



## GENERAL SCIENCE - BIOLOGICAL SCIENCE TRACK

Study how living things work

“I love biology and the instructors at KVCC only made my love for it grow. The faculty care so much, and they make sure you learn what you are supposed to.

When I left KVCC to study for my bachelor's, I missed the quality and rigor at KVCC.”

For many students, KVCC is just the first step in their educational journey. Students who finish their associate degree at a community college have a far greater chance of finishing their bachelor's degree at a four-year college or university than students who sample only a few classes. The General Science-Biological Science program provides an ideal way to both save money and get a strong start to becoming a biologist, medical doctor, veterinarian, or physical assistant.

### What Biological Science graduates do:

|                 |                              |                     |
|-----------------|------------------------------|---------------------|
| Analyze data    | Continue as a higher student | Work in teams       |
| Collect data    | Assist lab researchers       | Develop experiments |
| Process samples | Provide technical assistance | Run lab tests       |

### Students learn:

|              |                |                      |
|--------------|----------------|----------------------|
| Cell biology | Chemistry      | Experimentation      |
| Mathematics  | Data analysis  | Laboratory practices |
| Ecology      | Marine biology | Microbiology         |
| Physiology   | Anatomy        | Professional writing |

### Biological Science graduates work/enter in:

|                           |                       |
|---------------------------|-----------------------|
| Colleges and universities | Start-up companies    |
| Research labs             | Governmental agencies |
| Research institutes       | Field stations        |



### Program entry requirements:

To see the entrance requirements for this program, please view the pages ahead, and visit [www.kvcc.me.edu/prereq](http://www.kvcc.me.edu/prereq)

For further questions about the program, please contact Kathy Englehart at:

[bio@kvcc.me.edu](mailto:bio@kvcc.me.edu)

or go to:

[www.kvcc.me.edu/bio](http://www.kvcc.me.edu/bio)



## GENERAL SCIENCE - Biology Option

| Course #                                  | Course Title                              | Credits      | Prerequisites (Co-requisites)  |
|---|---|--------------|--|
| <b><u>Associate in Science Degree</u></b> |   |              |  |
| <b><u>FIRST SEMESTER</u></b>              |   |              |  |
| __ __                                     | BIO101 Biology I .....                    | 4            | See below  |
| __ __                                     | FYE125 First Year Seminar.....            | 1            |  |
| __ __                                     | CHE112 General Chemistry I.....           | 4            | (MAT117 or equivalent mathematical aptitude)   |
| __ __                                     | ENG101 College Composition .....          | 3            | Min. Accuplacer writing score of 74  |
| __ __                                     | MAT117 College Algebra .....              | 3            | High school algebra, min. Accuplacer algebra score of 75, or successful completion of MAT031 |
| <b><u>SECOND SEMESTER</u></b>             |   |              |  |
| __ __                                     | BIO102 Biology II.....                    | 4            | Minimum grade of "C" in BIO101   |
| __ __                                     | CHE115 General Chemistry II.....          | 4            | Minimum grade of "C" in CHE112   |
| __ __                                     | COM104 Introduction to Communication OR   |              |  |
| __ __                                     | COM105 Interpersonal Communication.....   | 3            |  |
| __ __                                     | CPT117 Software Applications I.....       | 3            | Computer ACCUPLACER score of 76 or greater, CPT018, or permission of instructor              |
| __ __                                     | PSY101 Introduction to Psychology .....   | 3            |  |
| <b><u>THIRD SEMESTER</u></b>              |   |              |  |
| __ __                                     | BIO219 Microbiology.....                  | 4            | BIO101 or BIO213   |
| __ __                                     | ENG218 Advanced Technical Writing.....    | 3            | A grade of "C" or higher in ENG101 or ENG108   |
| __ __                                     | MAT226 Precalculus .....                  | 4            | Minimum grade of "C" in MAT117   |
| __ __                                     | _____ 200 Level Science Elective.....     | 3/4          |  |
| __ __                                     | _____ Fine Arts or Language Elective..... | 3            |  |
| <b><u>FOURTH SEMESTER</u></b>             |   |              |  |
| __ __                                     | MAT227 Calculus I .....                   | 4            | MAT218 or MAT226   |
| __ __                                     | _____ 200 Level Science Elective.....     | 3/4          |  |
| __ __                                     | _____ General Education Elective.....     | 3            |  |
| __ __                                     | _____ Humanities Elective .....           | 3            |  |
| __ __                                     | _____ Social Sciences Elective .....      | 3            |  |
| <b>TOTAL CREDITS .....</b>                |   | <b>65-67</b> |  |

BIO101 prerequisite: Successful completion of a high school or adult education biology (within the past 5 years), satisfactory performance on the departmental placement test, or permission of instructor.

### Criteria for Graduation

Students must complete 65-67 credits in the General Science degree - Biology option and achieve a minimum grade of "C" in all courses. Students must attain a final GPA of 2.0 or higher.