

Bachelor of Science in

BIOLOGY

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www.spcollege.edu/bachelors

Bachelor of Science in Biology

St. Petersburg College
Clearwater Campus
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St. Petersburg College
SPC

The Board of Trustees of St. Petersburg College affirms its equal opportunity policy in accordance with the provisions of the Florida Educational Equity Act and all other relevant state and federal laws, rules and regulations. The college will not discriminate on the basis of race, color, religion, sex, age, national origin, marital status, sexual orientation, gender identity, or against any qualified individual with disabilities in its employment practices or in the admission and treatment of students. Recognizing that sexual harassment constitutes discrimination on the basis of sex and violates this Rule, the college will not tolerate such conduct.



Our mission is to provide students with a solid foundation of knowledge and skills that will allow them the opportunity to prosper in the workplace and also prepare them for graduate work or professional school in the biological sciences.

Why consider a bachelor's degree in Biology?

The bachelor's degree in Biology at St. Petersburg College prepares students to enter a wide range of careers in the field of biology, to enter graduate programs, or professional schools such as medical, dental or veterinary. The major provides students with a foundation in molecular, cellular, organismal, evolutionary and ecological biology. The program offers flexibility of elective courses to allow students to shape their learning to fit their individual needs.

Career opportunities

- Biological research
- Laboratory technician
 - Forensics
 - Genetics
 - Physiology
- Science educator
- Marine biologist
- Wildlife biologist
- Conservation biologist
- Environmental manager
- Governmental regulatory agencies

Program goals

- Provide students with opportunities to learn and prepare for successful careers in the biological sciences.
- Prepare graduates who will be on the leading edge of scientific applications.
- Prepare graduates to be well-rounded professionals, competent in laboratory, field work and research.
- Prepare graduates to pursue a graduate degree or professional school.

Graduates will be able to...

- Work in a variety of careers in the biological sciences including healthcare, education, conservation and research.
- Utilize their skills in creative problem solving, critical thinking and analytical experience, oral and written communication competencies, and in computer applications across various biological science disciplines.
- Pursue graduate degrees such as a Master of Science and Doctor of Philosophy, or study medicine, dentistry, veterinary medicine, or pharmacy.



Admission requirements

- Admission requires an A.A. degree, or 60 credits with at least 15 credit hours in transferable general education from a regionally accredited institution.
- Cumulative grade point average of 2.0 on a 4.0 scale in all postsecondary coursework.
- Completion of all state mandated prerequisites with a grade of C or better.
- For A.S. degree holders, an additional 15 to 21 general education credits are required to complete the 36-hour general education requirement of St. Petersburg College. Please refer to the college catalog for a list of general education courses. Consult the assigned baccalaureate specialist regarding any additional questions.

State mandated prerequisites

Grade of "C" or better required for all courses

The following courses are required and may be used as part of the General Education requirements:

BSC	2010/L	Biology I – Cellular Processes and Lab	.....4
BSC	2011/L	Biology II – Organisms and Ecology and Lab	.....4
CHM	2045/L	General Chemistry and Qualitative Analysis I and Lab	.....4
CHM	2046/L	General Chemistry and Qualitative Analysis II and Lab	.....4
CHM	2210/L	Organic Chemistry I and Lab	.....4
CHM	2211/L	Organic Chemistry II and Lab	.....4
MAC	2311	Calculus with Analytic Geometry I OR (MAC 2233)	.....5
STA	2023	Elementary Statistics OR (MAC 2312 or 2234)	.....3

Required major courses (38 credits)

Grade of "C" or better required for all courses

BCH	4024	Biochemistry and Molecular Biology	.....4
BOT	3015C	Plant Biology with Lab	.....4
BSC	3017	Theory and Practice in the Biological Science	.....2
BSC	4931	Senior Seminar in Biology	.....1
PCB	3043C	Ecology with Lab	.....4
PCB	3063C	Genetics with Lab	.....4
PCB	4674	Evolutionary Biology	.....3
PCB	4723C	Comparative Animal Physiology with Lab	.....4
PHY	1053	General Physics I OR	.....3
PHY	2048	Physics I	.....3
PHY	1048L	Physics Laboratory I	.....1
PHY	1054	General Physics II OR	.....3
PHY	2049	Physics II	.....3
PHY	1049L	Physics Laboratory II	.....1
*MCB	3020C	General Microbiology with Lab OR	.....4
*PCB	3023C	Cell Biology with Lab	.....4

Electives (Select 22 credits)

Grade of "C" or better required for all courses

ANS	3006	Introduction to Animal Science	.....3
ATE	3637	Small Animal Nutrition	.....3
BOT	3143C	Field Botany with Lab	.....4
BSC	3052	Conservation Biology	.....3
BSC	3312C	Marine Biology with Lab	.....4
BSC	4422C	Methods and Applications in Biotechnology	.....4
BSC	4905C	Undergraduate Research in Biology	.....1-6
HSC	3201	Community Health and Epidemiology	.....3
PCB	4233	Immunology	.....3
PCB	4253C	Developmental Biology with Lab	.....4
PCB	4363C	Physiological Ecology	.....4
PCB	4454C	Biostatistics with Lab	.....4
ZOO	3205C	Invertebrate Zoology with Lab	.....4
ZOO	3307C	Vertebrate Zoology with Lab	.....4
ZOO	3713C	Functional Vertebrate Anatomy with Lab	.....4
ZOO	3733C	Human Anatomy with Lab	.....4
ZOO	4454C	Ichthyology with Laboratory	.....4
ZOO	4513C	Animal Behavior with Lab	.....4
*MCB	3020C	General Microbiology with Lab OR	.....4
*PCB	3023C	Cell Biology with Lab	.....4

TOTAL PROGRAM HOURS **120**

* **Note:** Either MCB 3020C OR PCB 3023C can be used as required major courses (not both). If a student chooses to take both, one of the courses will count as an elective.

NOTE: If you have not completed two consecutive years of the same foreign language in high school or 8 credits in college, you will need to complete 8 credits of foreign language before completing the B.S. program.

