

George Mason University BS in Computational and Data Sciences
Virginia Peninsula AS in Computer Science
2025-2026

ADVANCE
 PART OF THE MASON VIRGINIA PROMISE



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.

Associate Degree Requirements

#	Associate Degree Requirement & Course	Credits	Mason Equivalent	Mason Degree Requirement
1	CSC 221	3	CS 108	Gen Ed: Info Tech
2	ENG 111	3	ENGH —	General Elective
3	Humanities/Arts/Literature: ART 101, ART 102, CST 130, MUS 121	3	Mason Equivalent ¹	Gen Ed: Arts
4	Approved HIS Elective: HIS 101, HIS 102, HIS 111, or HIS 112 (recommended)	3	HIST 101T, HIST 102T, HIST 387T, or HIST 125	Gen Ed: Global History
5	SDV 100	1	UNIV 100	General Elective
6	Computer Science Prerequisites, Requirements, or Electives: MTH 161 ²	3	MATH 103T	General Elective Prerequisite for MTH 162
7	Computer Science Prerequisites, Requirements, or Electives: MTH 162 ^{2,3}	3	MATH 105	General Elective Prerequisite for MTH 263
8	CSC 208	3	MATH 125	Major
9	CSC 222	4	CS 112	Major
10	ENG 112	3	ENGH 101	Gen Ed: Written Comm
11	Social/Behavioral Science: ECO 201, ECO 202, GEO 210, PLS 135, PSY 200, SOC 200	3	Mason Equivalent ²	Gen Ed: Social/Behavioral Science
12	MTH 263	4	MATH 113	Major
13	CSC 223	4	CS 211	Major
14	Humanities/Arts/Literature: ENG 225, ENG 245, ENG 246, ENG 250, ENG 255, ENG 258, ENG 275	3	Mason Equivalent ¹	Gen Ed: Literature
15	Laboratory Science for Computer Science: BIO 101, CHM 111, GOL 105, PHY 241	4	Mason Equivalent ¹	Gen Ed: Natural Science
16	Computer Science Elective: BIO 102, CHM 112, GOL 106, PHY 242	4	Mason Equivalent ¹	Gen Ed: Natural Science
17	CSC 205	3	CS —	General Elective
18	MTH 264	4	MATH 114	Major
19	Computer Science Prerequisites, Requirements, or Electives: MTH 266	3	MATH 203	Major
	Associate degree total: <i>Students must apply to graduate by the community college graduation application deadline.</i>	61		

Bachelor's Degree Requirements — Fully online degree option available

#	Degree Requirement & Course	Credits	Notes
20	Gen Ed: Written Comm: ENGH 302	3	
21	CDS 130	3	
22	CDS 151	1	
23	CDS 230	3	
24	CDS 301	3	
25	CDS 302	3	
26	CDS 303	3	
27	Major & Gen Ed: Apex: CDS 492 (recommended)	3	
28	Lower Level Extended Core Courses	9	24 total credits of Extended Core Courses required. Recommend taking CDS 101, CDS 130, and CDS 251 in order to meet prerequisites for upper level options.
29	Upper Level Extended Core Courses	15	Select 300- and 400-level courses to meet the 45-credit upper level credit requirement.
30	STAT 250 or STAT 344	3	
31	STAT 350 or STAT 346	3	
32	Upper Level General Electives	12	
	Total post-transfer credits:	64	
	Pathway total:	125	

Footnotes:

1. Students placed directly into MTH 263 should complete MTH 265.
2. To confirm Mason equivalencies, visit: [Mason Transfer Credit Matrix](#).
3. Students must complete both MTH 161 and MTH 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: [College Catalog | Virginia Peninsula Community College \(vpcc.edu\)](#)
- 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](#).