

BIOLOGY MAJOR

Acceptance to Major Requirements

Course Requirements: BIOL 101 Foundations of Biology, BIOL 201 Intermediate Cell Biology and Genetics, and any other 4-credit course in the major

Minimum Cumulative GPA: 2.00

Other Requirements: Must have a Biology faculty member as Academic Advisor

Code	Title	Hours
BIOL 101	Foundations of Biology	4
BIOL 201	Intermediate Cell Biology and Genetics	4
BIOL 202	Evolution in Action	4
20 credits from the following ¹		20
BIOL 300-Level courses		
CSCI 317D	Bioinformatics	
2 credits from the following		2
BIOL 380@ (Topics)		
BIOL 372	Biological Research	
COLG 398	Distinguished Thesis Essay, Research or Creative Project	
BIOL XXX (comprehensive exam)		0
MATH 124	Probability and Statistical Inference	4
CHEM 125	Introduction to Chemical Structure and Properties	4
CHEM 201	Purification and Separation Lab I	0-1
One from the following		0-5
CHEM 250	Reactions of Nucleophiles and Electrophiles (Reactivity 1) (2 classes)	
or CHEM 202 Purification and Chromatography Lab II		
CHEM 251	Intermediate Reactions of Nucleophiles and Electrophiles (Reactivity 2) (2 classes)	
or CHEM 203 Synthesis Lab		
CHEM 255	Macroscopic Chemical Analysis (2 classes)	
or CHEM 204 Chemical Measurement Lab		
One of the following:		4
MATH 118	Essential Calculus	
MATH 119	Calculus I	
MATH 120	Calculus II	
PHYS 105	Physics for the Life Sciences I	
PHYS 191	Foundations of Physics I	
CSCI 130	Concepts of Computing: Science and Applications	
CSCI 140	Concepts of Computing: Science and Mathematics	
CSCI 150	Introduction to Computing in the Liberal Arts and Sciences	
CSCI 239	Discrete Computational Structures	
ENVR 175	Earth Systems Science	
Total Hours		46-52

¹ Cannot count BIOL 371, 373A, 373I, 373O, 373P, 373R or 380C.

Additional Requirements:

General Education Requirements:

All undergraduate students must complete the requirements of the Integrations Curriculum (IC) which is designed to ensure all of our students receive a liberal arts education. Please review details of the Integrations Curriculum (<https://catalog.csbsju.edu/catalog/academic-programs-policies-regulations/integrations-curriculum/>) requirements here (<https://catalog.csbsju.edu/catalog/academic-programs-policies-regulations/integrations-curriculum/>).

Graduation Requirements:

In addition to the Integrations Curriculum, all undergraduate students must meet the following minimum degree requirements to earn their degree from CSB and SJU.

Credits: 124 total credits, 40 of which must be from upper division coursework

GPA: 2.0 or higher*

Residency: At least 24 of your last 32 credits must be completed at CSB/SJU

Please visit Graduation (<https://catalog.csbsju.edu/catalog/academic-programs-policies-regulations/graduation/>) under the Academic Policies and Regulations (<https://catalog.csbsju.edu/catalog/academic-programs-policies-regulations/>) portion of the catalog for additional details regarding degree requirements.

* Cumulative GPA as well as major(s)/minor(s) GPA. Please note some majors/minors may require a higher GPA to earn their degree.

Four Year Plan

Course	Title	Hours
First Year		
Fall		
INTG 105	College Success	1
INTG 100	Foundations	4
Language 111		4
BIOL 101	Foundations of Biology	4
CHEM 125	Introduction to Chemical Structure and Properties	4
CHEM 201	Purification and Separation Lab I	1
Hours		18
Spring		
Cultural and Social Difference-Identity		
Language 112		4
THEO 100	Theological Explorations	4
BIOL 201	Intermediate Cell Biology and Genetics	4
Hours		16
Second Year		
Fall		
Language 211		4
MATH 124	Probability and Statistical Inference	4
BIOL 202	Evolution in Action	4
Hours		12
Spring		
Additional Way of Thinking course		
BIOL 3XX		4
Additional NS course		
Hours		12

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Third Year

Fall

BIOL 3XX	4
BIOL 3XX	4
Additional course	4
Additional course	4
Hours	16

Spring

ABROAD	
Cultural and Difference-Systems	4
Hours	4

Fourth Year

Fall

TI 3XX	4
BIOL 3XX	4
Additional Way of Thinking course	4
Hours	12

Spring

INTG 300	Learning Integrations	4
BIOL 3XX		4
BIOL 380@ (Topics)		2
Hours		10
Total Hours		100