

BIOLOGICAL SCIENCES MINOR

For Computer Science Majors interested in

COMPUTATIONAL BIOLOGY & BIOINFORMATICS

Computer science majors interested in graduate studies or a career in computational biology and bioinformatics (CBB) often do a minor in biological sciences. The requirements for the minor in biological sciences can be found on the reverse side of this page and are also available at <http://www.biology.vt.edu/undergraduate/minors.html>. Students should contact the Biological Sciences Undergraduate Office in 2089 Derring for details. However, the following additional guidance is provided for computer science majors interested in the minor.

1. It is recommended that CS majors interested in CBB request substitution approval from the Biological Sciences Department to take both BIOL 2004 (Genetics) and BIOL 2104 (Cell and Molecular Biology) rather than one course from Group 1 and one from Group 2, as normally required for the minor. BIOL 2004 has CHEM 1036,46 as prerequisites. BIOL 2104 has CHEM 1036 as prerequisite. (Note: the Department of Biological Sciences has approved this substitution for CS majors through 2011).
2. For CS majors interested in CBB, good choices for the biology electives required for the biological sciences minor are BIOL 3774/4774 (Molecular Bio and Lab) and BIOL 4134 (Evolutionary Genetics).

Biology Minor Requirements

<http://www.biology.vt.edu/undergraduate/minors.html>

1. Earn a grade of "C" (2.0) or better in each of the following courses:

LECTURE SEQUENCES (Choose one sequence):

BIOL 1005 and BIOL 1006 General Biology

OR

BIOL 1105 and BIOL 1106 Principles of Biology

PLUS

LAB SEQUENCES (Choose one sequence):

BIOL 1015 and 1016 General Biology Lab

OR

BIOL 1115 and 1116 Principles of Biology Lab

OR

BIOL 1125 and 1126 Biological Principles Lab

2. Successfully complete one course from each group:

Group 1

BIOL 2004 Genetics

BIOL 2104 Cell and Molecular Biology

Group 2

BIOL 2804 Ecology

BIOL 2704 Evolutionary Biology

3. Successfully complete two Biological Sciences electives (3000 level or higher, at least 7 credit hours--**one** with inclusive or linked lab)
4. Earn an in-minor GPA of 2.0000 or better. The in-minor GPA is computed using all Biological Sciences courses taken at Virginia Tech.

Please contact the Department of Biological Sciences in 2089 Derring to confirm that these requirements are accurate for the year in which you plan to graduate.