

www.spcollege.edu/bachelors

Bachelor of Science in Biology

St. Petersburg College Clearwater Campus PO Box 13489

St. Petersburg, FL 33733-3489

St. Petersburg College

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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.

St. Petersburg College



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.



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

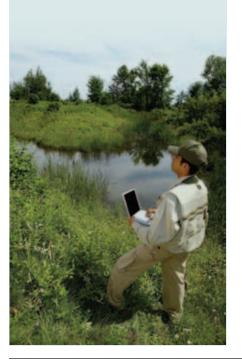
- Biological research
- Laboratory technician
- Forensics
- Genetics
- Physiology
- Science educator
- Marine biologist
- Wildlife biologist
- Conservation biologist
- Environmental manager
- · Governmental regulatory agencies

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.



Bachelor of Science in Biology

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
- 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.

BSC 2010/L Biology L Collular Processes and Lab

postsecondary coursework.

 Completion of all state mandated prerequisites with a

Grade of "C" or better required for all courses

State mandated prerequisites

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

R2C	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

RCH	4024	Biochemistry and Molecular Biology	. 4
		Plant Biology with Lab.	
BSC	3017	Theory and Practice in the Biological Science	. 2
		Senior Seminar in Biology	
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		General Physics I OR	
PHY	2048	Physics I	
PHY	1048L	Physics Laboratory I	
	1054	General Physics II OR	
PHY	2049	Physics II	
PHY	1049L	Physics Laboratory II	. 1
		General Microbiology with Lab OR	
*PCB	3023C	Cell Biology with Lab	. 4
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Electives (Select 22 credits)

Grade of "C" or better required for all courses

٩NS	3006	Introduction to Animal Science			
ATE	3637	Small Animal Nutrition			
3OT	3143C	Field Botany with Lab4			
BSC	3052	Conservation Biology3			
3SC	3312C	Marine Biology with Lab4			
3SC	4422C	Methods and Applications in Biotechnology4			
3SC	4905C	Undergraduate Research in Biology1-6			
HSC	3201	Community Health and Epidemiology3			
PCB	4233	Immunology			
PCB		Developmental Biology with Lab4			
PCB		Physiological Ecology4			
PCB		Biostatistics with Lab4			
ZOO		Invertebrate Zoology with Lab4			
ZOO		Vertebrate Zoology with Lab4			
ZOO		Functional Vertebrate Anatomy with Lab4			
ZOO		Human Anatomy with Lab4			
		Ichthyology with Laboratory4			
		Animal Behavior with Lab4			
^e MCB	3020C	General Microbiology with Lab OR4			
^e PCB	3023C	Cell Biology with Lab4			
FOTAL 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.