### TRANSFER GUIDE Catalog Years: 2023 - 2026

# Roanoke College Bachelor of Science in Mathematics Associate Transfer Degree Plan in Mathematics

# **COURSE REQUIREMENTS**

Roanoke College uses a unit-credit system. Courses carrying 3-4 credits at other colleges transfer to Roanoke as 1 unit. 33.5 RC units are needed for graduation

	(	Complete at VCCS	Complete at Roanoke College				
BACHELOR'S DEGREE REQUIREMENT		SATISFIED BY			BACHELOR'S DEGREE REQUIREMENT		
Course	RC Units	Credits	CC Course	Notes	Course	RC Units	Notes
Partial Elective		1-2	SDV 100 College Success Skills or 101 Orientation		World Language to complete 201	0-3	If not done at CC
INQ 110	1	3	ENG 111 College Comp I		Intensive Learning**	1	Completed during May Term
Elective	1	3	ENG 112 College Comp II or ENG 113 Technical- Professional Writing		INQ 300**	1	
INQ 120	1	3	PHI 100 or PHI 220		HHP 160	0.25	
INQ 270**	1	3	Any UCGS History from pre-1500 CE		HHP Activity Course	0.25	
INQ 271**	1	3	Any UCGS Art or Lit from post-1500 CE		Math 268 or 278	1	
INQ 260 (social science)	2	6	Two UCGS Social or Behavioral Sciences from different disciplines		One of Math 361, 381	1	
INQ 250 (lab science)	1	4	BIO 101, CHM 111, PHY 241, GOL 105, GOL 106, or GOL 110		Math 491	1	
INQ 241	1	4	MTH 263 Calculus I		Math electives	2	
Foreign Language	0-3	UA	World Language (not ASL) through 201		Take <b>two</b> of the following courses:	2	See below to decide which two you still need (each is 1 RC unit)
Math 122	1	4	MTH 264 Calc II		Math 131		If MTH 288 or CSC 208 not taken, must take Math 131 your first semester at Roanoke College to graduate in two years
Math 321	1	4	MTH 265 Calc III		Math 201		If MTH 266 not taken

Math 201 = MTH 266 Math 331 = MTH 267 Math 131 = MTH 288 or CSC 208	2	6	Take two of: MTH 266 Linear Alg, MTH 267 Diff Equations, MTH 288 Discrete Math, or CSC 208 Intro Discrete Structures I	Highly recommended to take MTH 288 or CSC 208, but students cannot receive credit for both CSC 208 and MTH 288 All these courses fulfill requirements for the RC math major	CS 120		If CSC 221 not taken
CS 120 = CSC 221 Stat 210 = MTH 245 Stat 301 = MTH 283	2	6	Take two of: CSC 221 Intro to Problem Solving & Programming, MTH 245 Statistics, MTH 283 Probability & Statistics, or Additional Math course from previous block	All these courses fulfill requirements for the RC math major	Stat 210		If MTH 245 not taken
To reach 60 credits	0-3	0-11	Additional MTH if prerequisites needed to reach calculus, or other college requirements.		Math elective(s)		If took more than 2 of MTH 245, MTH 266, CSC 221, and either MTH 288 or CSC 208
					Electives to reach 17.5 RC units	5-8	Note: this will be satisfied if you take a normal class load each of your 4 semesters at Roanoke College
	CRED	ITS PRE-TRANSFER: 60-63	RC UNITS POST-TRANSFER: 17.5 (standard course load for 2 years)				
					**Global Requirement: One course satisfying any requirement, focused on global issues or a non-Western culture; complete at VCCS or RC		

## **TRANSFER GUIDANCE**

**Guaranteed Admission Agreement**. Students with a minimum 2.5 GPA in transferable courses from a Virginia Community College are guaranteed admission to Roanoke College and to all major programs at the college. Students must be in good standing with their prior institution for both academics and conduct.

Students with GPAs 2.2-2.5 are encouraged to apply. We always review individual cases.

Students are welcome to consider transfer prior to completion of all requirements shown as "Complete at Community College" and can discuss what additional Roanoke College courses will be needed to complete their degree. They can also discuss using a reverse transfer to complete their Associate Degree if desired. Earlier transfer allows earlier access to additional opportunities at Roanoke College such as study away and experiential learning.

#### **IMPORTANT LINKS & DATES:**

- Transfer Info, Application & Financial Ad Information: www.roanoke.edu/transfer
- Admission Application: By May 15 for Fall start at <u>www.roanoke.edu/transfer</u>. Later applications may be considered. By November 15 for Spring start.
- Early Admission Application and Deposit: By March 1 to register for Fall courses with continuing students and get best course and residence hall selection.
- **FAFSA** Free Application for Federal Student Aid: For highest aid, submit by March 1. See <a href="https://studentaid.gov">https://studentaid.gov</a>.

#### WHAT SHOULD I CONSIDER WHEN SELECTING COURSES?

- If you aren't ready for calculus or higher levels of math, take pre-calculus to prepare.
- Take world language at community college if you are not already proficient. Roanoke College's foreign language requirement is through the 201 level. If you are starting a new language, that will require 3 semesters. Placement based upon high school study will reduce this. The requirement is waived for native speakers of languages other than English. ASL is not accepted.
- Create a schedule for all required courses, pay attention to prerequisites and when courses are offered, and complete your first math and English courses in your first year.
- Taking MTH 288 or CSC 208 will make finishing your math major at Roanoke College much easier.
- Connect with an advisor at your community college and Roanoke College within your first year. College Connect is available in your account of <u>www.TransferVirginia.org</u>

#### IS THIS DEGREE RIGHT FOR ME?

- The math major builds skills in logical thinking, data analysis, statistics, and problem solving.
- Students are prepared for a broad range of careers including data analysis, cryptography, education, and actuary science.

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

- Associate Transfer Degree Completion: Not required, but good academic preparation.
- Dual Enrollment Completion of Associate Degree in HS: Dual enrollment courses transfer to Roanoke College.
- Credit for Prior Learning: All prior work for credit must be on an official transcript from an accredited institution or from AP or IB score reports sent to Roanoke College. See <a href="https://admapp.roanoke.edu/vcc">https://admapp.roanoke.edu/vcc</a> for a list of VCC course equivalencies.

#### IS THIS COLLEGE RIGHT FOR ME?

- Enjoy small classes. Receive great advising. Get to know your instructors and other students.
- Commute or live on campus. Career services. Clubs and activities. Seventeen percent of transfer students play Division III sports.
- Most classes are 8 am-5 pm. All classes are in-person except for summer school.

#### DID YOU KNOW THAT...

- Completing your Associate transfer degree 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 any four-year school.

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

Explore possible careers, salaries, and job outlook at www.TransferVirginia.org

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

- Jobs in the College's IT department provide income and great experiences that prepare students to step directly into jobs upon graduation
- Option to add a Statistics Concentration which provides highly sought after data analysis skills

#### WHAT ARE MY CHANCES FOR GETTING ACCEPTED?

• Over 60% of transfer applicants are accepted.

#### DO MORE WITH YOUR DEGREE!

- Complete internships or research
- Pair with work in actuarial science, business, computer science, data science, engineering, physics, or statistics

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

• No, lots of opportunities, but no additional requiremen