

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-#6, failure to meet these milestones may delay matriculation to Mason.

- 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.
- Students must maintain a minimum 2.5 cumulative GPA at NOVA and must have a minimum 2.5 GPA upon matriculation to Mason.
- Students who wish to enroll at Mason for the fall semester must apply for NOVA graduation by March 1 for spring graduation or June 1 for summer graduation. Students who wish to enroll at Mason for the spring semester must apply for NOVA graduation by October 1 for winter graduation.
- Students must begin developmental coursework in no later than the first semester in ADVANCE at NOVA.
- 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).
- In the first 30 credits, students must:
 - Complete ENG 111 with a C or better.
 - Complete the first college-level MTH course with a C or better.

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.

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 119 | 3 | ITE 119 Information Literacy | IT 104 | Info Tech & Major |
| 5 ITN 100 | 3 | ITN 100 Intro to Telecommunications ¹ | See #11 | General Elective |
| 6 MTH 154 or higher | 3 | MTH 154 Quantitative Reasoning | MATH 106 | Quant |
| 7 ITE 170 | 3 | ITE 170 Multimedia Software ² | IT 213 | Major |
| 8 ITN 170 | 3 | ITN 170 Linux System Administration | IT --- | General Elective |
| 9 ITN 260 | 3 | ITN 260 Network Security Basics ¹ | See #22 | General Elective |
| 10 ITP 100 | 3 | ITP 100 Software Design | IT XXX | General Elective |
| 11 IT Elective #1 | 3 | IT Electives ³ | BAS XXX | General Elective |
| 12 IT Elective #2 | 3 | IT Electives ³ | BAS XXX | General Elective |
| 13 ITD 256 | 3 | ITD 256 Advanced Database Management ² | IT 214 | Major |
| 14 ITE 221 (NOVA Catalog: ITE 221 or ITN 107) | 3 | ITE 221 PC Hardware and OS Architecture ¹ | IT 105 & IT XXX | Major |
| 15 ITP Programming 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 150 Python Programming OR ITP 225 Web Scripting Languages | IT XXX | General Elective |
| 16 IT Elective #3 | 3 | IT Electives ³ | BAS XXX | General Elective |

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|-----------------------------------|-------------------------------|----|---|--|------------------|
| 17 | IT Elective #4 | 3 | IT Electives ³ | BAS XXX | General Elective |
| 18 | CST Course | 3 | CST 100 Principles of Public Speaking OR CST 110 Introduction to Communication | COMM 100 COMM 101 | Oral Comm |
| 19 | IT Elective #5 | 3 | ITN 266 Network Security Layers ¹ | IT 223 & IT XXX | Major |
| 20 | Humanities/Fine Arts | 3 | ART 100 Art Appreciation OR 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 101 ARTH 200 ARTH 201 THR 101 ENGH L372 MUSI 101 | Arts |
| 21 | 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 |
| 22 | Social/Behavioral Sciences #2 | 3 | ECO 201 Principles of Macroeconomics OR GEO 210 Introduction to Cultural Geography OR HIS 121 United States History I OR PSY 200 Principles of Psychology OR SOC 200 Principles of Sociology | ECON 104 GGG 103 HIST 121 PSYC 100 SOCI 101 | Soc/Behav |
| A.A.S. INFO. SYSTEMS TECH. | | | | | |
| DEGREE TOTAL | | 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 | MBUS 301 Managing People & Organizations in a Global Economy | Major |
| 25 | Core Requirements | 3 | BAS 300 Building Professional Competencies | Major |
| 26 | Gen Ed: Literature | 3 | Approved Literature Course ⁴ | Art |
| 27 | Gen Ed: Natural Science (Lab) | 4 | Approved Natural Science with Lab ⁴ | Nat Science |
| 28 | General Electives | 3 | Upper-level General Elective (See: Advisor) | Writing Intensive |
| 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 ⁴ | Nat Science |
| 33 | General Electives | 3 | Upper-level Elective (See: Advisor) | General Elective |
| 34 | Concentration Requirements | 3 | IT 343 Project Management | Major |
| 35 | Core Requirements | 3 | BAS 490 Introduction to Research Methods | Major |
| 36 | Concentration Requirements | 3 | MBUS 303 Marketing in a Global Economy | 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 | | |

Important Academic Information:

¹Students 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.

²Students 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.

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

⁴For 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.