

# ADVANCE

A NOVA | MASON PARTNERSHIP

A.A.S. Information Systems Technology /  
B.A.S. Technology and Innovation Concentration  
*Online Option Available*  
**2022-2023**

## A.A.S. Information Systems Technology

### ADVANCE Program Milestones

**ADVANCE Milestone Requirements:** All ADVANCE students must adhere to the following requirements. For Milestones #1-#3, failure to meet these milestones will prevent a student from matriculating to Mason and/or result in termination from ADVANCE. For Milestones #4-#7, failure to meet these milestones may delay matriculation to Mason.

1. Students must complete their NOVA degree within 4 years of being admitted into ADVANCE. Students are highly encouraged to be continuously enrolled at NOVA/Mason to support progress towards degree completion.
2. Students must maintain a minimum 2.5 cumulative GPA at NOVA and must have a minimum 2.5 GPA upon matriculation to Mason.
3. Students who wish to enroll at Mason for the fall semester must apply for NOVA spring graduation by March 1 or summer graduation by June 1. Students who wish to enroll at Mason for the spring semester must apply for NOVA fall graduation by October 1.
4. Students must begin developmental coursework no later than the first semester in ADVANCE at NOVA.
5. Students must take first college-level MTH course and ENG 111 in the semester immediately following the completion of any MDE or EDE courses (excluding summer).
6. In the first 30 credits, students must complete ENG 111 and ENG 112 with a C or better.
7. Students must complete a Mason Core Quantitative Reasoning course equivalent with a C or better no later than one semester before NOVA graduation. Refer to your pathway to select the appropriate MTH course(s).

#### ADVANCE Program-Specific Requirements:

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. Please reach out to ADVANCE Admissions early if you have any questions about this requirement: [advance@gmu.edu](mailto:advance@gmu.edu).

BAS degrees are designed for adult learners who have some work experience in their field of choice, but the degree is open to students of all ages. Further, BAS degrees are often considered terminal degrees (i.e., they may not lead to advanced study in master's degree or doctoral programs). Students who are interested in advanced study are encouraged to contact graduate programs early to determine if the BAS program fits their requirements.

	NOVA DEGREE REQUIREMENT	Credits	Courses	MASON TRANSFER EQUIVALENT	MASON CORE/DEGREE EQUIVALENT
1	SDV 101	1	SDV 101 Orientation to Information Technology	UNIV 100	General Elective
2	ENG 111	3	ENG 111 College Composition I	ENGH 101	Written Comm
3	ITD 110	3	ITD 110 Web Design I	BAS XXX	General Elective
4	ITE 152	3	ITE 152 Introduction to Digital and Information Literacy and Computer Applications	IT 104	Info Tech & Major
5	ITN 100	3	ITN 100 Intro to Telecommunications <sup>1</sup>	See #14	General Elective
6	MTH 154 or Higher	3	MTH 154 Quantitative Reasoning	MATH 106	Quantitative
7	ITE 170	3	ITE 170 Multimedia Software <sup>2</sup>	IT 213	Major
8	ITN 170	3	ITN 170 Linux System Administration	IT ---	General Elective
9	ITN 260	3	ITN 260 Network Security Basics <sup>1</sup>	See #19	General Elective
10	ITP 100	3	ITP 100 Software Design	IT XXX	General Elective
11	IT Elective #1	3	IT Electives <sup>3</sup>	BAS XXX	General Elective
12	IT Elective #2	3	IT Electives <sup>3</sup>	BAS XXX	General Elective
13	ITD 256	3	ITD 256 Advanced Database Management <sup>2</sup>	IT 214	Major
14	ITE 221	3	ITE 221 PC Hardware and OS Architecture <sup>1</sup>	IT 105 & IT XXX	Major
15	ITP Programming Elective	4	ITP 120 Java Programming I <b>OR</b> ITP 132 C++ Programming I <b>OR</b> ITP 150 Python Programming <b>OR</b> ITP 225 Web Scripting Languages	IT XXX	General Elective
16	IT Elective #3	3	IT Electives <sup>3</sup>	BAS XXX	General Elective

17	IT Elective #4	3	IT Electives <sup>3</sup>	BAS XXX	General Elective
18	CST Course	3	CST 100 Principles of Public Speaking <b>OR</b> CST 110 Introduction to Human Communication	COMM 100 COMM 101	Oral Comm
19	IT Elective #5	3	ITN 266 Network Security Layers <sup>1</sup>	IT 223 & IT XXX	Major
20	Humanities/Fine Arts	3	ART 100 Art Appreciation <b>OR</b> ART 101 History of Art: Prehistoric to Gothic <b>OR</b> ART 102 History of Art: Renaissance to Modern <b>OR</b> CST 130 Introduction to Theatre <b>OR</b> CST 151 Film Appreciation I <b>OR</b> MUS 121 Music in Society	ARTH 101 ARTH 200 ARTH 201 THR 101 ENGH L372 MUSI 101	Arts
21	Social/Behavioral Sciences #1	3	HIS 101 Western Civilizations Pre-1600 CE <b>OR</b> HIS 102 Western Civilizations Post-1600 CE <b>OR</b> HIS 112 World Civilizations Post-1500 CE	HIST 101 HIST 102 HIST 125	Western Civ
22	Social/Behavioral Sciences #2	3	ECO 201 Principles of Macroeconomics <b>OR</b> GEO 210 People and the Land: An Introduction to Cultural Geography <b>OR</b> HIS 121 United States History to 1877 <b>OR</b> PSY 200 Principles of Psychology <b>OR</b> SOC 200 Introduction to Sociology	ECON 104 GGS 103 HIST 121 PSYC 100 SOCI 101	Soc/Behav
<b>A.A.S. INFO. SYSTEMS TECH. DEGREE TOTAL</b>					
		65			

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

## B.A.S. Applied Science - Technology & Innovation Concentration

MASON DEGREE REQUIREMENT				Credits	Course	MASON CORE/DEGREE EQUIVALENT
23	Concentration Requirements	3	IT 304 IT in the Global Economy		Major	
24	Concentration Requirements	3	MGMT 303 Principles of Management		Major	
25	Core Requirements	3	BAS 300 Building Professional Competencies		Major	
26	Gen Ed: Literature	3	Approved Literature Course <sup>4</sup>		Literature	
27	Gen Ed: Natural Science (Lab)	4	Approved Natural Science with Lab <sup>4</sup>		Nat Science	
28	General Electives	3	Upper-level General Elective (See: Advisor)		General Elective	
29	Gen Ed: Written Communication (Upper Level)	3	ENGH 302 Advanced Composition		Written Comm	
30	Concentration Requirements	3	MBUS 300 Accounting in a Global Economy		Major	
31	Concentration Requirements	3	MIS 303 Introduction to Business Information Systems		Major	
32	Gen Ed: Natural Science (Non-Lab)	3	Approved Natural Science without Lab <sup>4</sup>		Nat Science	
33	General Electives	3	Upper-level Elective (See: Advisor)		General Elective	
34	Concentration Requirements	3	IT 343 Project Management		Writing Intensive	
35	Core Requirements	3	BAS 490 Introduction to Research Methods		Major	
36	Concentration Requirements	3	MKTG 303 Principles of Marketing		Major	
37	Concentration Requirements	3	MBUS 305 Introduction to International Business		Major/Global	
38	General Electives	3	Upper-level General Elective (See: Advisor)		General Elective	
39	General Electives	3	Upper-level General Elective (See: Advisor)		General Elective	
40	Core Requirements/Synthesis	3	BAS 491 Applied Sciences Capstone		Synthesis	
B.A.S. APPLIED SCIENCE DEGREE TOTAL		120				
Please note: Some fully online courses may require a campus presence for orientations, tests, final exams, or labs.						

**Important Academic Information:**

<sup>1</sup>Students must take ITN 100 and ITE 221 in order to receive credit for IT 105. Students must take ITN 260 and ITN 266 in order to receive credit for IT 223.

<sup>2</sup>Students with a conferred AAS degree and grades of C or better in ITE 170 and ITD 256 will be granted substitutions for IT 213 and IT 214 (respectively).

These substitutions are available to BAS students only and will be processed by the BAS advisor upon matriculation to Mason.

<sup>3</sup>IT Electives must be met through any combination of IT courses (ITD, ITE, ITN, ITP) that are not already included in the degree.

<sup>4</sup>For approved Mason Core courses, please visit - <https://catalog.gmu.edu/mason-core/>

**Additional General Notes & Resources:**

- 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.

- 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.