ENV 121 General Environmental Science I <b>OR</b> GOL 105 Physical Geology	BIOL 1105/1115 CHEM 1015/1025 ENSC 1015/ENSC 1XXX GEOS 1004/1104	Reasoning/Natural Sci (4)
16	Technical Elective #4	4	BUS 224 Statistical Analysis for Business	BIT 2405	Quant/Comp Thinking (5f) & Major
17	Technical Elective #5	3	ACC 212 Principles of Accounting II <b>OR</b> ITD 256 Advanced Database Management	ACIS 2116 BIT 3524	Major
18	Humanities/Fine Arts #2	3	CST 130 Introduction to the Theatre <b>OR</b> MUS 121 Music in Society	TA 2014 MUS 1114	Critique/Arts (6A)
19	Science Course #2	4	BIO 101 General Biology I <b>OR</b> BIO 102 General Biology II <b>OR</b> CHM 101 Introductory Chemistry <b>OR</b> ENV 121 General Environmental Science I <b>OR</b> ENV 122 General Environmental Science II <b>OR</b> GOL 105 Physical Geology <b>OR</b> GOL 106 Historical Geology	BIOL 1105/1115 BIOL 1106/1116 CHEM 1015/1025 ENSC 1015/ENSC 1XXX ENSC 1016//ENSC 1XXX GEOS 1004/1104 GEOS 1014	Reasoning/Natural Sci (4)
20	Social/Behavioral Sciences #2	3	ECO 202 Principles of Microeconomics	ECON 2005	Soc/Behav (3)
<b>IT, A.S. DEGREE TOTAL</b>		<b>62</b>			

#### Notes

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VT requires successful completion of at least two years of a single foreign language in high school. If not, must complete 6 college-level credits of a single foreign lang. (those 6 credits would not count towards minimum 125 required for degree)

Students with an A.S. degree can have Pathways 2, 4, 6A, 6D, and 7 waived if they do not have transfer credits that satisfy those pathway requirements.

While students following the NOVA IT, AS pathway will complete 62 credits, Virginia Tech will transfer 58 of those credits.

**NOVA Business Administration, A.S. to  
VT Business, B.S.**

**Catalog Year: 2021-2022**

**Majors:** Cybersecurity Management and Analytics

NOVA Degree Requirement	Credits	NOVA Course	Transfer to VT as:	VT Degree Requirement	
1	CST Course	3	CST 100 Principles of Public Speaking	COMM 2004	Discourse (1a)
2	ENG 111	3	ENG 111 College Composition I	ENGL 1105	Discourse (1f)
3	HIS Course	3	HIS 121 United States History I <b>OR</b> HIS 122 United States History II	HIST 1115 HIST 1116	Critical Thinking/Humanities (2) & Identity/Equity (7)
4	ITE 115 or 119	3	ITE 115 Introduction to Computer Applications and Concepts	CS 1XXX	Free Elective
5	MTH 161 or Higher	3	MTH 161 PreCalculus I*	No credit	None
6	SDV 100	1	SDV 100 College Success Skills <b>OR</b> SDV 101 Orientation to Business	No credit	None
7	BUS 100	3	BUS 100 Introduction to Business	MGT 1104	Major
8	ENG 112	3	ENG 112 College Composition II	ENGL 1106	Discourse (1f)
9	MTH 261 or Higher	3	MTH 261 Applied Calculus I**	MATH 1025	Elective (unless both MTH 261 + 262 are completed. See note below)
10	Humanities/Fine Arts #1	3	CST 151 Film Appreciation I <b>OR</b> ENG 236 Introduction to the Short Story <b>OR</b> ENG 237 Introduction to Poetry <b>OR</b> ENG 251 Survey of World Literature I <b>OR</b> ENG 252 Survey of World Literature II <b>OR</b> ENG 253 Survey of African-American Literature I <b>OR</b> ENG 256 Literature of Science Fiction <b>OR</b> PHI 101 Introduction to Philosophy I	CINE 2054 ENGL 1614 ENGL 1604 ENGL 1644 ENGL 1644 ENGL 2644 ENGL 1654 PHIL 1204	Critical Thinking/Humanities (2)
11	Science Course #1	4	BIO 101 General Biology I <b>OR</b> CHM 101 Introductory Chemistry <b>OR</b> ENV 121 General Environmental Science I <b>OR</b> GOL 105 Physical Geology	BIOL 1105/1115 CHEM 1015/1025 ENSC 1015//ENSC 1XXX GEOS 1004/1104	Reasoning/Natural Sci (4)
12	ACC 211	3	ACC 211 Principles of Accounting I	ACIS 2115	Major
13	BUS 280 or Approved Elective	3	MTH 262 Applied Calculus II**	MATH 1026	Elective (unless both MTH 261 + 262 are completed. See note below)
14	ECO 201	3	ECO 201 Principles of Macroeconomics	ECON 2006	Reasoning/Social Sci (3)

15	Humanities/Fine Arts #2	3	CST 130 Introduction to the Theatre <b>OR</b> MUS 121 Music in Society	TA 2014 MUS 1114	Critique/Arts (6A)
16	Science Course #2	4	BIO 101 General Biology I <b>OR</b> BIO 102 General Biology II <b>OR</b> CHM 101 Introductory Chemistry <b>OR</b> ENV 121 General Environmental Science I <b>OR</b> ENV 122 General Environmental Science II <b>OR</b> GOL 105 Physical Geology <b>OR</b> GOL 106 Historical Geology	BIOL 1105/1115 BIOL 1106/1116 CHEM 1015/1025 ENSC 1015/ENSC 1XXX ENSC 1016/ENSC 1XXX GEOS 1004/1104 GEOS 1014	Reasoning/Natural Sci (4)
17	ACC 212	3	ACC 212 Principles of Accounting II	ACIS 2116	Major
18	ECO 202	3	ECO 202 Principles of Microeconomics	ECON 2005	Reasoning/Social Sci (3)
19	BUS 224 or 221	4	BUS 224 Statistical Analysis for Business	BIT 2405	Quant/Comp Thinking (5f) & Major
20	BUS 270 or Approved Elective	3	PSY 200 Principles of Psychology <b>OR</b> SOC 200 Principles of Psychology	PSYC 1004 SOC 1004	Major
<b>BUSINESS, A.S. DEGREE TOTAL</b>		<b>61</b>			

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**NOVA Information Technology, A.S. to  
VT Business Information Technology, B.S.**

**Catalog Year: 2022-2023**

**Concentrations:** Cybersecurity Management and Analytics

NOVA Degree Requirement	Credits	NOVA Course	Transfer to VT as:	VT Degree Requirement	
1	ENG 111	3	ENG 111 College Composition I	ENGL 1105	Discourse (1f)
2	HIS Elective	3	HIS 121 United States History I <b>OR</b> HIS 122 United States History II	HIST 1115 HIST 1116	Critical Thinking/Humanities (2) & Identity/Equity (7)
3	ITE 152	3	ITE 152 Introduction to Digital and Informational Literacy and Computer Applications	<b>VT1XXP</b>	<b>Free Elective</b>
4	MTH 161 or Higher	3	MTH 161 PreCalculus I*	No Credit	None
5	SDV Course	1	SDV 100 College Success Skills <b>OR</b> SDV 101 Orientation to Information Technology	No credit	None
6	Social/Behavioral Sciences #1	3	ECO 201 Principles of Macroeconomics	ECON 2006	Soc/Behav (3)
7	ENG 112	3	ENG 112 College Composition II	ENGL 1106	Discourse (1f)
8	MTH 261	3	MTH 261 Applied Calculus I**	MATH 1025	Elective (unless both MTH 261 + 262 are completed. See note below)
9	Technical Elective #1	3	BUS 100 Introduction to Business	MGT 1104	Major
10	Technical Elective #2	3	ACC 211 Principles of Accounting I	ACIS 2115	Major
11	Technical Elective #3	3	MTH 262 Applied Calculus II**	MATH 1026	Elective (unless both MTH 261 + 262 are completed. See note below)
12	CST Elective	3	CST 100 Principles of Public Speaking	COMM 2004	Discourse (1a)

13	Programming Elective	4	ITP 120 Java Programming I <b>OR</b> ITP 150 Python Programming	CS 1054 CS 1064	Major
14	Humanities/Fine Arts #1	3	ENG 236 Introduction to the Short Story <b>OR</b> ENG 237 Introduction to Poetry <b>OR</b> ENG 255 World Literature <b>OR</b> ENG 256 Literature of Science Fiction <b>OR</b> ENG 258 African American Literature I <b>OR</b> PHI 101 Introduction to Philosophy I	ENGL 1614 ENGL 1604 ENGL 1644 ENGL 1654 ENGL 2644 PHIL 1204	Critical Thinking/Humanities (2)
15	Physical or Life Science Elective W/ Lab	4	BIO 101 General Biology I <b>OR</b> CHM 101 Introductory Chemistry <b>OR</b> ENV 121 General Environmental Science I <b>OR</b> GOL 105 Physical Geology	BIOL 1105/1115 CHEM 1015/1025 ENSC 1015/ENSC 1XXX GEOS 1004/1104	Reasoning/Natural Sci (4)
16	Technical Elective #4	4	BUS 224 Statistical Analysis for Business	BIT 2405	Quant/Comp Thinking (5f) & Major
17	Technical Elective #5	3	ACC 212 Principles of Accounting II <b>OR</b> ITD 256 Advanced Database Management	ACIS 2116 BIT 3524	Major
18	Humanities/Fine Arts #2	3	CST 130 Introduction to the Theatre <b>OR</b> MUS 121 Music in Society	TA 2014 MUS 1114	Critique/Arts (6A)
19	Physical or Life Science Elective W/ Lab	4	BIO 101 General Biology I <b>OR</b> BIO 102 General Biology II <b>OR</b> CHM 101 Introductory Chemistry <b>OR</b> ENV 121 General Environmental Science I <b>OR</b> ENV 122 General Environmental Science II <b>OR</b> GOL 105 Physical Geology <b>OR</b> GOL 106 Historical Geology	BIOL 1105/1115 BIOL 1106/1116 CHEM 1015/1025 ENSC 1015/ENSC 1XXX ENSC 1016//ENSC 1XXX GEOS 1004/1104 GEOS 1014	Reasoning/Natural Sci (4)
20	Social/Behavioral Sciences #2	3	ECO 202 Principles of Microeconomics	ECON 2005	Soc/Behav (3)
<b>IT, A.S. DEGREE TOTAL</b>		<b>62</b>			

### Notes

\*Can receive MATH 1014 credit (Elective) if a VT Trig Module is completed.

\*\*Pamplin College of Business requires MATH 1524 for the major requirements and Quant/Comp Thinking (5f) but students have to transfer in both MTH 261 + 262 to receive credit for MATH 1524.

VT requires successful completion of at least two years of a single foreign language in high school. If not, must complete 6 college-level credits of a single foreign lang. (those 6 credits would not count towards minimum 125 required for degree)

Students with an A.S. degree can have Pathways 2, 4, 6A, 6D, and 7 waived if they do not have transfer credits that satisfy those pathway requirements.

While students following the NOVA IT, AS pathway will complete 62 credits, Virginia Tech will transfer 58 of those credits.

**NOVA Business Administration, A.S. to  
VT Business, B.S.**

**Catalog Year: 2022-2023**

**Majors:** Cybersecurity Management and Analytics

NOVA Degree Requirement	Credits	NOVA Course	Transfer to VT as:	VT Degree Requirement
1 CST Elective	3	CST 100 Principles of Public Speaking	COMM 2004	Discourse (1a)
2 ENG 111	3	ENG 111 College Composition I	ENGL 1105	Discourse (1f)
3 HIS Elective	3	HIS 121 United States History I <b>OR</b> HIS 122 United States History II	HIST 1115 HIST 1116	Critical Thinking/Humanities (2) & Identity/Equity (7)
4 ITE 152	3	ITE 152 Introduction to Digital and Informational Literacy and Computer Applications	<b>VT1XXP</b>	<b>Free Elective</b>
5 MTH 161 or Higher	3	MTH 161 PreCalculus I*	No credit	None
6 SDV Course	1	SDV 100 College Success Skills <b>OR</b> SDV 101 Orientation to Business	No credit	None
7 BUS 100	3	BUS 100 Introduction to Business	MGT 1104	Major
8 ENG 112	3	ENG 112 College Composition II	ENGL 1106	Discourse (1f)



9	MTH 261 or Higher	3	MTH 261 Applied Calculus I**	MATH 1025	Elective (unless both MTH 261 + 262 are completed. See note below)
10	Humanities/Fine Arts #1	3	ENG 236 Introduction to the Short Story <b>OR</b> ENG 237 Introduction to Poetry <b>OR</b> ENG 255 World Literature <b>OR</b> ENG 256 Literature of Science Fiction <b>OR</b> ENG 258 African American Literature I <b>OR</b> PHI 101 Introduction to Philosophy I	ENGL 1614 ENGL 1604 ENGL 1644 ENGL 1654 ENGL 2644 PHIL 1204	Critical Thinking/Humanities (2)
11	Physical or Life Science Elective W/ Lab	4	BIO 101 General Biology I <b>OR</b> CHM 101 Introductory Chemistry <b>OR</b> ENV 121 General Environmental Science I <b>OR</b> GOL 105 Physical Geology	BIOL 1105/1115 CHEM 1015/1025 ENSC 1015//ENSC 1XXX GEOS 1004/1104	Reasoning/Natural Sci (4)
12	ACC 211	3	ACC 211 Principles of Accounting I	ACIS 2115	Major
13	BUS 280 or Approved Elective	3	MTH 262 Applied Calculus II**	MATH 1026	Elective (unless both MTH 261 + 262 are completed. See note below)
14	ECO 201	3	ECO 201 Principles of Macroeconomics	ECON 2006	Reasoning/Social Sci (3)
15	Humanities/Fine Arts #2	3	CST 130 Introduction to the Theatre <b>OR</b> MUS 121 Music in Society	TA 2014 MUS 1114	Critique/Arts (6A)
16	Physical or Life Science Elective W/ Lab	4	BIO 101 General Biology I <b>OR</b> BIO 102 General Biology II <b>OR</b> CHM 101 Introductory Chemistry <b>OR</b> ENV 121 General Environmental Science I <b>OR</b> ENV 122 General Environmental Science II <b>OR</b> GOL 105 Physical Geology <b>OR</b> GOL 106 Historical Geology	BIOL 1105/1115 BIOL 1106/1116 CHEM 1015/1025 ENSC 1015/ENSC 1XXX ENSC 1016/ENSC 1XXX GEOS 1004/1104 GEOS 1014	Reasoning/Natural Sci (4)
17	ACC 212	3	ACC 212 Principles of Accounting II	ACIS 2116	Major
18	ECO 202	3	ECO 202 Principles of Microeconomics	ECON 2005	Reasoning/Social Sci (3)
19	BUS 224	4	BUS 224 Statistical Analysis for Business	BIT 2405	Quant/Comp Thinking (5f) & Major

20	BUS 270 or Approved Elective	3	PSY 200 Principles of Psychology <b>OR</b> SOC 200 Introduction to Sociology	PSYC 1004 SOC 1004	Major
<b>BUSINESS, A.S. DEGREE TOTAL</b>		<b>61</b>			

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