

George Mason University BS in Computational & Data Sciences

Tidewater AS in Science

2023-2024



Transfer Requirements

1. Complete the associate degree with a 2.5 or higher cumulative GPA.
2. ENG 111, ENG 112, and the required MTH course for the pathway must be completed with a C or higher in the first 45 credits.
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

#	Degree Requirement & Course	Credits	Mason Equivalent	Notes
1	ENG 111	3	ENGH 101 ¹	Gen Ed: Written Comm
2	MTH 161	3	MATH 103T	General Elective & Prerequisite
3	SDV 100	1	UNIV 100	General Elective
4	Humanities Elective	3	Gen Ed: Arts	Options: ART 100, ART 101, ART 102, CST 130, CST 151, ENG 211, MUS 121
5	Science with Lab Elective: Sequence 1	4	Gen Ed: Natural Science	Options: BIO 101, CHM 111, GOL 105, NAS 131, PHY 201, PHY 241
6	ENG 112	3	ENGH — ¹	General Elective
7	MTH 162	3	MATH —	General Elective & Prerequisite
8	Health/Physical Education Elective	2-3	Mason Equivalent ²	General Elective. Options: Any transferable DIT, HLT, or PED (activity) course ²
9	HIS Elective: HIS 101, HIS 102, or HIS 112 (recommended)	3	HIST 101, HIST 102, or HIST 125	Gen Ed: Global History
10	Science with Lab Elective: Sequence 1	4	Gen Ed: Natural Science	Options: BIOL 102, CHM 112, GOL 106, NAS 132, PHY 202, PHY 242
11	CST 100 or CST 110	3	COMM 100 or 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 or HIST 122	Gen Ed: Soc/Behav Science
15	Science with Lab Elective: Sequence 2	4	Mason Equivalent ²	Major. Options: BIO 101, CHM 111, GOL 105, NAS 131, PHY 201, PHY 241
16	Approved Elective: MTH 264	4	MATH 114	Major
17	Humanities Elective	3	Gen Ed: Literature	Options: ENG 236, ENG 243, ENG 244, ENG 246, ENG 250, ENG 255, ENG 258, HUM 256, HUM 259
18	Science with Lab Elective: Sequence 2	4	Mason Equivalent ²	Major. Options: BIOL 102, CHM 112, GOL 106, NAS 132, PHY 202, PHY 242
19	Social Science Elective	3	Gen Ed: Global Understanding	Options: GEO 220, PLS 140, PLS 241
	Associate degree total:	60-61		Students must apply to graduate by the community college graduation application deadline.

Bachelor's Degree Requirements

#	Degree Requirement & Course	Credits	Notes
20	Gen Ed: Written Comm: ENGH 302	3	
21	CDS 130	3	Gen Ed: Info Tech
22	CDS 151	1	
23	CDS 230	3	
24	CDS 301	3	
25	CDS 302	3	
26	CDS 303	3	
27	Extended Core Courses ³	18	
28	MATH 125, MATH 203, or MATH 446	3	Consult a CDS advisor to select the appropriate math course based on your goals and plans for extended core coursework
29	STAT 350	3	
30	Synthesis course	3	
31	General Electives	13-14	Must be upper level (300/400) to meet the 45 total upper level requirement
	Total post-transfer credits:	59-60	
	Pathway total:	120	

Footnotes:

1. Students who complete ENG 111 after Spring 2024 will earn ENGH elective for ENG 111 and ENGH 101 for ENG 112.
2. To confirm Mason equivalencies, visit: [Mason Transfer Credit Matrix](#). Starting Fall 2023, use: [Mason Transfer Equivalency System](#).
3. For Extended Core course options, see catalog: <https://catalog.gmu.edu/colleges-schools/science/computational-data-sciences/computational-data-sciences-bs/#requirementstext>. Please use the [catalog archive link](#) to navigate to your specific catalog year requirements.

Additional Academic Information:

- Students who complete a VCCS transfer associate degree (AS, AA, AA&S, & 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.
- 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: <https://catalog.tcc.edu/index.php?catoid=10>
- For academic policies and procedures relating to the bachelor's degree, please visit: <https://catalog.gmu.edu/>. Navigate to your specific catalog year requirements using the catalog archive: <https://catalog.gmu.edu/archives/>