

Hollins University Bachelor of Science in Mathematics with Data Science Concentration

TRANSFER GUIDE
Catalog Years: 2024-2025

Associate Transfer Degree Plan in Mathematics

COURSE REQUIREMENTS

Complete at VCCS				Complete at Hollins		
BACHELOR'S DEGREE REQUIREMENT	SATISFIED BY		Notes	BACHELOR'S DEGREE REQUIREMENT	Credits	Notes
Course	Credits	CC Course		Course		
First-Year Foundations	1-2	SDV 100 College Success Skills or 101 Orientation		MATH 290	2	Independent study to learn computer algebra software – consult with department chair to take in fall of first year at Hollins.
First Year Foundations	3	ENG 111 College Comp I		MATH 246	2	Offered in the spring most years (recommended to take in spring of your first year at Hollins)
Inquiry & Communication	3	ENG 112 College Comp II or ENG 113 Technical-Professional Writing		MATH 310	2	Offered in the fall most years (recommended to take your first fall at Hollins)
Creativity & Innovation	3	Any UCGS Art or Humanities	These two courses must come from two different clusters.	MATH 3xx: algebra course	2	
Storytelling, Myths & Narratives	3	Any UCGS Art, Humanities, or Literature		MATH 3xx: analysis course	2	
Diversity, Justice, and Power	3	SOC 200, SOC 211, or SOC 268		MATH 471	2	Taken fall of senior year
Storytelling, Myths & Narratives	3	Any UCGS History	History satisfies the same general education requirement as Art, Humanities, and Literature. The credits earned still apply toward the degree.	MATH 490/MATH 480/MATH 472	2-4	Consult your advisor to decide which.
Thinking Like a Scientist	4	BIO 101, BIO 102, CHM 111 or CHM 112		CMPS 335	2	
MATH 241	4	MTH 263 Calc I		CMPS 260	4	Offered in spring

200-level lab science	4	PHY 201 or PHY 241		Two additional 2xx or 3xx in MATH, STAT, or CMPS	4-8	Consult your advisor to choose courses.
MATH 242	4	MTH 264 Calc II		One course with lab at or above 200 level from BIOL, CHEM, or PHYS	6	Consult your advisor to choose a course. Note this requirement may be completed at VCCS which moves these 6 credits to electives.
MATH 316	4	MTH 265 Calc III		CMPS 217	4	Offered each spring
MATH 255	3	MTH 266 Linear Alg.		Minor or Elective Opportunities	24-36	Consult your advisor Recommended options include Core courses that are a distinct element of an HU education: No Planet B (2 credits) Purpose (2 credits) Life Skills Toolkits (4 credits) Experiential Learning (credits vary) Conflict & Collaboration (P/F J-Term - 1st year course)
MATH 3xx elective	3	MTH 267 Diff Equations or MTH 288 Discrete Math				
CMPS 160	3	CSC 221 Intro to Problem Solving & Programming				
STAT 251	3	MTH 245 Statistics				
	8-11	Math prerequisites (MTH 161 PreCalculus I / MTH 162 PreCalculus II, MTH 167 PreCalculus with Trigonometry), or transfer level course				
CREDITS PRE-TRANSFER: 60-62				CREDITS POST-TRANSFER: 78-80		
** The B.S degree is 140 credits, and Hollins University employs a 4-credit system for most classes. 80 credits is 20 courses on average.						

TRANSFER GUIDANCE

Guaranteed Admission Agreement

By meeting the following criteria, you are guaranteed admission to Hollins University:

- Virginia Community College students (VCCS) graduating from transfer-oriented degree programs with a cumulative GPA of 2.5 or higher on a four-point scale are **guaranteed admission**.
- A GPA of 2.5 or higher on all college-level work is recommended for all students seeking to transfer to Hollins University.
- This policy applies for all undergraduate majors. All students declare a major after they arrive at Hollins.

Program Specific Benefits

By meeting the indicated criteria in addition to the GAA, students in this program receive the listed benefits:

- You will be all set to graduate in two years!
- You will receive a faculty advisor from day one.

IMPORTANT LINKS & DATES:

- Hollins University Transfer Information: <https://www.hollins.edu/admission-aid/transfer-students/>
- Register Intent to Transfer: through College Connect at www.TransferVirginia.org
- Admission Application: Preferred admission deadlines: February 1 for fall term or November 15 for spring term matriculation; apply at <https://admissions.hollins.edu/apply/>
- Financial Aid: <https://www.hollins.edu/admission-aid/undergraduate-financial-aid-scholarships/>
- FAFSA - Free Application for Federal Student Aid: Apply at studentaid.gov

WHAT SHOULD I CONSIDER WHEN SELECTING COURSES?

- 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 and your transfer counselor (transfer@hollins.edu) at Hollins University if you have questions regarding your transfer pathway. College Connect is available in your account at www.TransferVirginia.org
- You should take the MATH 290 independent study to learn Maple, a computer algebra system your first semester. Your advisor can help you set this up.

IS THIS DEGREE RIGHT FOR ME?

- There is possibly room to do a double major or you can add on a couple of minors if you are interested in other areas! Your advisor can help you navigate this.
- Earning your major in mathematics at Hollins has both intrinsic beauty and wide applicability. It strengthens critical thinking and analytical problem-solving skills. Combining courses from

mathematics, computer science, and statistics, the data science concentration prepares students for a wide variety of jobs, not only in the tech sector but in virtually every sector.

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

- **Associate Transfer Degree Completion:** Fulfills all Hollins general education requirements. Courses listed above satisfy Hollins major requirements.
- **Dual Enrollment – Completion of Associate Degree in HS:** Dual enrollment courses may count toward general education requirements. Completion of an Associate Degree through dual enrollment does not automatically satisfy all general education requirements at Hollins, but all dual enrollment courses will be considered on an individual basis. Students who have not completed college credits after completing their high school degree must take Core 101: First-year Foundations and Core 102: Conflict and Collaboration at Hollins.
- **Credit for Prior Learning:** Credit for prior learning, including CLEP examinations and AP and IB test scores will be evaluated on a case-by-case basis for Hollins credit. Visit www.transfervirginia.org "Check All My Credits" to see how your prior learning will earn credit.)
- **Catalog Year:** Transfer students follow the requirements in the catalog year that they first enter Hollins but may elect to move to a later catalog if they wish.
- **Total Credits:** Typical semester courses at Hollins carry 4 credits, rather than 3 credits. This explains why credits completed at Hollins may be higher than those completed at the community college. This does not increase the number of courses required, nor the cost. For full-time students, Hollins bills per semester, not per credit. Typically, full time students take 16 to 20 credits at Hollins in one semester.

IS THIS COLLEGE RIGHT FOR ME?

- Known for its creative and highly engaged student body, Hollins University prides itself on its nationally recognized and award-winning undergraduate and graduate academic programs, its deeply committed alumnae/i network, its extraordinarily beautiful campus surrounded by the Blue Ridge Mountains, and its unique ability to ensure that each of its students can design a transformational college experience. Hollins is a small, close-knit community with fewer than 1,000 students, focused on holistic support for each student. The average class size is 12, and only women are admitted as undergraduate students. On-campus housing is guaranteed for undergraduates, and a scholarship of at least \$20,000 is guaranteed for transfer students. A \$2,000 scholarship is available for Phi Theta Kappa members. Top majors for transfer students include business, psychology and biology but all programs welcome transfer students. Hollins offers a 5-year Master of Arts in Teaching (MAT) program and offers a renowned English and creative writing program. We are a small community with big outcomes for students; more than 90% of recent graduates are employed or in graduate school within one year of graduation.
- Learn more about our college at www.TransferVirginia.org - Transfer Partners

DID YOU KNOW THAT...

- 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 Hollins University?

WHAT CAN I DO WITH THIS DEGREE?

- Students apply mathematics to many fields. Majors earn graduate school placements in mathematics, forensic science, medicine, and law. Hollins majors have gone into many diverse fields including: accountants; actuaries; art historians; archeologists; data scientists; defense analysts; doctors; economists; financial planners; investment analysts; programmers; quantitative analysts; and statisticians.
- Explore possible careers, salaries, and job outlook at www.TransferVirginia.org

PROGRAM SUCCESSES & HIGHLIGHTS

- Hollins mathematic majors take a two-semester Senior Seminar where they pick a topic and research it, under the guidance of faculty mentors. Some past topics include: the Pythagorean music scales; a network analysis of the Hollins basketball team; using data science techniques to analyze financial markets; bias in facial recognition; and hidden Markov model and stock price prediction.

WHAT ARE MY CHANCES FOR GETTING ACCEPTED?

- 89% of applicants applying for the fall 2022 cohort were admitted to Hollins University.
- Learn more about applying at www.TransferVirginia.org and <https://www.hollins.edu/admission-aid/transfer-students/>

DO MORE WITH YOUR DEGREE!

- 90% of recent graduates were employed, in graduate school or engaged in service within six months of graduation.
- Consider a minor or certificate that complements your major and extends your learning. See the complete list of offerings at www.hollins.edu/majors-and-minors (?)
- Our majors often study abroad and complete multiple internships during their time at Hollins.

OTHER THAN CLASSES, ARE THERE OTHER PROGRAM REQUIREMENTS?

- All Hollins students, other than Horizon students, complete two half-semester physical activity classes not for credit. Varsity athletes may count a sport for one of these requirements.
- Hollins courses are primarily taught on campus during the traditional workday.