ADVANCE
A NOVA | MASON PARTNERSHIP

A.A.S. Cybersecurity/B.A.S. Applied Science – Cybersecurity Concentration

2019-20

A.A.S. Cybersecurity Pathway	2019-2020

ADVANCE Program Milestones

1. Students must take SDV 100 or SDV 101 in the first semester at NOVA.
2. Students must begin Developmental coursework in the first semester in ADVANCE at NOVA.
3. Students must take first college-level MTH course and ENG 111 in the semester immediately following the completion of any MTE or ENF courses (excluding summer).
4. In the first 30 credits, students must:
    a. Complete ENG 111 with a C or better.
    b. Complete the first college-level MTH course with a C or better.
5. Students must complete at least six degree-applicable credits with a C or better each fall and spring semester.
6. Students must maintain a 2.5 cumulative GPA.
7. Students must apply for NOVA graduation and complete their Associate's degree.

If English is not your first language or you have completed ESL coursework, you must complete ENG 111 and ENG 112 or submit passing TOEFL scores prior to matriculating to George Mason University to meet the English Language Proficiency requirement.

BAS degrees are designed for adult learners who have some work experience in their field of choice. Further, BAS degrees are considered terminal degrees, which means they may not lead to advanced study in master's degree or doctoral programs

	NOVA DEGREE REQUIREMENT SEQUENCE	Credits	Courses	MASON TRANSFER EQUIVALENT	MASON CORE/DEGREE EQUIVALENT
1	SDV Course	1	SDV 100 College Success Skills **OR** SDV 101 Orientation to XXX	UNIV 100	ELECTIVE
2	ENG 111	3	ENG 111 College Composition I	ENGH 101	Written Comm
3	MTH 154	3	MTH 154 Quantitative Reasoning	MATH 106	QUANT
4	ITN 101 or 100	3	ITN 100 Intro to Telecommunications	See #9	ELECTIVE
5	ITP 100	3	ITP 100 Software Design	IT XXX	DEGREE
6	Humanities/Fine Arts	3	ART 101 History and Appreciation of Art I **OR** ART 102 History and Appreciation of Art II **OR** CST 130 Introduction to Theatre **OR** CST 151 Film Appreciation **OR** MUS 121 Music Appreciation I	ARTH 200 ARTH 201 THR 101 ENGH L372 MUSI 101	Arts
7	ITE 119	3	ITE 119 Information Literacy	IT 104	Info Tech
8	ITN 106	3	ITN 106 Microcomputer Operating Systems	BAS XXX	DEGREE
9	ITN 107 or 221	3	ITE 221 PC Hardware and OS Architecture	IT 105 & IT XXX	DEGREE
10	ITN 260	3	ITN 260 Network Security Basics	See #19	ELECTIVE
11	Social/Behavioral Sciences	3	HIS 101 History of Western Civilization I **OR** HIS 102 History of Western Civilization II **OR** HIS 112 History of World Civilization II	HIST 101 HIST 102 HIST 125	Western Civ
12	ITN 200	3	ITN 200 Administration of Network Resources	BAS XXX	DEGREE
13	CST Course	3	CST 100 Principles of Public Speaking **OR** CST 110 Introduction to Communication	COMM 100 COMM 101	Oral Comm

14	ITP Elective	4	ITP 112 Visual Basic.net I **OR** ITP 120 Java Programming I **OR** ITP 130 C Programming I **OR** ITP 132 C++ Programming I **OR** ITP 136 C# Programming I **OR** ITP 225 Web Scripting Languages	IT XXX	DEGREE
15	ITN 171 or ITN 170	3	ITN 170 Linux System Administration **OR** ITN 171 Unix I	BAS XXX	DEGREE
16	ITN 261	4	ITN 261 Network Attacks, Computer Crime and Hacking	BAS XXX	DEGREE
17	ITN 262	4	ITN 262 Network Communication, Security and Authentication	BAS XXX	DEGREE
18	ITN 263	4	ITN 263 Internet/Intranet Firewall and E-Commerce	BAS XXX	DEGREE
19	ITN 266	3	ITN 266 Network Security Layers	IT 223 & IT XXX	DEGREE
20	ITN 276	3	ITN 276 Computer Forensics I	BAS XXX	DEGREE
21	IT Security Elective	3	ITN 267 Cyberlaw **OR** ITN 277 Computer Forensics II	BAS XXX	DEGREE
A.A.S. CYBERSECURITY DEGREE TOTAL		**65**			

	MASON DEGREE REQUIREMENT SEQUENCE	Credits	Course	MASON CORE/DEGREE EQUIVALENT
22	Concentration Requirements	3	IT 304 IT in the Global Economy	DEGREE
23	Concentration Requirements	3	IT 357 Computer Crime, Forensics, and Auditing	DEGREE
24	Core Requirements	3	BAS 300 Building Professional Competencies	DEGREE
25	Gen Ed: Literature	3	Approved Literature Course**	Literature
26	Gen Ed: Natural Science (Lab)	4	Approved Natural Science with Lab**	NAT SCIENCE
27	Concentration Requirements	3	IT 429 Security Accreditation of Info Systems	DEGREE
28	Gen Ed: Written Communication (UL)	3	ENGH 302 Advanced Composition	Written Comm
29	Technical Focus Courses	3	Technical Focus Course - Upper-level***	DEGREE
30	Technical Focus Courses	3	Technical Focus Course - Upper-level***	DEGREE
31	Gen Ed: Natural Science (Non-Lab)	3	Approved Natural Science without Lab**	NAT SCIENCE
32	Concentration Requirements	3	IT 462 Information Security Principles	DEGREE
33	Concentration Requirements	3	IT 343 Project Management	DEGREE
34	Technical Focus Courses	3	Technical Focus Course - Upper-level***	DEGREE
35	Gen Ed: Social Science	3	Approved Social Science Course**	SOC SCIENCE
36	Core Requirements	3	BAS 490 Introduction to Research Methods	DEGREE
37	Technical Focus Courses	3	Technical Focus Course - Upper-level***	DEGREE
38	Technical Focus Courses	3	Technical Focus Course - Upper-level***	DEGREE
39	Gen Ed: Global Understanding	3	Approved Global Understanding Course**	GLOBAL
40	Core Requirements/Synthesis	3	BAS 491 Applied Sciences Capstone	Synthesis
B.A.S. APPLIED SCIENCE DEGREE TOTAL		**122**		

Denotes a course that must be taken at George Mason University. Please see your Success Coach to enroll.

Denotes a course equivalency that is unique to the ADVANCE program.

**For approved Mason Core courses, please visit - https://catalog.gmu.edu/mason-core/

***For approved Technical Focus courses, please visit - https://catalog.gmu.edu/colleges-schools/interdisciplinary-programs-courses/applied-science-bas/#requirementstext

Degree Note: Students must have a C or better in any course that satisfies a prerequisite for an IT course. To graduate with the BAS with a Cyber Security concentration, students must have a C or better in their core, concentration, and technical focus courses.

General Note: If English is not your first language or you have completed ESL coursework, you must complete ENG 111 and ENG 112 prior to matriculating to George Mason University to meet the English Language Proficiency requirement.

Students seeking a bachelor's degree must apply at least 45 credits of upper-level courses (numbered 300 or above) toward graduation requirements