

**Northern Virginia Community College/Old Dominion University**  
**2019-2020 Catalog**  
**ARTICULATION AGREEMENT**  
**Associate of Applied Science in Cybersecurity with General Education Courses**  
**to Bachelor of Science in IDS-Cyber Security**

Northern Virginia Community College Associate of Applied Science				Old Dominion University Equivalency				
ENG	111	College Composition I*	3	ENGL	110C	English Composition I	3	
ITE 115	or 119	Intro to Computer Applications and Concepts or Information Literacy	3	CS 1ELE	or IT 150G	Elective or Info Technology	3	
CST	110	Intro to Communication	3	COMM	101R	Public Speaking	3	
ITN	101	Intro to Network Concepts or Intro to Telecommunications	3	GNRL	or CS 1ELE	Elective	3	
ITP	100	Software Design	3	CS	1ELE	Elective	3	
SDV 100	or 101	College Success Skills or Orientation to Discipline	1	UNIV	100	University Orientation	1	
Humanities Elective		Choose one course from ODU's Transfer Guide ( <a href="http://www.odu.edu/transfer/vccs-transfer-guide.html">http://www.odu.edu/transfer/vccs-transfer-guide.html</a> ) in any of the following categories: Philosophy and Ethics, Human Creativity, or Literature	3	Liberal Arts Courses: Literature, Philosophy and Ethics, Human Creativity, or Language and Culture			3	
MTH	161	Precalculus I (Instead of MTH 154)*	3	MATH	162M	Precalculus I	3	
ITN	106	Microcomputer Operating Systems	3	GNRL	1ELE	Elective	3	
ITN	107	Pers. Comp. Hardware and Troubleshooting or PC Hardware and OS Architecture	3	GNRL	1ELE or CS 2ELE	Elective	3	
Social Science Elective		Choose one course from ODU's Transfer Guide ( <a href="http://www.odu.edu/transfer/vccs-transfer-guide.html">http://www.odu.edu/transfer/vccs-transfer-guide.html</a> ) in the category of Human Behavior	3	HB	1REQ	Human Behavior Way of Knowing	3	
ITN	200	Administration of Network Resources	3	GNRL	1ELE	Elective	3	
ITP	ELE	Approved Programming Elective	4	---	ELE	Elective	4	
ITN	171	UNIX I*	3	CS	252	Intro to Unix for Programmers**	3	
ITN	260	Network Security Basics*	3	GNRL	2ELE	Elective**	3	
ITN	266	Network Security Layers*	3	GNRL	2ELE	Elective	3	
ITN	276	Computer Forensics I	3	GNRL	2ELE	Elective	3	
ITN	261	Network Attacks, Computer Crime and Hacking	4	GNRL	2ELE	Elective	4	
ITN	262	and 263	Network Communication, Security and Authentication* and Internet/Intranet Firewalls and E-Commerce Security*	8	GNRL	2ELE	Elective	8
IT	ELE	IT Security Elective	3	GNRL	1ELE	Elective	3	
<b>Total Credits for AAS Degree</b>			<b>65</b>	<b>Transfer Credits from AAS Degree</b>			<b>65</b>	
<b>Additional Required Courses for BS Degree</b>				<b>ODU Equivalency</b>				
ENG	112	College Composition II*	3	ENGL	211C	English Composition II	3	
Humanities, Social Science or Fine Arts Elective		Choose two courses from ODU's Transfer Guide ( <a href="http://www.odu.edu/transfer/vccs-transfer-guide.html">http://www.odu.edu/transfer/vccs-transfer-guide.html</a> ) in any of the following categories: Literature, Interpreting the Past, Philosophy and Ethics, Human Creativity, or Language and Culture	6	Liberal Arts Courses: Literature, Interpreting the Past, Philosophy and Ethics, Human Creativity, or Language and Culture			6	
Sciences with Labs		Choose two Science courses w/Lab from ODU's Transfer Guide ( <a href="http://www.odu.edu/transfer/vccs-transfer-guide.html">http://www.odu.edu/transfer/vccs-transfer-guide.html</a> )*	8	NS 1 & 2	REQ	Nature of Science Way of Knowing I and II	8	
<b>Additional Credits Required</b>			<b>17</b>				<b>17</b>	

**Note: The lower division general education requirements will be met by completion of all courses outlined in this program agreement. CYSE 200T, CYSE 300, 3 credits of Cyber Principles, 3 credits of Cyber Applications, and program electives are met by the completion of the AAS courses listed on this agreement.**


**\*C or better required on courses listed with an asterisk.**

**\*\* ITN 260 and ITN 171 are used to fulfill CYSE 250 requirement.**

**To participate in this articulation agreement please visit Old Dominion University's website to complete the Letter of Intent: <http://www.odu.edu/transfer/vccs>**

**Completion of this articulation agreement alone does not guarantee admission to Old Dominion University. All students must meet the requirements set by the Office of Admissions and the Guaranteed Admissions Agreement (GAA). Please visit [admissions.odu.edu](http://admissions.odu.edu) for more information regarding guaranteed admission to Old Dominion University.**

<b>Requirements for BS to be Completed at ODU</b>			
<i>Departmental Requirements</i>			
IT	201	Intro to Info Systems (pre-requisite for IT 315)	3
CYSE 368 & IDS 493		Capstone	6
IDS	300W	IDS Theory and Concepts (grade of C or higher required)	3
<i>Core Requirements</i>			
CYSE 200T, CYSE 250 & CYSE 300		These 9 credits are fulfilled with the successful completion of the AAS degree and all other courses listed on this agreement	0
CYSE	301	Cybersecurity Techniques and Operations	3
CYSE	406	Cyber Law	3
CYSE	425W	Cybersecurity Strategy and Policy	3
CS	462	Cybersecurity Fundamentals	3
<i>9 credits in Cyber Principles</i>			
6 credits: IT 315 and PHIL 355E Required (3 credits fulfilled with the successful completion of AAS degree and all other courses listed on this agreement)			6
<i>9 credits in Cyber Applications</i>			
6 credits: See Catalog for options (Additional pre-requisites may be needed depending on courses chosen) (3 credits fulfilled with the successful completion of AAS degree and all other courses listed on this agreement)			6
<b>Credits to be Taken at ODU</b>			<b>36</b>
<b>SUMMARY</b>			
<b>Transfer Credits from AAS Degree</b>			<b>65</b>
<b>Additional Credits Required</b>			<b>17</b>
<b>Credits to be Taken at ODU</b>			<b>36</b>
<b>Total Credits</b>			<b>118</b>
<b>(120 credits required for graduation)</b>			

  
 Signature \_\_\_\_\_ Date 1/30/20  
 Sharon Robertson  
 Associate Vice President for Academic Affairs  
 Northern Virginia Community College

  
 Signature \_\_\_\_\_ Date 1/31/20  
 Brian Payne  
 Vice Provost, Academic Affairs  
 Old Dominion University