

ADVANCE

A NOVA | MASON PARTNERSHIP

A.A.S. Cybersecurity/ B.A.S. Applied Science -
Cyber Security Concentration

2018-19

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 and ENG 125 with a C or better.
 - b. Complete the first college-level MTH course with a C or better.
 - c. Engineering students must begin the calculus sequence and complete Calculus I and II with a B 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

Students interested in the ADVANCE Adult Learning Pathways must be at least 25 years of age or older to be eligible. Students who do not meet the age requirement may be eligible for an Admissions waiver if additional criteria are met. Details are available on program's website - <http://bas.gmu.edu/>

	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 115	3	IT 104 Introduction to Computing	IT 104	DEGREE
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 OR CST 126 Interpersonal Communication	COMM 100 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 OR ITP 270 Programming for Cybersecurity	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 OR ITN 295 Topics in Security	BAS XXX	DEGREE
A.A.S. CYBERSECURITY DEGREE TOTAL		65			

For academic policies and procedures, please see NOVA catalog - <http://www.nvcc.edu/catalog/index.html>

	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	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.

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

**The IT/MBUS electives must be selected in consultation with an advisor.

For academic policies and procedures, please see Mason catalog - <https://catalog.gmu.edu/policies/>

General Note: If English is not your first language or you have completed ESL coursework, you must complete ENG 111 and ENG 125 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