

George Mason University BS in Computer Science

Associate Transfer Degree Plan in Computer Science

COURSE REQUIREMENTS

Complete at Virginia Community College				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		Major: MATH 203	0-3	If MTH 266 is not completed at the community college, MATH 203 must be completed at George Mason.
General Elective: ENGH ---	3	ENG 111		Major: Natural Science	0-4	If not completed at the community college, students must complete 12 total credits of Natural Science, including a two-course sequence. See catalog for approved options.
Gen Ed: Written Comm ENGH 101	3	ENG 112	Admission Requirement	Gen Ed: Upper Level Written Comm ENGH 302	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.	Major: CS 110	3	
Gen Ed: Literature	3	ENG 225, ENG 245, ENG 246, ENG 250, ENG 255, ENG 258, ENG 275	Course options listed are Passport and/or UCGS courses. Additional options may be available. Can be waived with degree completion.	Major: CS 262	3	

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.	Major: CS 405	3	Gen Ed: Writing Intensive and Gen Ed: Apex
Gen Ed: Social & Behavioral Science	3	ECO 150, ECO 201, ECO 202, GEO 210, PLS 135, PSY 200, SOC 200, SOC 211, SOC 268	Course options listed are Passport and/or UCGS courses. Additional options may be available. Can be waived with degree completion.	Major: CS 310	3	
Major & Gen Ed: Natural Science	4	BIO 101, BIO 102, CHM 111, CHM 112, GOL 105, GOL 106, PHY 241, or PHY 242	Options are restricted to the courses listed. 12 total credits of approved lab science are required and must include a two-course sequence.	Major: CS 321	3	
Major & Quantitative Reasoning: MATH 113	4	MTH 263	Students must earn an A or B in MTH 263, MTH 264, or MTH 288/CSC 208	Major: CS 330	3	
Major: MATH 114	4	MTH 264	Students must earn an A or B in MTH 263, MTH 264, or MTH 288/CSC 208	Major: CS 367	4	
Major & Gen Ed: Natural Science	4	BIO 101, BIO 102, CHM 111, CHM 112, GOL 105, GOL 106, PHY 241, or PHY 242	Options are restricted to the courses listed. 12 total credits of approved lab science are required and must include a two-course sequence.	Major: CS 471	3	
General Elective: CS 108	3	CSC 221	Prerequisite	Major: CS 483	3	
Major: CS 112	4	CSC 222	Students must earn an A or B in CSC 222 or CSC 223	Major: STAT 344	3	

Major: CS 211	4	CSC 223	Students must earn an A or B in CSC 222 or CSC 223	Choose one: CS 455, CS 468, CS 475, CS 487	3	Senior Computer Science electives
Major: MATH 125	3	MTH 288 or CSC 208	Students must earn an A or B in MTH 263, MTH 264, or MTH 288/CSC 208	Senior Major Electives	12	See catalog for full list of options.
Major: MATH 213	4	MTH 265		Computer Science-Related Courses	6	See catalog for list of options.
Major & Gen Ed: Oral Comm: COMM 100 or COMM 101	3	CST 100 or CST 110		Upper- Level General Elective	0-2	See Advisor for options.
General Elective/Prerequisite: MATH 105	0-5	MTH 167	Prerequisite; complete as needed			
Major: Natural Science	0-4	BIO 101, BIO 102, CHM 101, ENV 121, ENV 122, GOL 105, GOL 106, GOL 111, PHY 100, PHY 241, or PHY 242	See VCCS advisor. Students who do not need pre-calculus can select a third natural science course. 12 total credits of approved lab science are required and must include a two-course sequence. The remaining natural science course must be in a different subject than the science sequence.			
Major Requirement: MATH 203	0-3	MTH 266	See VCCS advisor. Students who do not need pre-calculus can select MTH 266: Linear Algebra as needed to complete their AS requirements.			
CREDITS PRE-TRANSFER: 60-63				CREDITS POST-TRANSFER: 61-65		

TRANSFER GUIDANCE

Transfer Admission Requirements: Computer Science

- Applicants must present the equivalent of ONE of the following CS courses with a grade of A or B: CS 112 Intro to Computer Programming or CS 211 Object-Oriented Programming.
- Applicants must present the equivalent of ONE of the following MATH courses with a grade of A or B: MATH 113 Calculus I, MATH 114 Calculus II, or MATH 125 Discrete Mathematics. MTH 263 and MTH 264 are the VCCS equivalents of MATH 113 and MATH 114, respectively. MTH 288 or CSC 208 are the VCCS equivalents for MATH 125.
- 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](#).
- 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?

- Students should prioritize the completion of as much mathematics coursework as possible prior to transfer.
- 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 within your first year. College connect available in your account at www.TransferVirginia.org

IS THIS DEGREE RIGHT FOR ME?

- **Accelerated Masters:** students may dual-count up to four graduate level courses, which will apply to both the BS CS and MS CS.
- Coursework is generally in person, on weekdays from 7:20 am to 4:30pm.

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

WHAT CAN I DO WITH THIS DEGREE?

Explore possible careers, salaries, and job outlook at: TransferVA.org

PROGRAM SUCCESSES & HIGHLIGHTS

- The BS CS program is ABET accredited.
- The department has over 70 faculty with wide coverage of cutting-edge emerging topics.

DO MORE WITH YOUR DEGREE!

- This program leads directly into the MS Computer Science, MS Software Engineering, MS Information Security and Assurance, and MS Information Systems programs. For program admission requirements, visit the catalog at <https://catalog.gmu.edu/programs/>
- This program prepares students for a wide variety of programming, computing, and software engineering careers.

OTHER THAN CLASSES, ARE THERE OTHER PROGRAM REQUIREMENTS?

There are no required internships or capstone projects, though many students opt to do one or both as part of their college experience.