

Pathway

Virginia Western Community College Associate of Science in Science: Biotechnology Major to Roanoke College Bachelor of Science: Biotechnology

Based on degree requirements for the 2025-26 academic year

VWCC Associate of Science in Science: Biotechnology			
Fall Semester		Spring Semester	
First Year	Cr	First Year	Cr
SDV 101	2	BIO 250 (Roanoke College-BTEC 250)	3
ENG 111	3	BIO 253 (Roanoke College-BTEC 253)	3
MTH 161	3	ENG 112	3
BIO 101 (Roanoke College-BIOL 190)	4	BIO 255 (Roanoke College-BTEC 255)	2
ITE 152	3	BIO 150 (Roanoke College-BIOL 325)	4
	15		15
Second Year	Cr	Second Year	Cr
CHM 111 (Roanoke College-CHEM 111)	4	CHM 112 (Roanoke College-Chem 112)	4
BIO 252/BIO 251 (Roanoke College-BIOL 400)	4	HIS 121	3
MTH 245	3	PHI 220	3
Social Science ELE- Social Science Elective	3	ENG LIT ELE- Literature Elective	3
BIO 220 (Roanoke College-BIO 370)	3	CSC 221 Intro to Programming	3
	17		16

Roanoke College Bachelor of Science, Biotechnology			
Third Year	Units	Third Year	Units
CHEM 221	1	BTEC 315	1
INQ 260 or 270G	1	INQ 270G or 260 (whichever one not taken in fall)	1
LANG 101	1	LANG 102	1
Elective	1	Elective	1
		HHP 160	0.25
	4		4.25
Fourth Year	Units	Fourth Year	Units
PHYS 102/ 103	1	BTEC 415	0.5
INQ 300	1	Elective	1
LANG 201	1	Elective	1
HHP activity	0.25		
Elective or BTEC 406 or 416 (Research or Internship) if not taken in spring (1 unit required, more recommended)	1	Elective or BTEC 406, 416, or 496 (Research or Internship) if not taken in the fall (1 unit required, more recommended)	1
	4.25		3.5

Notes

In accordance with the State Policy on Transfer, students who transfer to Roanoke College from a Virginia Community College will have satisfied all but three of Roanoke College's General Education requirements **if they have earned an Associate of Arts, Associate of Science, or Associate of Arts and Science degree**; if they are able to earn such a degree by successfully completing at a Virginia Community College courses remaining for the degree concurrently with the first semester of enrollment at Roanoke College or if they will earn the associate's degree as a result of credit earned during the first semester of enrollment at Roanoke College.

Students must complete at least 33.5 academic units to earn a Bachelor of Science degree; of these at least half must be completed at Roanoke College, including at least half of the units in the major. Students pursuing a Science must maintain at least a 2.0 major GPA. Additional Information is available in the Roanoke College Undergraduate Catalog. Additional Information about transferring to Roanoke College is available from the Office of Admissions. **For any course to count for transfer, it must be completed with a grade of "C" or higher.**

Course requirements, names and numbering are subject to annual review to ensure compliance with any changes at either institution.

Transfer equivalencies for General Education requirements at Roanoke College

INQ 110 = ENG 111

INQ 120 = PHI 220

INQ 240 = MTH 245

INQ 241/251 = MTH 161 (or CHM 112 or BIOL 101)

INQ 250 = CHM 111 (or CHM 112 or BIOL 101)

INQ 260 = "Social Science Elective" at VWCC, cannot be HIS

INQ 260 = to be completed at Roanoke College

INQ 270 = to be completed at Roanoke College (recommended to take section labeled "global")

INQ 271 = HIS 121

INQ 300 = to be completed at Roanoke College

Language through 201 = to be completed at Roanoke College

Health and Human Performance (HHP) 160 and activity = to be completed at Roanoke College

May Intensive Term = to be completed at Roanoke College (recommended after third year)

Recommended Elective Courses for third and fourth year at Roanoke College

CHEM 255 Quantitative Chemical Analysis (note that this is a 0.5 unit course)

CHEM 222 and CHEM 350 Organic Chemistry II and Instrumental Analysis

COMM 220 Public Speaking

BUAD 110 Business Connections

BUAD 205 Accounting for Decision Making

Second unit of Research/Internship


BIOL 400 Molecular Biology*

Terms of Agreement: The Agreement, which will be implemented beginning in Fall 2025, will be annually reviewed, and revised as appropriate, beginning in Fall 2026. Course requirements, names and numbering are subject to annual review to ensure compliance with any changes at either institution.

The undersigned have reviewed and agreed that James Madison University (JMU) and Virginia Western Community College (VWCC) should enter into this Articulation Agreement.

Agreed by the parties on the _____ day of _____ 2025.


Virginia Western Community College



Dr. Laura Freeman
President

Virginia Western Community College

Roanoke College



Dr. Frank Shushok Jr.
President

Roanoke College