



**CHICAGO STATE
UNIVERSITY**

City Colleges of Chicago

Transfer Guide

BS in Biological Sciences

The Department of Biological Sciences offers a Bachelor of Science degree, a minor, and a Master of Science degree. Students may take courses in biological science, botany, physiology, and zoology. Students who graduate with a B.S. in Biology are prepared for a variety of positions in industry, government, health sciences, and education, and are prepared for graduate school in any area of life sciences or professional school in medicine, veterinary science, pharmacy, and dentistry. The Department of Biological Sciences is committed to maximizing the academic success of its students and uses student learning data and surveys to measure this. Direct and indirect measures of learning are collected each semester in core courses and non-major courses. Student self-efficacy surveys help determine how students perceive their learning experiences.

Admission to the Biology UG program is open to all incoming freshmen and transfer students. The department does not accept D transfer credits in biology courses. A Biology Major requires a minimum of 120 semester hours. Biology majors must earn a grade of C or better in required biology courses and may earn a maximum of one D in required supportive courses. Biology majors can retake a required course twice but require permission from the instructor and chair of the department to enroll a third time. Students who fail the third attempt will not be permitted to complete the Biology Major. Once enrolled at Chicago State University, biology majors may not take a major or supportive course at a two-year college.

Highlights

A CSU Biology degree is a gateway to careers in diverse life science disciplines. Examples are: Agronomist; Science Middle and High Teacher; Biomedical Scientist; Biostatistician; Biotechnologist; Botanist; Conservationist; Dentist; Ecologist; Environmental Scientist; Forestry Scientist; Forensic Scientist; Geneticist; Horticulturalist; Medical Technologist; Microbiologist; Laboratory Technician; Occupational Therapist; Optometrist; Pharmacist; Pharmaceutical Scientist; Physician; Physician Assistant; Physical Therapist; Urban Agriculturalist; and Veterinarian. Most recent graduates have found jobs as laboratory technicians.

Advisor Contact Information

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Articulation Crosswalk for BS in Biological Sciences

Chicago City Colleges Associate in Science (0211) AS			Chicago State University BS in Biological Sciences		
Course #	Title	Credit Hours	Course #	Title	Credit Hours
ENG 101	Composition I	3	ENG 1270	Composition I	3
ENG 102	Composition II	3	ENG 1280	Composition II	3
SPEECH 101	Fundamentals of Speech Communication	3	CMAT 2030	Basic Speech Communications	3
Fine Arts	IAI Fine Arts*	3	Fine Arts	IAI Fine Arts	3
Humanities	IAI Humanities*	3	Humanities	IAI Humanities	3
Social Science	IAI Social/Behavioral Science* **	3	Social Science	IAI Social/Behavioral Science	3
Social Science	IAI Social/Behavioral Science* **	3	Social Science	IAI Social/Behavioral Science	3
Recommended Mathematics Courses:					
MATH 125	Introductory Statistics	4***	MATH 1600	Basic Probability and Statistics	3 (4)
MATH 140	College Algebra	4***	MATH 1200	College Algebra	3 (4)
Recommended Elective Courses:					
BIOL 121	Biology I	5***	BOT 2050	Biology of Algae, Plants & Fungi	4 (5)
BIOL 122	Biology II	5***	BIOL 1702	Introduction to Biology II	4 (5)
CHEM 201	General Chemistry I	5***	CHEM 1400/1410	General Chemistry I Lecture and Lab	4 (5)
CHEM 203	General Chemistry II	5***	CHEM 1450/1460	General Chemistry II Lecture and Lab	4 (5)
MATH 141	Plane Trigonometry	3	MATH 1210	Algebra and Trigonometry	3
Choose Any Two Elective Courses:					
CHEM 205	Organic Chemistry I	6***	CHEM 2400/2410	Organic Chemistry I	4 (6)
CHEM 207	Organic Chemistry II	6***	CHEM 2450/2460	Organic Chemistry II	4 (6)
PHYSICS 221	General Physics I	5***	PHYS 1510	General Physics I	4 (5)
PHYSICS 222	General Physics II	5***	PHYS 1520	General Physics II	4 (5)
BIOL 226	Human Structure and Function I	4	ZOOL 2050	Human Functional Anatomy	4
BIOL 227	Human Structure and Function II	4	PSLY 2040	Human Physiology	4
Total Credit Hours Taken at CCC		60-64	Total Credit Hours Transferred to CSU		60-64

*One course must satisfy the CCC Human Diversity (HD) requirement.

**Must include two disciplines

***Math courses and science lab courses that equal 4, 5, or 6 credit hours at City Colleges transfer as such to CSU.

Courses required at CSU for BS in Biological Sciences	
CSU Courses	Credit Hours
College of Arts and Sciences Course	
Foreign Language	3
Required CSU Courses (Two taken as Electives at CCC)	
CHEM 2400/2410 Organic Chemistry I Lecture and Lab	4
CHEM 2450/2460 Organic Chemistry II Lecture and Lab	4
PHYS 1510 General Physics I	4
PHYS 1520 General Physics II	4
PSLY 2040 Human Physiology	4
ZOOL 2050 Human Functional Anatomy	4
Required Supportive Course	
MATH 1415 Calculus for Life Sciences I	4
Biological Sciences Core Courses	
BIOL 1600 Introduction to Biological Professions	1
BIOL 2400 Scientific Inquiry in the Biological Sciences	4
BIOL 3040 Genetics	4
BIOL 3051 Cell Biology	4
BIOL 3072 Ecology	4
Biology Electives (Must include two lab courses)	14-16
BIOL 3000 level	
BIOL 3000 level	
BIOL 4000 level	
BIOL 4000 level	
Biology Capstone Course	
BIOL 4801 Capstone for Biology	4
Electives to Complete 120 Hours	0-2
CSU Completion Credit Hours	58-60

CCC Transferred Credit Hours	60-64
CSU Completion Credit Hours	58-60
Total Degree Credit Hours	120-122