

Biological Science

Degree Type

Associate of Science

This program is not currently accepting students. Please see [Liberal Arts: Science Concentration](#)

The Associate of Science (A.S.) in Biological Science will provide a pathway of transfer for students who wish to pursue baccalaureate studies in the biological sciences while offering them a mathematics and science background that allows for a variety of career opportunities in the related fields. Upon graduation with an Associate of Science degree in Biological Science, RVCC students will be prepared to enter the workforce in positions such as laboratory and field technicians. Students who participate in the program will learn to think critically, reason logically, appreciate the nature and practice of science, and understand and evaluate quantitative and qualitative research.

Built on a cohesive program of study that stresses the connections between STEM majors (science, technology, engineering, and mathematics), the program design is based upon national standards for majors in Biological Science. It includes rigorous and diverse curriculum, accomplished faculty, and many learning supports for students. Some additional highlights of the program include: biomedical research and biomedical technology embedded into several of the core biological science laboratory curricula; "Science talks" seminars presented by active scientists; Science Club run by the Biological science students and faculty; extracurricular opportunities/trips to increase exposure to the scientific community; and an active research laboratory.

The Associate of Science in Biological Science emulates the first two years of a four-year college and university degree. All students are required to take at least 60-62 credits to complete the degree of Associate in Science. Of these credits, 24-25 are general education requirements, and an additional 36 are specific to major requirements.

The suggested course sequence for this degree is listed below.

NOTES

* After successful completion of Statistic 1 and Calculus 1, students have completed the math requirements for the biological sciences degree. Students who do not need to take Functions and Modeling must ensure they accumulate other credits to satisfy college degree requirements

** All numbered courses listed for this degree have co/prerequisites. See course descriptions for requirements.

***If you have transferred in 3-credit classes, you may need to take an additional course in order to satisfy the 60-credit degree minimum. Please consult with your advisor.

	Total Credits	60-62
Course Sequencing		

First Year: Fall Semester

Item #	Title	Credits
BIOL102R	Biology II: Adaptation, Evolution and Ecosystems	4
CHEM140R	Chemistry I	4
MATH110R	Functions & Modeling I	4
ENGL102R	College Composition	3-4

First Year: Spring Semester

Item #	Title	Credits
BIOL101R	Biology I: Chemical and Cellular Basis of Life	4
CHEM141R	Chemistry II	4
MATH120R	Functions & Modeling II	4
	English/Humanities/Fine Arts/World Language/Science/ Mathematics or Social Science Elective	3-4

Second Year: Fall Semester

Item #	Title	Credits
MATH210R	Calculus I	4
MATH106R	Statistics I	4
	Biological Science (200-level) Elective	4
	Humanities/Fine Arts/World Language Elective	3

Second Year: Spring Semester

Item #	Title	Credits
BIOL205R	Microbiology	4
	Biological Science (200-level) or Math Elective	4
	Open Elective	3-4
	Social Science Elective	3