George Mason University BS in Computer Science
Brightpoint AS in Computer Science
2025-2026

ADVANCE
PART OF THE MASON VIRGINIA PROMISE

Brightpoint COMMUNITY COLLEGE   **GEORGE MASON UNIVERSITY**

Transfer Requirements
1. Complete the associate degree with a 2.5 or higher cumulative GPA.
2. ENG 111, ENG 112, and a college-level math course must be completed with a C or higher in the first 45 credits. See the pathway to select the correct math course(s) for the intended major.
3. Transfer to Mason for the fall or spring semester immediately following the conferral of the pathway associate degree.
4. Grades of C or higher are required for transfer credit. Select programs may require a higher grade in specified courses. See the program-specific requirements noted on the pathway.
5. Students must complete their associate degree within five years of entering the program.

Program Specific Requirements
- Students must earn at least B in CSC 222 or CSC 223, AND earn at least a B in one of the following: MTH 263, MTH 264, MTH 288, or CSC 208 to be admitted to the Computer Science, BS.

Associate Degree Requirements

#	Associate Degree Requirement & Course	Credits	Mason Equivalent	Mason Degree Requirement
1	SDV 100	1	UNIV 100	General Elective
2	ENG 111	3	ENGH —	General Elective
3	Approved Elective: MTH 161[1,4]	3	MATH 103T	General Elective Prerequisite for MTH 162
4	CSC 221	3	CS 108	Gen Ed: Info Tech
5	Humanities: PHI 100, PHI 111, PHI 220, REL 100, REL 230	3	Mason Equivalent[2]	General Elective
6	ENG 112	3	ENGH 101	Gen Ed: Written Comm
7	Approved Elective: MTH 162[1,4]	3	MATH 105	General Elective Prerequisite for MTH 263
8	CSC 222[3]	4	CS 112	Major
9	Social/Behavioral Science: ECO 150, ECO 201, ECO 202, GEO 210, GEO 220, PLS 135, PLS 241, PSY 200, SOC 200, SOC 211, SOC 268	3	Mason Equivalent[2]	Gen Ed: Social/Behavioral Science
10	MTH 263[3]	4	MATH 113	Major & Gen Ed: Quant Reasoning
11	CSC 223[3]	4	CS 211	Major
12	Laboratory Science Sequence: BIO 101, CHM 111, or PHY 241 (Students must complete a lab science sequence)	4	Mason Equivalent[2]	Major & Gen Ed: Natural Science
13	History Elective: HIS 111 or HIS 112 (recommended)	3	HIST L387 or HIST 125	Gen Ed: Global History
14	MTH 264[3]	4	MATH 114	Major
15	CSC 205	3	CS ---	General Elective
16	CSC 208[3]	3	MATH 125	Major
17	Laboratory Science Sequence: BIO 102, CHM 112, or PHY 242 (Students must complete a lab science sequence)	4	Mason Equivalent[2]	Major & Gen Ed: Natural Science
18	Approved Elective: MTH 265	4	MATH 213	Major
19	Arts/Literature Elective: Recommend Literature: ENG 225, ENG 245, ENG 246, ENG 255, ENG 258, ENG 275	3	Mason Equivalent[2]	Gen Ed: Literature
	Associate degree total: *Students must apply to graduate by the community college graduation application deadline.*	**62**		

Bachelor's Degree Requirements

#	Degree Requirement & Course	Credits	Notes
20	Gen Ed: Written Comm: ENGH 302	3	
21	CS 110	3	
22	CS 262	3	
23	CS 310	3	
24	CS 321	3	
25	CS 330	3	
26	CS 367	3	
27	CS 471	3	
28	CS 483	3	
29	Major & Gen Ed: Apex: CS 405	3	Writing Intensive
30	Approved Senior Computer Science Electives	15	
31	MATH 203	0-3	Not needed if MTH 266 is completed at Brightpoint.
32	STAT 344	3	
33	Approved Computer Science Related Courses	6	
34	Natural Science	0-4	Not needed if third Natural Science is completed at Brightpoint
35	General Elective	0-4	As needed to reach 120 total credits.
	Total post-transfer credits:	**58-61**	
	Pathway total:	**120-123**	

Footnotes:
1. Students placed directly into MTH 162 should complete MTH 266. Students placed directly into MTH 263 should complete MTH 266 and, if needed to complete the Computer Science AS, either PHY 241 or CHM 111. Students should prioritize the completion of MTH 266 when possible. The third Natural Science will fulfill the additional approved lab science requirement in the Computer Science, BS. The Computer Science, BS requires 12 total credits of approved Natural Science coursework and must include a two-course sequence.
2. To confirm Mason equivalencies, visit: [Mason Transfer Credit Matrix](#).
3. Students must earn at least B in CSC 222 or CSC 223, AND earn at least a B in one of the following: MTH 263, MTH 264, MTH 288, or CSC 208 to be admitted to the Computer Science, BS.
4. Students must complete both MTH 161 and 162 to receive credit for MATH 105.

Additional Academic Information:
- Students who complete a VCCS transfer associate degree (AS, AA, AA&S, or AFA) will receive a waiver of the Foundation and Exploration (lower division) Mason Core general education categories. To be eligible for the waiver, the students must provide the Mason Office of Admissions with a final, official transcript reflecting the degree conferral date. As a prerequisite for ENGH 302, ENGH 101 is not waived. Students must complete ENGH 100 or ENGH 101, or an equivalent, with a C or higher.
  - When a course fulfills a Mason Core requirement and a major or college requirement (e.g. Major & Quant), students must complete the course listed on the pathway to fulfill the major/college requirement. Courses that fulfill only Mason Core Foundation and Exploration categories are recommendations. In most pathways, ADVANCE students must complete a Quantitative Reasoning course to matriculate through ADVANCE.
  - ADVANCE students must complete the associate degree indicated on their pathway (see the Transfer Requirements listed above). Students who withdraw from ADVANCE and transfer without the associate degree or UCGS are required to complete each Mason Core general education category.
- All students seeking a bachelor's degree must apply at least 45 credits of upper-level courses (numbered 300 or above) toward graduation.
- For academic policies and procedures relating to the associate degree, please navigate to your specific catalog year using the Archive Catalog link: [Catalog and Student Handbook Archive](#)
- For academic policies and procedures relating to the bachelor's degree, please visit: [George Mason Catalog](#). Navigate to your specific catalog year requirements using the catalog archive: [George Mason Catalog Archive](#).