ADVANCE AGREEMENT

To maintain my enrollment in the ADVANCE/NOVA- MASON partnership, I acknowledge that I will:

- Enroll in a minimum of six credits approved for my Advance pathway each fall semester and each semester.
- Complete ENG 111, ENG 125 and the required math for my Advance pathway with grades of A, B, or C in each course within my first 30 credits of enrollment at NOVA.
- Earn grades of A, B or C in all courses.
- Maintain a minimum 2.5 cumulative grade point average each semester at NOVA.
- Maintain communication with my ADVANCE Success Coach each semester to insure that I am enrolled in the courses leading to completion of my associate's degree.
- Read and comply with the NOVA and MASON Codes of Student Conduct at: ***nvcc.edu/students/handbook/conduct.html*** and ***studentconduct.gmu.edu***
- Adhere to the Mason Honor Code: *To promote a stronger sense of mutual responsibility, respect, trust, and fairness among all members of the George Mason University Community and with the desire for greater academic and personal achievement, we, the student members of the university community, have set for this Honor Code: Student Members of the George Mason University community pledge not to cheat, plagiarize, steal, or lie in matters related to academic work.*
- Be responsible for responding to emails sent to my NOVA and MASON email accounts
- Graduate from NOVA with the applicable Associate of Arts, Associate of Science or Associate of Applied Science degree.

Administration of ADVANCE

Advance students with 63 or fewer credits are guided by the academic policies of NOVA. Advance students with 64 or more credits are guided by the academic policies of MASON.

Violations of student behavioral codes may be addressed by one or both institutions. The applicable code will be based on location of the incident(s), severity, as well as in collaboration between the conduct offices at both institutions. Additionally, a student may be charged by both institutions if a possible outcome is suspension or dismissal (expulsion).

Referrals for possible violations of Academic Integrity will be addressed according to the host institution of a particular class. This will be determined by the course listing (i.e. either NOVA or MASON) as well as the affiliation of the faculty member instructing the course.

Enrollment and Financial Aid

With the written approval of the Success Coach, ADVANCE students may co-enroll in a maximum of 9 credits at Mason during the first 63 credits of NOVA enrollment. Each lower-level course must be designated 100-299 and be approved to fulfill an associate's degree pathway requirement.

Advance students recognize that academic, registration and payment policies are different at NOVA and MASON. Additionally, the academic calendars of both institutions vary. Students are expected to comply with the deadlines, policies and procedures at the institution where they are taking courses.

For purposes of awarding financial aid, NOVA will be the home school until the student has completed 63 credits toward their associate's degree in the Advance Program at NOVA, and Mason will be the host school. Upon completion of 63 credits toward their associate's degree in the Advance Program at NOVA, Mason will become the home school, and NOVA will be the host school.

FERPA and Student Records

NOVA and MASON will share academic and financial aid information about ADVANCE students under the terms of the Family Educational Rights and Privacy Act of 1974 (FERPA). FERPA protections go into effect on the first day of classes of the student's first term of enrollment.

I agree to abide by the information provided in the ADVANCE Agreement.

Name:_____

EMPL ID:_____

Date:_____

3/1/2019

ADVANCE
A NOVA | MASON PARTNERSHIP

A.S. Engineering/B.S. Cyber Security Engineering

2019-20

A.S. Engineering Pathway				2019-2020

	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 Engineering	UNIV 100	ELECTIVE
2	ENG 111	3	ENG 111 College Composition I	ENGH 101	Written Comm
3	Social/Behavioral Sciences #1	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
4	MTH 263	4	MTH 263 Calculus I	MATH 113	Quantitative Reasoning
5	EGR 121	2	EGR 121 Foundations of Engineering	ENGR 107	DEGREE
6	CST Course	3	CST 100 Principles of Public Speaking **OR** CST 110 Introduction to Communication	COMM 100 COMM 101	Oral Comm
7	Technical Elective #1	3	CYSE 101 Intro to Cyber Security Engineering*	CYSE 101	DEGREE
8	ENG 112	3	ENG 112 College Composition II	ENGH XXX	Elective
9	MTH 264	4	MTH 264 Calculus II	MATH 114	DEGREE
10	Humanities/Fine Arts #1	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 I **OR** MUS 121 Music Appreciation I	ARTH 200 ARTH 201 THR 101 ENGH L372 MUSI 101	Arts
11	Social/Behavioral Sciences #2	3	ECO 202 Principles of Microeconomics	ECON 103	Soc/Behav
12	MTH 265	4	MTH 265 Calculus III	MATH 213	DEGREE
13	Technical Elective #2	4	CSC 201 Computer Science I	CS 112	DEGREE
14	Technical Elective #3	3	MTH 266 Linear Algebra	MATH 203	DEGREE
15	PHY 231	5	PHY 231 General University Physics I	PHYS 160-161-266	NAT SCIENCE
16	Humanities/Fine Arts #2	3	REL 100 Introduction to the Study of Religion **OR** REL 231 Religions of the World I	RELI 100 RELI 212	Global
17	Technical Elective #4	3	SYST 205 Systems Engineering Principles	SYST 205	DEGREE
18	PHY 232	5	PHY 232 General University Physics II	PHYS 260-261-XXX	NAT SCIENCE
19	Technical Elective #5	4	EGR 265 Digital Electronics and Logic Design	ECE 301	DEGREE
20	Technical Elective #6	3	CS 222 Computer Programming for Engineers	CS 222	DEGREE
21	MTH 267	3	MTH 267 Differential Equations	MATH 214	DEGREE
	A. S. ENGINEERING DEGREE TOTAL	**69**			

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	Mathematics and Statistics	3	STAT 344 Probability and Statistics for Engineers	DEGREE
23	Gen Ed: Literature	3	Approved Literature course*	Literature
24	Cyber Security Engineering Core	3	CYSE 211 Operating Systems & Lab**	DEGREE
25	Cyber Security Engineering Core	3	CYSE 220 Systems Modeling	DEGREE
26	Cyber Security Engineering Core	3	CYSE 230 Computer Networking	DEGREE
27	Cyber Security Engineering Core	3	CYSE 325 Discrete Events Systems Modeling	DEGREE
28	Gen Ed: Written Communication (UL)	3	ENGH 302 Advanced Composition (Natural Science Section)	Written Comm
29	Cyber Security Engineering Core	3	CYSE 330 Intro to Network Security	DEGREE
30	Cyber Security Engineering Core	3	CYSE 425 Secure RF Communications	DEGREE
31	Cyber Security Engineering Core	3	CYSE 411 Secure Software Engineering	DEGREE
32	Cyber Security Engineering Core	3	CYSE 421 Industrial Control Systems (ICS) Security	DEGREE
33	Cyber Security Engineering Core	3	CYSE 430 Critical Infrastructure Protection	DEGREE
34	Cyber Security Engineering Core	3	CYSE 470 User Experience Engineering	DEGREE
35	Cyber Security Engineering Core	4	CYSE 445 Systems Security and Resilience **AND** CYSE 450 Cyber Vulnerability Lab	DEGREE
36	Cyber Security Engineering Core	3	CYSE 476 Cryptography Fundamentals	DEGREE
37	Cyber Security Engineering Core - Technical Electives	3	Technical Elective***	DEGREE
38	Cyber Security Engineering Core	2	CYSE 492 Senior Advance Design Project I	DEGREE
39	Cyber Security Engineering Core	3	CYSE 475 Cyber Physical Systems	DEGREE
40	Cyber Security Engineering Core	2	CYSE 491 Engineering Senior Seminar	Writing Intensive
41	Gen Ed: Synthesis/Cyber Security Engineering Core	3	CYSE 493 Senior Advanced Design Project II	Synthesis
42	Cyber Security Engineering Core - Technical Electives	3	Technical Elective***	DEGREE
43	Cyber Security Engineering Core - Technical Electives	3	Technical Elective***	DEGREE
B.S. CYBER SECURITY ENGINEERING DEGREE TOTAL		**134**		

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/

**CYSE courses are only offered once a year, see Mason academic advisor to create an academic plan.

***For approved Technical Elective courses, please visit - https://catalog.gmu.edu/colleges-schools/engineering/cyber-security-engineering-bs/#requirementstext

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

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