

# Randolph-Macon College Bachelor of Science in Mathematics

## Associate Transfer Degree Plan in Mathematics

### COURSE REQUIREMENTS

Complete at VCCS				Complete at Randolph-Macon College		
BACHELOR'S DEGREE REQUIREMENT		SATISFIED BY		BACHELOR'S DEGREE REQUIREMENT		
Course	Credits	CC Course	Notes	Course	Credits	Notes
Not applicable	1-2	SDV 100 or 101	Not applicable	Diversity & Inclusion	3	
ENGL 185	3	ENG 111	Required of all RMC students	Non-Western Culture	3	
ENGL 010 (general elective) or WRIT 040 (upper-level)	3	ENG 112 or 113	Applies as an elective to the College's requirement of 120 hours of total course credit to graduate.	Experiential Learning	3	
Equivalency dependent on selected course	3	Any UCGS Humanities or Fine Arts	Completion of these requirements through the GAA will satisfy the Pillar requirements at RMC. We encourage students to refer to the <a href="#">equivalency guide</a> and among AA/AS courses select courses which meet the following RMC designations:	Capstone	1	MATH 415 fulfills this requirement.
Equivalency dependent on selected course	3	Any UCGS Humanities, Fine Arts, or Lit		Communication in Context course	3	Not required if transferring under the GAA.
Equivalency dependent on selected course	3	Any UCGS History		Wellness	0	
Equivalency dependent on selected course	3	Any UCGS Social & Behavioral Science		MATH 215	1	
Equivalency dependent on selected course	4	Any UCGS Lab Science		MATH 321	3	
MATH 131	4	MTH 263 Calc I	Aesthetic Expression Civic Life Global Experiences Human Condition Quantitative/ Symbolic Reasoning Scientific Process	MATH 421	3	
Equivalency dependent on selected course	3-4	Any UCGS approved transfer course	Students may wish to take MTH 167 if needed before calculus	Select up to five approved MATH or APMA electives above 200-level not already taken	12-15	PHYS 250 Mathematical Physics or CSCI 363 Theory of Computation may also be counted as an elective.

Foreign Language Requirement	3-4	Language I	Select the first course of a two-semester language sequence.	Other Electives to reach a total of 120 credits	25-28	Elective hours can also be used to complete a minor and/or a second major in a different discipline. For more details about available major and minor programs, see the College's <a href="#">Course Catalog</a> .
Foreign Language Requirement	3-4	Language II	Select the second course of a two-semester language sequence.			
Oral Communication	3	CST 100 or 110	Select a course for oral communication. Not required if transferring under the GAA.			
CSCI 111	4	CSC 221				
MATH 132	4	MTH 264 Calc II				
MATH 203	4	MTH 265 Calc III				
MATH 213	3	MTH 266 Linear Alg				
MATH 220	3	MTH 288 Discr Math				
MATH 307 or MATH 372	3	MTH 267 Diff Eqns or MTH 283 Probability & Statistics				
CREDITS PRE-TRANSFER: 60				CREDITS POST-TRANSFER: 60		

## TRANSFER GUIDANCE

### Guaranteed Admission Agreement: Randolph-Macon College

**This agreement does not guarantee your enrollment in any specific major.**

**By meeting the following criteria, you are guaranteed admission into Randolph-Macon College.**

- Transfer-oriented associate degrees include the Associate of Arts (AA), the Associate of Science (AS), and the Associate of Arts & Sciences (AA&S) degrees identified by the State Council of Higher Education for Virginia (SCHEV) as university-parallel transfer degrees.
- A minimum cumulative GPA of 2.50 or higher for credits earned at the degree-granting institution is required.
- Students are required to earn a C or higher in each community college course applicable to the transfer degree from a VCCS institution.
- Students must meet all requirements to earn a transfer associate degree as determined by their VCCS institution, including a minimum of 60 credits. Additionally, students who were previously enrolled at RMC and transferred back to a VCCS college to complete the transfer-oriented associate degree are not eligible for participation in the GAA.

- A student may receive a maximum of 75 semester hours through transfer work from two-year and four-year institutions and/or credit-by-examination (e.g., Advanced Placement or International Baccalaureate). Additionally, no more than one-half of a student's major or minor coursework may be completed through transfer credit; at least one-half of the semester hours of the major or minor must be taken at Randolph-Macon.
- Students may register their intent to transfer through the Transfer Virginia portal or by contacting the RMC Office of Admissions. Students should have completed at least 45 college credits prior to registering their intent. Notification is recommended but not required.

Please visit the [www.TransferVirginia.org](http://www.TransferVirginia.org) portal to find course requirements for different majors (Transfer Tools) and **Transfer Guides** that outline course requirements for specific majors. (Resource Center)

### IMPORTANT LINKS & DATES:

- **University Transfer Center:** [www.rmc.edu/transfer](http://www.rmc.edu/transfer)

- **Register Intent to Transfer:** upon earning 45 college credits through College Connect at [www.TransferVirginia.org](http://www.TransferVirginia.org)
- **Admission Application:** By June 1 for fall admission and December 1 for spring admission at [www.rmc.edu/apply](http://www.rmc.edu/apply)
- **Financial Aid:** [www.rmc.edu/financialaid](http://www.rmc.edu/financialaid)
- **FAFSA - Free Application for Federal Student Aid:** February 1 for fall semester at [studentaid.gov](http://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](http://www.TransferVirginia.org)
- Connect with an advisor at your community college and Randolph-Macon College within your first year. College Connect available in your account of [www.TransferVirginia.org](http://www.TransferVirginia.org)

#### IS THIS DEGREE RIGHT FOR ME?

Mathematics is the language of the sciences, and the analytical tool of many disciplines. In its own right, mathematics is one of the finest inventions of civilization, demanding both creativity and rigor. At Randolph-Macon College, the mathematics curriculum is designed to serve a broad variety of interests. Courses in calculus, statistics, modeling, finite mathematics, and logic are available to all students and provide one of the cornerstones of a liberal arts education.

Students pursuing the mathematics major or minor are expected to gain an appreciation of mathematical rigor, the process whereby propositions are logically deduced from general premises. Such study should enable students to apply greater clarity and precision of thought to their future endeavors and promote higher order thinking and habits of mind suitable for effective problem-solving.

The curriculum includes courses in both theoretical and applied mathematics. Each student should be able to develop a course of study which will serve as the foundation for graduate work or for a career that requires well-developed analytical skills. A major in mathematics may lead to graduate study in many fields, e.g. mathematics, statistics, computer science, economics, or operations research. The program also provides excellent preparation for a career in law, medicine, business, or engineering.

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

- **Associate Transfer Degree Completion:** RMC divides its general education requirements into four sections: Effective Communication, The Pillars of the Liberal Arts, Cross-Area Requirements, and Wellness. Students admitted to RMC who meet the terms of this GAA will be granted junior status. Students will be considered as having fulfilled RMC's lower division general education requirements, with the following exclusions and exceptions:
  - Students must complete any additional foreign language coursework necessary to satisfy the Effective Communication requirement of two consecutive courses in a foreign language or completion of a foreign language through the intermediate level (212 or 215).
  - Students must complete the college's Cross-Area Requirements, most of which can be fulfilled through major programs and should not significantly increase the time to completion of degree. These requirements include one course that is designated as non-

western, one course that is attentive to diversity and inclusion, one course that is experiential in its delivery, and one course that fulfills the collegiate capstone requirement. When applicable, GAA students may apply courses taken for the VCCS transfer-oriented associate degree program to these remaining requirements.

- **Associate Degree Concurrent with High School:** This GAA is not applicable to students earning an associate degree concurrent with high school. High school students earning a concurrent associate degree will apply for admission consideration as a first-year student (not transfer student), and transfer credit will be reviewed on a course-by-course basis.
- **Credit for Prior Learning:** Students having earned credits through prior learning are still eligible for guaranteed admission. VCCS credit for courses completed through Advanced Placement, International Baccalaureate, Armed Services experiences, and other prior learning assessments will not automatically be eligible for individual transfer to RMC; such courses will be evaluated according to RMC's policy on credit-by-examination.
- **Catalog Year:** For students maintaining continuous enrollment, this entitlement will be in effect for a minimum of four years from the time of the student's first enrollment at the two-year institution. Students must enroll at the four-year institution within one year of completing their associate degree. Students must complete the degree requirements in effect at the time of their matriculation at RMC. GAA students may select an Academic Catalog from the two years prior to their matriculation, but this decision must be communicated to the Registrar's Office within the first semester of attendance at RMC.

#### IS THIS COLLEGE RIGHT FOR ME?

- Students enrolled at Randolph-Macon College attend classes primarily Monday-Friday between 8 am - 5 pm with very few evening courses.
- RMC is a residential college, and all students are generally required to live on campus. To learn more about the residential experience and policy for living off campus:
  - <https://www.rmc.edu/campus-life/housing-and-dining/housing/policy-for-living-off-campus/>
- The large majority of RMC coursework is offered in-person and on campus. A very limited selection of online courses is offered in summer sessions.
- Learn more about our college at [www.TransferVirginia.org](http://www.TransferVirginia.org)

#### 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 limited your future financial aid at RMC.
- If you apply as a traditional transfer and not through the intent to transfer under the GAA, you will be considered for admission with all other transfer applicants.
  - 60% of transfer applicants are accepted.
  - You have college experience, and that matters. We strive to make your transition to RMC as seamless as possible. In fact, we have been cited as a Phi Theta Kappa Honor Roll institution for our commitment to our transfer students.
- Learn more about applying at [www.TransferVirginia.org](http://www.TransferVirginia.org)

#### WHAT CAN I DO WITH THIS DEGREE?

Explore possible careers, salaries, and job outlook at [www.TransferVirginia.org](http://www.TransferVirginia.org)

#### **PROGRAM SUCCESSES & HIGHLIGHTS**

- Do guided mathematical research with a professor.
- Take our unique math travel course to Japan.
- Mathematics pairs well with Engineering, Physics, Computer Science, or Business.

#### **OTHER THAN CLASSES, ARE THERE OTHER PROGRAM REQUIREMENTS?**

- Students are required to complete a capstone experience in their senior year.
- No more than one half of the courses on a major or minor can be transferred; at least one-half of the semester hours of the major or minor must be taken at Randolph-Macon.