

George Mason University BS in Biology
Germanna 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	SDV 100	1	UNIV 100	General Elective
2	ENG 111	3	ENGH —	General Elective
3	BIO 101	4	BIOL 103/105	Major & Gen Ed: Natural Science
4	CHM 111	4	CHEM 211/213	Major
5	MTH 167 ¹	5	MATH 105	Prerequisite & General Elective
6	ENG 112	3	ENGH 101	Gen Ed: Written Comm
7	MTH 263	4	MTH 113	Major & Gen Ed: Quant Reasoning
8	BIO 102	4	BIOL 102	Major
9	CHM 112	4	CHEM 212/214	Major
10	MTH 264 or MTH 245	3-4	MATH 114 or STAT 250	General Elective
11	ITE 152	3	IT 104	Major & Gen Ed: Info Tech
12	UCGS Art, Humanities, Literature Elective I: PHI 100, PHI 111, or PHI 220	3	PHIL 100T, PHIL 173T, or PHIL 151T	General Elective
13	UCGS Social Science Elective ECO 150, ECO 201, ECO 202, GEO 210, HIS 121, HIS 122, PLS 135, PSY 200, SOC 200, SOC 268	3	Mason Equivalent ²	Gen Ed: Soc/Behav Sci
14	CST 100 or CST 110	3	COMM 100 or COMM 101	Gen Ed: Oral Comm
15	Any 200-level BIO or CHM: BIO 206	4	BIOL 213	Major
16	BIO 299	1	COS 120	General Elective
17	UCGS Art, Humanities Literature Elective II: ENG 236, ENG 245, ENG 246, ENG 258, ENG 275, ENG 279	3	Mason Equivalent ²	Gen Ed: Literature
18	UCGS 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
19	Transfer Elective III: PHY 201 or 241	4	PHY 243/244 PHYS 160/161	Major
	Associate degree total: <i>Students must apply to graduate by the community college graduation application deadline.</i>	62-63		

Bachelor's Degree Requirements

#	Degree Requirement & Course	Credits	Notes
20	Gen Ed: Written Comm: ENGH 302	3	
21	BIOL 214	4	
22	BIOL 308	5	Writing Intensive. Alternatively, students may complete BIOL 300 and a Writing Intensive Course (BIOL 400 or MLAB 300). See your Mason advisor to select the best option based on your goals.
23	BIOL 311	4	
24	CHEM 313 & CHEM 315	5	
25	PHYS 245 & PHYS 246 or PHYS 260 & PHYS 261	4	
26	Additional Upper-level BIOL courses	20	At least two of the selected upper level BIOL electives must include a lab. Students can use these major electives to complete an optional BIOL concentration, but additional credits beyond the posted total may be required. See your advisor to develop a plan. ³
27	Additional science courses: CHEM 314/318 or GEOL 101/103 AND GEOL 102/104 or 3-credit upper level Chemistry course	3-8	See your advisor to select the best option based on your future goals.
28	Gen Ed: Apex (any approved Apex Course)	3	
29	General Electives	1-7	As needed to reach 120 total credits and 45 upper level credits. See your advisor.
	Total post-transfer credits:	57-58	
	Pathway total:	120	

Footnotes:

- Students who place directly into MTH 263 should take PHYS 202 to replace the MTH 167.
- To confirm Mason equivalencies, visit: [Mason Transfer Credit Matrix](#).
- Concentration selection may prescribe elective coursework. Visit [Current Biology, BS Catalog](#) for more information. Please navigate to your specific catalog year using the [Catalog Archive](#).

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 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](#).