ADVANCE

1. [**Home**](https://www.nvcc.edu/)
2. [**ADVANCE**](https://www.nvcc.edu/advance/)
3. Pathways 2020-2021

Top of Form

For the 2020-2021 catalog year, there are many pathways to choose from! In order to make it easier to find the degree that interests you, they have been sorted into categories. Use the search tool to find the program pathway for your degree of interest. Because we are continuing to work on additional pathways for the future, note that more programs will be coming in 2020-2021.

**Area of Study**               
**MASON Degree**     
**NOVA Degree**   



[Printer-friendly version](https://www.nvcc.edu/advance/pdf/2020/Information-Technology-20-21.pdf)

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**Program Milestone:**

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 MTT or ENF courses (excluding summer).  
4. In the first 30 credits, students must:  
       a. Complete ENG 111 and ENG 112 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 earn a 3.0 cumulative GPA to matriculate to Mason.  
7. Students must earn a B or higher in ITE 119, ITN 100, ITE 221, ITP 120 or ITP 150, ITE 170, and ITD 256.  
8. Students must apply for NOVA graduation and complete their Associate's degree.

A.S. Information Technology

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| **NORTHERN VIRGINIA COMMUNITY COLLEGE** | |  | **MASON** | |
| NOVA Degree Requirement | NOVA Course | Credits | Transfer to MASON As | MASON Degree Requirement |
| **SDV Course** | SDV 101 Orientation to Information Technology | 1 | UNIV 100 | Elective |
| **ENG 111** | ENG 111 College Composition I | 3 | ENGH 101 | Written Comm |
| **HIS Course** | HIS 101 History of Western Civilization I *or* | 3 | HIST 101 | Western Civ |
| HIS 102 History of Western Civilization II *or* |  | HIST 102 |  |
| HIS 112 History of World Civilization II |  | HIST 125 |  |
| **MTH 161** | MTH 161 PreCalculus I\* | 3 | None | Prerequisite |
| **ITE 119** | ITE 119 Information Literacy | 3 | IT 104 | Major |
| **ENG 112** | ENG 112 College Composition II | 3 | ENGH XXX | Elective |
| **CST 100 or CST 110** | CST 100 Principles of Public Speaking *or* | 3 | COMM 100 | Oral Comm |
| CST 110 Introduction to Communication |  | COMM 101 |  |
| **Humanities/Fine Arts #1** | ART 100 Art Appreciation *or* | 3 | ARTH 101 | Arts |
| ART 102 History and Appreciation of Art I *or* |  | ARTH 201 |  |
| ART 101 History and Appreciation of Art II *or* |  | ARTH 200 |  |
| CST 130 Introduction to Theatre *or* |  | THR 101 |  |
| CST 151 Film Appreciation I *or* |  | ENGH L372 |  |
| MUS 121 Music Appreciation I |  | MUSI 101 |  |
| **MTH 261** | MTH 261 Applied Calculus I | 3 | MATH 108 | Major |
| **Technical Elective #1** | ITE 170 Multimedia Software | 3 | IT 213 | Major |
| **Social/Behaviorial Sciences #1** | ECO 201 Principles of Macroeconomics *or* | 3 | ECON 104 | Soc/Behav |
| ECO 202 Principles of Microeconmoics *or* |  | ECON 103 |  |
| GEO 210 Introduction to Cultural Geography *or* |  | GGS 103 |  |
| HIS 121 United States History I *or* |  | HIST 121 |  |
| HIS 122 United States History II *or* |  | HIST 122 |  |
| PLS 135 American National Politics *or* |  | GOVT 103 |  |
| PLS 211 United States Government I *or* |  | GOVT 103 |  |
| PSY 200 Principles of Psychology *or* |  | PSYC 100 |  |
| PSY 230 Developmental Psychology *or* |  | PSYC 211 |  |
| SOC 200 Principles of Sociology *or* |  | SOCI 101 |  |
| SOC 211 Principles of Anthropology I |  | ANTH 114 |  |
| **Programming Elective** | ITP 120 Java Programming I *or* | 4 | IT 106 | Major |
| ITP 150 Python Programming |  | IT 109 |  |
| **Science Course #1** | BIO 101 General Biology I *or* | 4 | BIOL 103 | Nat Science |
| CHM 101 Introductory Chemistry I *or* |  | CHEM 103 |  |
| ENV 121 General Environmental Science I *or* |  | EVPP 110 |  |
| GOL 105 Physical Geology *or* |  | GEOL 101 |  |
| PHY 101 Introduction to Physics I |  | PHYS 103 |  |
| **Technical Elective #2** | ITD 256 Advanced Database Management | 3 | IT 214 | Major |
| **ENG Literature Course** | ENG 236 Introduction to the Short Story *or* | 3 | ENGH 202 | Literature |
| ENG 241 Survey of American Literature I *or* |  | ENGH 202 |  |
| ENG 242 Survey of American Literature II *or* |  | ENGH 202 |  |
| ENG 251 Survey of World Literature I *or* |  | ENGH 202 |  |
| ENG 252 Survey of World Literature II *or* |  | ENGH 202 |  |
| ENG 253 Survey of African-American Literature I |  | ENGH 202 |  |
| **Technical Elective #3** | IT 102 Discrete Structures 1 | 3 | IT 102 | Major |
| **Social/Behaviorial Sciences #2** | GEO 220 World Regional Geography *or* | 3 | GGS 101 | Global |
| HIS 111 History of World Civilization I *or* |  | HIST L387 |  |
| PLS 140 Introduction to Comp Govt *or* |  | GOVT 133 |  |
| PLS 241 International Relations I *or* |  | GOVT 132 |  |
| PSY 219 Cross-Cultural Psychology *or* |  | PSYC L379 |  |
| SSC 115 Introduction to Global Affairs |  | GLOA 101 |  |
| **Science Course #2** | BIO 102 General Biology II *or* | 4 | BIOL 106/107 | Nat Science |
| CHM 102 Introductory Chemistry II *or* |  | CHEM 104 |  |
| ENV 122 General Environmental Science II *or* |  | EVPP 111 |  |
| GOL 106 Historical Geology *or* |  | GEOL 102 |  |
| PHY 102 Introduction to Physics II |  | PHYS 104 |  |
| **Technical Elective #4** | ITN 100 Introduction to Telecommunications | 3 | See #20 |  |
| **Technical Elective #5** | ITE 221 PC Hardware and OS Architecture | 3 | IT 105 and IT XXX\*\* | Major & Elective |
|  |  | Total Credits: 61 | |  |

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