## **BIOLOGY (BS)**

#### **Program Overview**

The Bachelor of Science degree in Biology prepares students for employment in biological or life science careers and/or for entry into advanced degree programs in biology or health-related professional schools, by providing a more specialized biological education to include the analytical skills, knowledge, laboratory and field techniques across various disciplines within the biological sciences.

#### **Career Opportunities**

Career opportunities are available in the following areas: conservation, medicine, pharmacy, biotechnology, research, genetic counseling, veterinary medicine.

#### **Program of Study**

3	•	
Code		Credit Hours
Core IMPACTS Ar	ea : Institutional Priorities <sup>1</sup>	4-5
COMM 1110	Public Speaking	3
ITDS 1779	Scholarship Across the Disciplines	2
LEAD 1705	Introduction to Servant Leadership	2
PERS 1506	Perspectives 1-hour	1
PERS 1507	Perspectives 2-hour	2
Foreign Language	e Course Options	
	REN, GERM, GREK, ITAL, JAPN, KREN, LATIN, POR` 002, 2001, 2002	Γ,
SWAH 1001	Elementary Swahili I	
SWAH 1002	Elementary Swahili II	
Core IMPACTS Ar	ea : Mathematics & Quantitative Skills <sup>1</sup>	3-7
DATA 1501	Introduction to Data Science	3
MATH 1001	Quantitative Skills and Reasoning	3
MATH 1101	Introduction to Mathematical Modeling	3
MATH 1111	College Algebra	3
MATH 1113	Pre-Calculus	4
MATH 1125	Applied Calculus	3
MATH 1131	Calculus with Analytic Geometry I	4
MATH 1132	Calculus with Analytic Geometry II	4
MATH 1165	Computer-Assisted Problem Solving	3
MATH 1401	Introduction to Statistics	3
MATH 1501	Calculus I	4
MATH 2125	Introduction to Discrete Mathematics	3
STAT 1401	Elementary Statistics	3
Core IMPACTS Ar	rea : Political Science and U.S. History	6
HIST 2111	U. S. History to 1865	3
or HIST 2112	U. S. History since 1865	
POLS 1101	American Government	3
Core IMPACTS Ar	ea : Arts, Humanities, and Ethics	6
Select one Fine A	rts course	3
ARTH 1100	Art Appreciation	
ARTH 2125	Introduction to the History of Art I- Prehistoric through Gothic	

ARTH 2126	Introduction to the History of Art II— Renaissance through Modern	
MUSC 1100	Music Appreciation	
THEA 1100	Theatre Appreciation	
ITDS 1145	Comparative Arts <sup>2</sup>	
Select one Humai	nities course	3
ENGL 2111	World Literature I	
ENGL 2112	World Literature II	
ITDS 1774	Introduction to Digital Humanities	
PHIL 2010	Introduction to Philosophy	
ITDS 1145	Comparative Arts <sup>2</sup>	
Core IMPACTS Ar	ea : Communicating in Writing	6
ENGL 1101	English Composition I	3
ENGL 1102	English Composition II	3
	ea : Technology, Mathematics, and Sciences <sup>1</sup>	7-11
ANTH 1145	Human Origins	3
ASTR 1105	Descriptive Astronomy: The Solar System	3
ASTR 1106	Descriptive Astronomy: Stars and Galaxies	3
ASTR 1305	Descriptive Astronomy Lab	1
ATSC 1112	Understanding the Weather	3
ATSC 1112L	Understanding the Weather Lab	1
BIOL 1125	Contemporary Issues in Biology Non-Lab	3
BIOL 1215K	Introductory Biology	4
BIOL 1225K	Contemporary Issues in Biology with Lab	4
CHEM 1151	Survey of Chemistry I	4
& 1151L	and Survey of Chemistry I Lab	7
CHEM 1152 & 1152L	Survey of Chemistry II and Survey of Chemistry II Lab	4
CHEM 1211	Principles of Chemistry I	4
& 1211L	and Principles of Chemistry I Lab	
CHEM 1212 & 1212L	Principles of Chemistry II and Principles of Chemistry II Lab	4
CPSC 1105	Introduction to Computing Principles and Technology	3
CPSC 1301K	Computer Science I	4
ENVS 1105	Environmental Studies	3
ENVS 1105L	Environmental Studies Laboratory	1
ENVS 1205K	Sustainability and the Environment	4
GEOG 2215	Introduction to the Geographic Information Systems	3
GEOL 1110	Natural Disasters: Our Hazardous Environment	3
GEOL 1121	Introductory Geoscience I: Physical Geology	3
GEOL 1121L	Introductory Geoscience I: Physical Geology Lab	1
GEOL 1122	Introductory Geo-sciences II: Historical Geology	3
GEOL 1322	Introductory Geo-sciences II: Historical Geology	1
GEOL 2225	The Fossil Record	4
PHYS 1111	Introductory Physics I	4
& PHYS 1311	and Introductory Physics I Lab	
PHYS 1112 & PHYS 1312	Introductory Physics II and Introductory Physics II Lab	4
PHYS 1125	Physics of Color and Sound	3
PHYS 1325	Physics of Color and Sound Lab	1

PHYS 2211	Principles of Physics I	4
& PHYS 2311	and Principles of Physics I Lab	
PHYS 2212	Principles of Physics II	4
& PHYS 2312	and Principles of Physics II Lab	
Core IMPACTS Are	ea : Social Sciences	6
Select one Behavi	ioral Science course	
ECON 2105	Principles of Macroeconomics	
ECON 2106	Principles of Microeconomics	
PHIL 2030	Moral Philosophy	
PSYC 1101	Introduction to General Psychology	
SOCI 1101	Introduction to Sociology	
Select one World	Cultures course	3
ANTH 1107	Discovering Archaeology	
ANTH 1105	Cultural Anthropology	
ANTH 2105	Ancient World Civilizations	
ANTH 2136	Language and Culture	
ENGL 2136	Language and Culture	
GEOG 1101	World Regional Geography	
HIST 1111	World History to 1500	
HIST 1112	World History since 1500	
ITDS 1155	The Western Intellectual Tradition	
ITDS 1156	Understanding Non-Western Cultures	
Core IMPACTS To	tal Hours	42
Health and Wellne	ess	3
KINS 1106	Lifetime Wellness	2
or PHED 1205	Concepts of Fitness	

The hours applied in the Institutional Priorities; Mathematics & Quantitative Skills; and Technology, Mathematics, and Sciences areas must add to 18 credit hours.

Select one PEDS course (https://catalog.columbusstate.edu/course-

### **Major Requirements**

descriptions/peds/#peds)

Code	Title	Credit Hours
Core Requiremen	its	
Complete the cor	e requirements for this program	45
Field of Study Re	quirements	
Minimum grade o	of C is required	
BIOL 1107K	Principles of Biology I	4
BIOL 1108K	Principles of Biology II	4
BIOL 2206K	Organismic Biology I	4
BIOL 2207K	Organismic Biology II	4
Apply one hour of	f Guided Electives	1
Apply one hour fr	om Area A (MATH 1113 or MATH 1131)	1
Field of Study Re	quirements Total	18
Required for the I	Major	
Minimum grade of C is required		
BIOL 3215K	Cell Biology	4
BIOL 3216K	Genetics	4

DIUL 4193	Capstone Semon Seminar	
CHEM 3111	Organic Chemistry I	3
CHEM 3112	Organic Chemistry II	3
CHEM 3311	Organic Chemistry I Lab	1
CHEM 3312	Organic Chemistry II Lab	1
MATH 1111	College Algebra	3
PHYS 1111	Introductory Physics I	3
PHYS 1112	Introductory Physics II	3
PHYS 1311	Introductory Physics I Lab	1
PHYS 1312	Introductory Physics II Lab	1
Select one of the	following options:	4
Option 1:	2 - P	
BIOL 4392	Undergraduate Research	
BIOL 4393	Research Presentation	
Option 2:	nescuron resentation	
BIOL 4698	Internship	
Option 3:	internship	
•	nal hours from List 1-3 of Area H	
		27
Required for the	Major Total	37
Major Electives		
Minimum grade o		
	from Cellular and Molecular Biology Electives (List 1	) 3-4
BIOL 5117U	Medical Genetics and Genomics	
BIOL 5118U	Neuroscience	
BIOL 5215U	Developmental Biology	
BIOL 5216U	Histology and Histotechniques	
BIOL 5217U	Cell and Molecular Techniques	
BIOL 5218U	Introduction to Virology	
BIOL 5219U	Immunology	
BIOL 5225U	Microbial Pathogenesis	
BIOL 5317U	Genomics and Bioinformatics Lab	
BIOL 5318U	Neuroscience Lab	
BIOL 5515U	Selected Topics in Cell and Molecular Biology	
Select 3-4 hours	from Organismal Biology Electives (List 2)	3-4
BIOL 5245U	Comparative Animal Physiology	
BIOL 5246U	Entomology	
BIOL 5247U	Microbial Diversity	
BIOL 5248U	Ornithology	
BIOL 5249U	Parasitology	
BIOL 5255U	Vertebrate Diversity	
BIOL 5256U	Plant Taxonomy	
BIOL 5257U	Biology of Aging	
BIOL 5259U	Comparative Vertebrate Anatomy	
BIOL 5265U	Food Microbiology	
BIOL 5525U	Selected Topics in Organismic Biology	
		2 /
	from Ecological and Evolutionary Electives (List 3)	3-4
BIOL 5285U	Aquatic Biology	
BIOL 5286U	Community Ecology	
BIOL 5287U	Conservation Genetics	
BIOL 5288U	Plant Ecology	
BIOL 5289U	Environmental Toxicology	

BIOL 3217K

BIOL 4795

Ecology

Capstone Senior Seminar

ITDS 1145 Comparative Arts, though listed under both Fine Arts and Humanities, may be taken only once.

General Electives	s Total	7-8
Select 7-8 credits	s of General Electives	7-8
General Electives	3	
Major Electives Total		15-16
PSYC 4116	Comparative Animal Behavior	
GEOL 5275U	Vertebrate Paleontology	
CHEM 3141	Biochemistry I	
Select one additi	onal course from List 1-3 or from the following:	3-4
BIOL 5535U	Selected Topics in Ecological and Evolutionary Biology	
BIOL 5295U	Animal Communication	

## **Program Map**

# Suggested four year course schedule with MATH 0999 or lower

Course	Title	Credit Hours
First Year		
Fall		
Area B2	ITDS 1779 (2), LEAD 1705 (2), PERS 1506 (1; may be repeated with different topic), PERS 1507 (2)	1
AREA C	Fine Arts	3
AREA E	World Culture	3
BIOL 1715	Professionalism and Careers in Biology (recommended Area F Guided Elective; minimum grade of C)	1
ENGL 1101	English Composition I (minimum grade of C)	3
MATH 1111	College Algebra (minimum grade of C)	3
MATH 0999B or	Support for College Algebra B or Support for College Algebra C	
MATH 0999	<u> </u>	
Out of the sec	Credit Hours	14
Spring	and in the control of O	4
BIOL 1231K CHEM 1211	minimum grade of C Principles of Chemistry I	4
& 1211L	and Principles of Chemistry I Lab (minimum grade of C)	4
ENGL 1102	English Composition II (minimum grade of C)	3
MATH 1113	Pre-Calculus (minimum grade of C) 1	4
	Credit Hours	15
Second Year		
Fall		
AREA E	Behavioral Science	3
BIOL 1232K	minimum grade of C	4
CHEM 1212 & 1212L	Principles of Chemistry II and Principles of Chemistry II Lab (minimum grade of C)	4
KINS 1106 or PHED 1205	Lifetime Wellness or Concepts of Fitness	2

STAT 1401	Elementary Statistics (minimum grade of C)	3
	Credit Hours	16
Spring		
AREA I	Elective	2
BIOL 2206K	Organismic Biology I (minimum grade of C)	4
BIOL 2207K	Organismic Biology II (minimum grade of C)	4
Area B1	COMM 1110 Public Speaking or foreign language 1001, 1002, 2001, 2002	3
PHYS 1111 & PHYS 1311	Introductory Physics I and Introductory Physics I Lab (minimum grade of C)	4
	Credit Hours	17
Third Year		
Fall		
BIOL 3215K	Cell Biology (minimum grade of C)	4
BIOL 3216K	Genetics (minimum grade of C)	4
CHEM 3111	Organic Chemistry I	4
& CHEM 3311	and Organic Chemistry I Lab (minimum grade of C)	
PHYS 1112	Introductory Physics II	4
& PHYS 1312	and Introductory Physics II Lab (minimum grade of C)	
	Credit Hours	16
Spring		
BIOL 3217K	Ecology (minimum grade of C)	4
AREA I	Elective	1
AREA H	BIOL Cell/Molecular Senior Elective (minimum grade of C)	4
CHEM 3112	Organic Chemistry II	4
& CHEM 3312	and Organic Chemistry II Lab (minimum grade of C)	
	Credit Hours	13
Fourth Year		
Fall		
Select one of the	following:	2-4
BIOL 4392	Undergraduate Research (option #1; minimum grade of C)	
BIOL 4698	Internship (option #2; minimum grade of C)	
4 additional ho minimum grad	ours from List 1-3 of Area H (option #3; e of C)	
BIOL 4795	Capstone Senior Seminar (minimum grade of C)	2
AREA H	BIOL Organismal Senior Elective (minimum grade of C)	4
HIST 2111	U. S. History to 1865	3
or HIST 2112	or U. S. History since 1865	
PEDS Activity		1
POLS 1101	American Government	3
Spring	Credit Hours	15-17
AREA C	Humanities	3
AREA I	Elective	4
BIOL 4393	Research Presentation (minimum grade of	2
	C)	

Course

	Total Credit Hours	123-125
	Credit Hours	17
AREA H	BIOL Senior Elective Option (minimum grade of C)	4
AREA H	BIOL Ecology/Evolution Senior Elective (minimum grade of C)	4

<sup>&</sup>lt;sup>1</sup> MATH 1113 Pre-Calculus has 4 credits. Count 3 credits in Area A and 1 credit in Area F.

## Suggested four year course schedule with MATH 1111 College Algebra

Credit

Title

Course	ritie	Hours
First Year		
<b>Fall</b> Area B2	ITDS 1779 (2), LEAD 1705 (2), PERS 1506	1
Alea DZ	(1; may be repeated with different topic), PERS 1507 (2)	'
AREA C	Fine Arts	3
BIOL 1231K	minimum grade of C	4
BIOL 1715	Professionalism and Careers in Biology (recommended Area F Guided Elective; minimum grade of C)	1
ENGL 1101	English Composition I (minimum grade of C)	3
MATH 1111	College Algebra (minimum grade of C)	3
	Credit Hours	15
Spring		
BIOL 1232K	minimum grade of C	4
CHEM 1211	Principles of Chemistry I	4
& 1211L	and Principles of Chemistry I Lab (minimum grade of C)	
ENGL 1102	English Composition II (minimum grade of C)	3
	1	
MATH 1113	Pre-Calculus (minimum grade of C) 1	4
MATH 1113	Pre-Calculus (minimum grade of C) Credit Hours	15
MATH 1113 Second Year		
Second Year		
Second Year Fall	Credit Hours	15
Second Year Fall AREA E BIOL 2206K CHEM 1212	Credit Hours  Behavioral Science  Organismic Biology I (minimum grade of C)  Principles of Chemistry II	<b>15</b>
Second Year Fall AREA E BIOL 2206K	Credit Hours  Behavioral Science  Organismic Biology I (minimum grade of C)	3 4
Second Year Fall AREA E BIOL 2206K CHEM 1212	Credit Hours  Behavioral Science Organismic Biology I (minimum grade of C) Principles of Chemistry II and Principles of Chemistry II Lab (minimum grade of C) Lifetime Wellness	3 4
Second Year Fall AREA E BIOL 2206K CHEM 1212 & 1212L KINS 1106 or PHED 1205	Credit Hours  Behavioral Science Organismic Biology I (minimum grade of C) Principles of Chemistry II and Principles of Chemistry II Lab (minimum grade of C) Lifetime Wellness or Concepts of Fitness	3 4 4 2
Second Year Fall AREA E BIOL 2206K CHEM 1212 & 1212L KINS 1106	Credit Hours  Behavioral Science Organismic Biology I (minimum grade of C) Principles of Chemistry II and Principles of Chemistry II Lab (minimum grade of C) Lifetime Wellness	3 4 4
Second Year Fall AREA E BIOL 2206K CHEM 1212 & 1212L KINS 1106 or PHED 1205	Behavioral Science Organismic Biology I (minimum grade of C) Principles of Chemistry II and Principles of Chemistry II Lab (minimum grade of C) Lifetime Wellness or Concepts of Fitness Elementary Statistics (minimum grade of	3 4 4
Second Year Fall AREA E BIOL 2206K CHEM 1212 & 1212L KINS 1106 or PHED 1205	Credit Hours  Behavioral Science  Organismic Biology I (minimum grade of C)  Principles of Chemistry II  and Principles of Chemistry II Lab  (minimum grade of C)  Lifetime Wellness  or Concepts of Fitness  Elementary Statistics (minimum grade of C)	3 4 4 2 3
Second Year Fall AREA E BIOL 2206K CHEM 1212 & 1212L KINS 1106 or PHED 1205 STAT 1401	Credit Hours  Behavioral Science  Organismic Biology I (minimum grade of C)  Principles of Chemistry II  and Principles of Chemistry II Lab  (minimum grade of C)  Lifetime Wellness  or Concepts of Fitness  Elementary Statistics (minimum grade of C)	3 4 4 2 3
Second Year Fall AREA E BIOL 2206K CHEM 1212 & 1212L  KINS 1106 or PHED 1205 STAT 1401  Spring	Behavioral Science Organismic Biology I (minimum grade of C) Principles of Chemistry II and Principles of Chemistry II Lab (minimum grade of C) Lifetime Wellness or Concepts of Fitness Elementary Statistics (minimum grade of C)  Credit Hours  World Culture Elective	3 4 4 2 3
Second Year Fall AREA E BIOL 2206K CHEM 1212 & 1212L KINS 1106 or PHED 1205 STAT 1401  Spring AREA E AREA I BIOL 2207K	Behavioral Science Organismic Biology I (minimum grade of C) Principles of Chemistry II and Principles of Chemistry II Lab (minimum grade of C) Lifetime Wellness or Concepts of Fitness Elementary Statistics (minimum grade of C) Credit Hours  World Culture Elective Organismic Biology II (minimum grade of C)	3 4 4 2 3 16 3 2 4
Second Year Fall AREA E BIOL 2206K CHEM 1212 & 1212L KINS 1106 or PHED 1205 STAT 1401  Spring AREA E AREA I	Behavioral Science Organismic Biology I (minimum grade of C) Principles of Chemistry II and Principles of Chemistry II Lab (minimum grade of C) Lifetime Wellness or Concepts of Fitness Elementary Statistics (minimum grade of C)  Credit Hours  World Culture Elective	3 4 4 4 2 3 16

	Total Credit Hours	123-125
	Credit Hours	17
AREA H	BIOL Senior Elective Option (minimum grade of C)	4
	(minimum grade of C)	7
AREA H	C) BIOL Ecology/Evolution Senior Elective	4
BIOL 4393	Research Presentation (minimum grade of	2
AREA I	Elective	4
AREA C	Humanities	3
Spring		
	Credit Hours	15-17
POLS 1101	American Government	3
PEDS Activity	or o. s. mistory since roos	1
HIST 2111 or HIST 2112	U. S. History to 1865 or U. S. History since 1865	3
	grade of C)	
AREA H	of C) BIOL Organismal Senior Elective (minimum	4
minimum grad BIOL 4795	Capstone Senior Seminar (minimum grade	2
	ours from List 1-3 of Area H (option #3;	
BIOL 4698	Internship (option #2; minimum grade of C)	
BIOL 4392	Undergraduate Research (option #1; minimum grade of C)	
Select one of the		2-4
Fall		
Fourth Year		.5
	Credit Hours	13
& CHEM 3312	and Organic Chemistry II Lab (minimum grade of C)	
CHEM 3112	Organic Chemistry II	4
	(minimum grade of C)	7
AREA H	BIOL Cell/Molecular Senior Elective	4
AREA I	Flective	1
Spring BIOL 3217K	Ecology (minimum grade of C)	4
Coninc	Credit Hours	16
	grade of C)	
& PHYS 1312	and Introductory Physics II Lab (minimum	·
PHYS 1112	Introductory Physics II	4
& CHEM 3311	and Organic Chemistry I Lab (minimum grade of C)	
CHEM 3111	Organic Chemistry I	4
BIOL 3216K	Genetics (minimum grade of C)	4
BIOL 3215K	Cell Biology (minimum grade of C)	4
Fall		
Third Year	Cledit Hours	10
	grade of C)  Credit Hours	16
& PHYS 1311	and Introductory Physics I Lab (minimum	
PHYS 1111	Introductory Physics I	4

## Suggested four year course schedule with MATH 1113 Pre-Calculus or higher.

o calculus	•	0 111
Course	Title	Credit Hours
First Year		
Fall		
Area B2	ITDS 1779 (2), LEAD 1705 (2), PERS 1506 (1; may be repeated with different topic), PERS 1507 (2)	1
AREA C	Fine Arts	3
BIOL 1231K	minimum grade of C	4
BIOL 1715	Professionalism and Careers in Biology (recommended Area F Guided Elective; minimum grade of C)	1
CHEM 1211 & 1211L	Principles of Chemistry I and Principles of Chemistry I Lab (minimum grade of C)	4
ENGL 1101	English Composition I (minimum grade of C)	3
Spring	Credit Hours	16
Spring BIOL 1232K	minimum grade of C	1
CHEM 1212	minimum grade of C Principles of Chemistry II	4
& 1212L	and Principles of Chemistry II Lab (minimum grade of C)	4
ENGL 1102	English Composition II (minimum grade of C)	3
MATH 1113	Pre-Calculus (minimum grade of C) 1	4
	Credit Hours	15
Second Year Fall		
AREA E	Behavioral Science	3
BIOL 2206K	Organismic Biology I (minimum grade of C)	4
CHEM 3111 & CHEM 3311	Organic Chemistry I and Organic Chemistry I Lab (minimum grade of C)	4
KINS 1106	Lifetime Wellness	2
or PHED 1205	or Concepts of Fitness	
STAT 1401	Elementary Statistics (minimum grade of C)	3
	Credit Hours	16
Spring		
AREA E	World Culture	3
AREA I	Elective	2
BIOL 2207K	Organismic Biology II (minimum grade of C)	4
CHEM 3112 & CHEM 3312	Organic Chemistry II and Organic Chemistry II Lab (minimum grade of C)	4
Area B1	COMM 1110 Public Speaking or foreign language 1001, 1002, 2001, 2002	3
	Credit Hours	16

Third Year		
Fall		
AREA C	Humanities	3
BIOL 3215K	Cell Biology (minimum grade of C)	4
BIOL 3216K	Genetics (minimum grade of C)	4
PHYS 1111	Introductory Physics I	4
& PHYS 1311	and Introductory Physics I Lab (minimum grade of C)	
	Credit Hours	15
Spring		
AREA G	Elective (minimum grade of C)	3
BIOL 3217K	Ecology (minimum grade of C)	4
AREA I	Elective	1
AREA H	BIOL Cell/Molecular Senior Elective (minimum grade of C)	4
PHYS 1112	Introductory Physics II	4
& PHYS 1312	and Introductory Physics II Lab (minimum grade of C)	
	Credit Hours	16
Fourth Year		
Fall		
Select one of the following:		2-4
BIOL 4392	Undergraduate Research (option #1; minimum grade of C)	
BIOL 4698	Internship (option #2; minimum grade of C)	
4 additional hours from List 1-3 of Area H (option #3; minimum grade of C)		
BIOL 4795	Capstone Senior Seminar (minimum grade of C)	2
AREA H	BIOL Organismal Senior Elective (minimum grade of C)	4
HIST 2111	U. S. History to 1865	3
or HIST 2112	or U. S. History since 1865	
PEDS Activity		1
POLS 1101	American Government	3
	Credit Hours	15-17
Spring		
AREA I	Elective	4
BIOL 4393	Research Presentation (minimum grade of C)	2
AREA H	BIOL Ecology/Evolution Senior Elective (minimum grade of C)	4
AREA H	BIOL Senior Elective Option (minimum	4
/ VILA II	grade of C)	4
	Credit Hours	14
	Total Credit Hours	123-125
	Total Sicult Hours	123-123

<sup>&</sup>lt;sup>1</sup> MATH 1113 Pre-Calculus has 4 credits. Count 3 credits in Area A and 1 credit in Area F.

### **Admission Requirements**

In order to declare a major in biology, a student is required to have an overall GPA of 2.5.

MATH 1113 Pre-Calculus has 4 credits. Count 3 credits in Area A and 1 credit in Area F.

## **Additional Program Requirements**

Students must receive a grade of "C" or better for all classes in Areas D, F, G, and H. Classes with grades lower than a "C" cannot be used to satisfy prerequisite requirements for courses required in the major. To complete a degree in biology, students must obtain a minimum overall grade point average of 2.0 in all science courses applied to graduation.