

George Mason University Bachelor of Science in Mathematics

Associate Transfer Degree Plan in Mathematics

COURSE REQUIREMENTS

Complete at VCCS				Complete at George Mason University		
BACHELOR'S DEGREE REQUIREMENT	SATISFIED BY			BACHELOR'S DEGREE REQUIREMENT		
Course	Credits	CC Course	Notes	Course	Credits	Notes
General Elective: UNIV 100	1	SDV 100		ENGH 302	3	
General Elective: ENGH --	3	ENG 111		MATH 300	3	
Gen Ed: Written Comm ENGH 101	3	ENG 112	Admission Requirement	MATH 322	3	
Gen Ed: Arts	3	ART 100, ART 101, ART 102, CST 130, CST 151, MUS 121	Course options listed are Passport and/or UCGS courses. Additional options may be available. Can be waived with degree completion.	CS 109	3	CS 108 and CS 109 are equivalent to CS 112.
Gen Ed: Literature	3	ENG 225, ENG 245, ENG 246, ENG 250, ENG 255, ENG 258, ENG 275		Concentration courses	25-33	Some credits must be upper level to reach 45 total upper level credits. See advisor to plan accordingly.
Gen Ed: Social & Behavioral Science	3	ECO 150, ECO 201, ECO 202 GEO 210, PLS 135, PSY 200, SOC 200, SOC 211, SOC 268	ECO 202 required for Actuarial concentration. Course options listed are Passport and/or UCGS courses. Additional options may be available. Can be waived with degree completion.	Apex	3	MATH 400 recommended
Gen Ed: Global History	3	HIS 101, HIS 102, HIS 111, HIS 112	HIS 112 recommended. Course options listed are Passport and/or UCGS courses. Additional options may be available. Can be waived with degree completion.	General Electives	10-20	As needed to reach 120 total credits. Some credits may need to be 300/400 level to reach 45 total upper level credits. See advisor to plan accordingly.
Major & Gen Ed: Natural Science	4	BIO 101, CHM 111, GOL 105, PHY 241	Two-course sequence in the same subject required.			

Major & Quantitative Reasoning: MATH 113	4	MTH 263	A college-level math is required for Admission. MTH 263/MATH 113 is the most relevant college-level math for this major.			
Major & Gen Ed: Natural Science	4	BIO 102, CHM 112, GOL 106, PHY 242	Two-course sequence in the same subject required			
General Elective	3	ECO 150, ECO 201, ECO 202, GEO 210, HIS 121, HIS 122, PLS 135, PSY 200, SOC 200, SOC 211, SOC 268	Course options listed are Passport and/or UCGS courses. Additional options may be available.			
Major: MATH 114	4	MTH 264				
Major: MATH 213	4	MTH 265				
Major: MATH 203	3	MTH 266				
Major: MATH 214	3	MTH 267				
Major: MATH 125	3	MTH 288 or CSC 208				
Major: CS 108	3	CSC 221	Students will complete the programming sequence at George Mason with CS 109.			
General Elective: MATH 105	5-6	MTH 167 or MTH 161 and MTH 162	Prerequisite for MTH 263. Students who place directly into MTH 263 and do not need MTH 167 or MTH 161/162 should take CST 110 to meet Gen Ed: Oral Comm.			
General Elective (This course is not needed if selections for all other requirements total 60 credits or more)	3	ART 100, ART 101, ART 102, CST 130, CST 151, MUS 121, PHI 100, PHI 111, PHI 220, REL 100, REL 230, REL 237, REL 238	Additional options may be available. Students may select any transferrable course that fulfills their AS degree requirement.			
CREDITS PRE-TRANSFER: 60-62				CREDITS POST-TRANSFER: 58-60		

TRANSFER GUIDANCE

Transfer Admission Requirements

- Transfer applicants must present a minimum 2.5 cumulative GPA.
- Prior to applying, VCCS applicants must complete an English composition equivalent to ENGH 101 (ENG 112). Students may provide secondary school coursework or test scores demonstrating [English language proficiency](#).
- Prior to applying, VCCS applicants must complete a college-level math course.
- GAA applicants must present a minimum 2.85 cumulative GPA. For more information about Guaranteed Admission Agreement Requirements, visit: <https://www.vccs.edu/transfer-programs/>

IMPORTANT LINKS & DATES:

- **Office of Transfer Services:** <https://www.gmu.edu/admissions-aid/apply-now/how-apply/transfer/office-transfer-services>
- **Admission Application:** By Oct 1 or March 1 at <https://www.gmu.edu/admissions-aid/apply-now>
- **Financial Aid:** <https://www.gmu.edu/financial-aid>
- **FAFSA - Free Application for Federal Student Aid:** March 15 for Fall admission and November 1 for Spring admission at studentaid.gov

WHAT SHOULD I CONSIDER WHEN SELECTING COURSES?

- Interested students should investigate the different programs and concentration offerings. The first- and second-year core math requirements are the same for both the BA and BS degrees, so students should not worry about choosing a pathway until the end of the sophomore year. Our program encourages students to explore different fields of mathematics prior to settling on a degree/concentration.
- Create a schedule for all required courses, pay attention to prerequisites and when courses are offered, complete your first math and English courses in your first year. For help, see Transfer Steps and Resource Center at www.TransferVirginia.org
- Connect with an advisor at your community college and George Mason University within your first year. College Connect available in your account at www.TransferVirginia.org

IS THIS DEGREE RIGHT FOR ME?

- The programs offered by the George Mason Mathematical Sciences department are ideal for students who enjoy problem-solving and logical reasoning. If you are interested in real world applications of mathematics, research or internship opportunities, careers in government, finance, tech or academia and a customizable degree with multiple concentration offerings, then this is the program for you!

WHAT IS THE IMPACT ON MY DEGREE OF WORK I HAVE ALREADY COMPLETED?

- **Associate Transfer Degree Completion:** Students who complete a-transfer associate degree (AS, AA, AA&S, or AFA) from a Virginia Community College will receive a waiver of the Foundation and Exploration (lower division) Mason Core general education categories. To be eligible for the waiver, students must provide the George 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 transfer in or complete ENGH 100 or ENGH 101 at George Mason with a C or higher.
- **Dual Enrollment – Completion of Associate Degree in HS:** Applicants are required to apply as freshmen.
- **Credit for Prior Learning:** Credit by exam may be used to fulfill General Education and/or major requirements. See: <https://www.gmu.edu/admissions-aid/apply-now/how-apply/transfer/transfer-credit-policy>
- **Catalog Year:** Catalog year determined by first term of attendance at George Mason.

IS THIS COLLEGE RIGHT FOR ME?

- Located in Fairfax, Virginia, within the Washington metropolitan area, George Mason enrolls more than 28,000 undergraduate students from all 50 states and more than 130 countries in 78 in-demand majors.
- More than 4,500 new transfer students choose George Mason each year, and the university has been recognized as the most diverse in Virginia by U.S. News & World Report.
- Transfer students are welcome to live among our 7700-student residential community or off campus. The Office of Contemporary Student Services is dedicated to the support of off-campus transfers.
- 65% of George Mason students receive financial aid.
- 22 Division I men's and women's sports teams, plus club and intramural leagues, and more than 400 student organizations.
- For more information, visit: <https://www.gmu.edu/transfer>
- Learn more about our college at www.TransferVirginia.org

DID YOU KNOW THAT...

- We have a robust undergraduate research program through the Mason Experimental Geometry Lab (MEGL) and through individual faculty grants. Students may choose to receive credit for research and apply those to their degree.
- The department has an internship coordinator to help students apply and receive internship opportunities. Students may choose to receive credit for internships and apply those to their degree.
- Completing your Associate transfer degree post-high school satisfies all lower division general education requirements and increases the chance of completing your bachelor's degree.
- Exceeding 3 years or 90 credits at your community college means you may have exhausted your financial aid at that college and have limited your future financial aid at George Mason.

WHAT CAN I DO WITH THIS DEGREE?

- Many of our undergraduate students continue to graduate programs or careers in industry or education. Due to our proximity to the nation's capital, we have many graduates working for government agencies or labs.
- Explore possible careers, salaries, and job outlook at www.TransferVirginia.org

PROGRAM SUCCESSES & HIGHLIGHTS

- Our program is very flexible and includes concentration offerings for a variety of interests.
- Our full-time faculty to student ratio is quite low, allowing for students to have close relationships with faculty and receive individualized attention and mentoring.
- Our faculty have research partners in other departments, both at George Mason and around the world, giving students access to a wide network of collaborators.

DO MORE WITH YOUR DEGREE!

- We offer many concentrations in our BS degree, including an individualized concentration where students may design their own degree tailored to meet their interests.
- Students may choose to participate in an accelerated master's program and many choose to earn either a Mathematics, MS or a Master of Education in Curriculum and Instruction, Concentration in Secondary Education Mathematics.

OTHER THAN CLASSES, ARE THERE OTHER PROGRAM REQUIREMENTS?

- There are no program requirements beyond the required coursework. We do allow students to apply individualized courses, research credits and internship credits to their degree, but they are not a required part of the degree.