

George Mason University BS in Computational & Data Sciences
Tidewater AS in 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	ENG 111	3	ENGH —	General Elective
2	MTH 161	3	MATH 103T	General Elective & Prerequisite
3	SDV 100	1	UNIV 100	General Elective
4	Humanities Elective: ART 100, ART 101, ART 102, CST 130, CST 151, MUS 121, MUS 221, or MUS 222	3	Mason Equivalent ¹	Gen Ed: Arts
5	Science with Lab Elective Sequence 1: BIO 101, CHM 111, GOL 105, PHY 201, PHY 241	4	Mason Equivalent ¹	Gen Ed: Natural Science
6	ENG 112	3	ENGH 101	Gen Ed: Written Comm
7	MTH 162	3	MATH 104	General Elective & Prerequisite
8	Health/Physical Education Elective: Any transferable DIT, HLT, or PED (activity) course ¹	2	Mason Equivalent ¹	General Elective
9	HIS Elective: HIS 101, HIS 102, HIS 111 or HIS 112 (recommended)	3	HIST 101T, HIST 102T, HIST 387T, HIST 125	Gen Ed: Global History
10	Science with Lab Elective Sequence 1: BIOL 102, CHM 112, GOL 106, PHY 202, PHY 242	4	Mason Equivalent ¹	Gen Ed: Natural Science
11	CST 100 or CST 110	3	COMM 100, COMM 101	Gen Ed: Oral Comm
12	Approved Elective: MTH 263	4	MATH 113	Major & Gen Ed: Quant Reasoning
13	Approved Elective: MTH 245	3	STAT 250	Major
14	History Elective: HIS 121 or HIS 122	3	HIST 121, HIST 122	Gen Ed: Soc/Behav Science
15	Science with Lab Elective Sequence 2: BIO 101, CHM 111, GOL 105, PHY 201, PHY 241	4	Mason Equivalent ¹	Major
16	Approved Elective: MTH 264	4	MATH 114	Major
17	Humanities Elective: ENG 225, ENG 245, ENG 246, ENG 250, ENG 255, ENG 258, ENG 275, HUM 256, HUM 259	3	Mason Equivalent ¹	Gen Ed: Literature
18	Science with Lab Elective Sequence 2: BIOL 102, CHM 112, GOL 106, PHY 202, PHY 242	4	Mason Equivalent ¹	Major
19	Any transferable Tidewater UCGS Social Science Elective	3	Mason Equivalent ¹	General Elective
	Associate degree total: <i>Students must apply to graduate by the community college graduation application deadline.</i>	60		

Bachelor's Degree Requirements — Fully online degree option available

#	Degree Requirement & Course	Credits	Notes
20	Gen Ed: Written Comm: ENGH 302	3	
21	Major & Gen Ed: Info Tech: CDS 130	3	
22	CDS 151	1	
23	CDS 230	3	
24	CDS 301	3	
25	CDS 302	3	
26	CDS 303	3	
27	Lower Level Extended Core Courses ² : CDS 101, CDS 130, and CDS 251	9	Several lower level Extended Core Courses are prerequisites for Upper Level Extended Core Courses. Consult your Mason advisors to select the appropriate courses for your goals and to work toward 45 total upper level (300/400) credits.
28	Upper Level Extended Core Courses ²	15	
29	MATH 203	3	
30	STAT 350	3	
31	Gen Ed: Apex course ³	3	CDS 492 recommended
32	Upper Level General Electives	12	Must be upper level (300/400) to meet the 45 total upper level requirement
	Total post-transfer credits:	64	
	Pathway total:	124	

Footnotes:

1. To confirm Mason equivalencies, visit: [Mason Transfer Credit Matrix](#).
2. For Extended Core course options, see catalog: [Current Computational and Data Sciences, BS Catalog](#). Please use the [catalog archive link](#) to navigate to your specific catalog year requirements.
3. For Mason Core course options, see catalog: [Mason Catalog: Mason Core Requirements](#)

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: [Tidewater Catalog 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](#).