

BIOLOGY

Associate of Science degree



Program and Career Description:

The Biology emphasis is a two-year program for students planning to complete a bachelor's degree in biology or a related discipline such as microbiology, genetics, biotechnology, and ecology. Students pursuing careers in biological research, science education, and wildlife management should consider this degree.

Career	Beginning Salary with BS degree	Experienced Salary Median
Biological Scientist	\$38,740	\$66,560
Biological Technicians	\$25,680	\$33,740
Biological Science Teacher	\$29,850	\$52,480

Career and salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities for these careers. Salaries are not guaranteed.

Transfer Options

This program is a Tennessee Transfer Pathway (TTP) major. A student who completes the associates degree in this major is guaranteed that all required community college courses will be accepted in this major at the transfer institution. To see which four-year institutions offer this TTP major and guarantees a seamless transfer, visit the Tennessee Transfer Pathway website at www.tntransferpathway.org.

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.



BIOLOGY

Major in Tennessee Transfer Pathway with Emphasis in Biology (A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)

HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2440
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030
Literature Options: ENGL 2130, 2230, 2310, 2320, 2920

Natural Sciences Requirement

BIOL 1110, 1120

Mathematics Requirement

MATH 1910

Social/Behavioral Sciences (Take 2 courses)

ANTH 1200, 1300
COMM 1010
ECON 2010, 2020
GEOG 2010
PHED 2120
POL 201
POLS 1030, 1501, 2010
PSYC 1030, 2130
SOC 1010, 1020, 2010

Major Required Courses

CHEM 1110, 1120, 2010, 2020**
MATH 1530 or MATH 1920*
COLS 101

*At UT-Knoxville, the math course must be MATH 1920.

**At UT-Knoxville, this sequence must be Organic Chemistry I and either a course in cell biology with laboratory or genetics with laboratory.

If you have completed TN eCampus courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- cumulative GPA must be 2.0.
- taking the Exit Exam.

Sample Academic Plan

First Year – Fall Semester

___ BIOL 1110	General Biology I	4
___ CHEM 1110	General Chemistry I	4
___ MATH 1910	Calculus & Analytic Geometry I	4
___ ENGL 1010	Composition I	3
___ COLS 101	Columbia State College Success	1
		16

First Year – Spring Semester

___ BIOL 1120	General Biology II	4
___ CHEM 1120	General Chemistry II	4
___ MATH 1920	Calculus & Analytic Geometry II or	
___ MATH 1530	Elementary Statistics	3-4
___ ENGL 1020	Composition II	3
		14-15

Second Year – Fall Semester

___ CHEM 2010	Organic Chemistry I**	4
___ Literature Requirement		3
___ History Requirement		3
___ Social/Behavioral Science		3
___ Humanities/Fine Arts		3
		16

Second Year – Spring Semester

___ CHEM 2020	Organic Chemistry II**	4
___ SPCH 1010	Fundamentals of Speech Communication or	
___ SPCH 1030	Argumentation and Debate	3
___ History Requirement		3
___ Social/Behavioral Science		3
___ Humanities/Fine Arts		3
		16

TOTAL CREDIT HOURS 62-63

At some universities, foreign language may be required in certain programs that lead to the Bachelor of Science Degree. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation web sites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.

For more information contact:

Mandy Carter-Lowe at

mcarterlowe@columbiastate.edu or 931.540.2675

or

**Science, Technology & Math Division office at
931.540.2710**