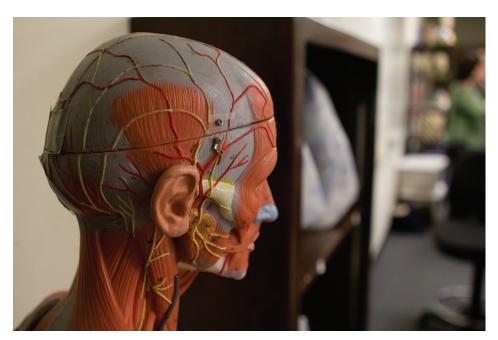
BIOLOGY

Associate of Science degree



Program and Career Description:

The Biology emphasis is a twoyear 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

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee State University
- Tennessee Tech University

- University of Memphis
- University of Tennessee, Chattanooga
- University of Tennessee, Knoxville
- University of Tennessee, Martin

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
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 ECON 2010, 2020 GEOG 2010 PHED 2120 POL 201 POLS 1030, 1501, 2010 PSYC 1030, 2130 SOCI 1010, 1020, 2010

Major Required Courses MATH 1530 or MATH 1920* CHEM 1110, 1120, 2010, 2020**

*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	g Semester		
BIOL 1120	General Biology II	4	
CHEM 1120	=-	4	
MATH 1920	Calculus & Analytic Geometry II or		
MATH 1530	· · · · · · · · · · · · · · · · · · ·	3-4	
ENGL 1020	Composition II	3	
		14-15	
Second Year – Fall Semester			
CHEM 2010	Organic Chemistry I**	4	
Literature Rec	quirement	3	
History Requirement		3	
Social/Behavioral Science		3	
Humanities/F	ine Arts	3	
		16	
Second Year – Spring Semester			
CHFM 2020	Organic Chemistry II**	4	
	Fundamentals of Speech Communic	ation or	
SPCH 1030	Argumentation and Debate	3	
History Requi	9	3	
Social/Behavioral Science			
Humanities/F		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:
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or
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931.540.2710