

Map for Bachelor of Science in Biological Sciences in Biology Nature and Ecology Track

TOTAL: 120 hours
(Not including SGSC 1000, support courses or PE)

First Year

Fall Semester	Hrs
ENGL 1101 - Composition I	3
MATH 1113 - Pre-calculus	4
CHEM 1211K - Principles of Chemistry I	4
PHED Course	1
SGSC 1000 - South Georgia State College Orientation and Success	1
Area B/C/E Course	3
TOTAL	16

Spring Semester	Hrs
ENGL 1102 - Composition II	3
HLTH 1103-Contemporary Health Issues	2
CHEM 1212K - Principles of Chemistry II	4
BIOL 2107K - Principles of Biology I	4
PHED Course	1
Area B/C/E Course	3
TOTAL	17

Milestones:

Math and English courses require a grade of “C” or better and must be finished within the first 30 hours. First-year overall GPA should be 2.0 or higher.

Milestone Classes BIOL 2107K/2108K (need a C or higher to do well in the program).

Focus courses are taken within the first 30 hours to give a feel of the chosen pathway

Required for all First Time, Full Time Students

Second Year

Fall Semester	Hrs
CHEM 2401K - Organic Chemistry I	4
BIOL 2108K - Principles of Biology II	4
Area D option	4
POLS 1101- American Government	3
DVRS 1101-Topics in Diversity	1
TOTAL	16

Spring Semester	Hrs
CHEM 2402K - Organic Chemistry II	4
HIST 2111/2112	3
Area B/C/E Course	3
Area C ENGL or HUMN	3
Area B/C/E Course	3
TOTAL	16

Milestones:

GPA should be 2.5 or higher, if less, consult an academic advisor for other major options.

If GPA is less than 2.75, a student is no longer competitive for graduate programs consult an academic advisor for options.

Milestone Classes BIOL 2107K/2108K (need a C or higher to do well in the program).

Sequence Alert!! CHEM 2401K is only offered in Fall, and CHEM 2402K is only offered in Spring.

CHEM 1211K/1212K are prerequisites for CHEM 2401K.

CHEM 2401K is a prerequisite for CHEM 2402K.

Third Year

Fall Semester	Hrs	Spring Semester	Hrs
BIOL 3130 - Principles of Genetics	3	BIOL 3545K - Vertebrate Zoology	4
BIOL 3133 - Evolution and Ecology	3	BIOL 3100 - Biochemistry	3
BIOL 2215K - Microbiology	4	BIOL 3440K - Field Biology	4
MATH 1401 - Elementary Statistics	3	BIOL 3500K - Ecology	4
TOTAL	13	TOTAL	15

Milestones:

GPA should be 3.0 minimum.

BIOL 2107K/2108K are prerequisites for BIOL 3130 and BIOL 3133

BIOL 2107K/2108K and CHEM2401K&2402K are prerequisites for BIOL 3100

BIOL 3133 is a prerequisite for BIOL 3500K, BIOL 3440K, BIOL 3630K and BIOL 3545K

Schedule and take GRE, MCAT, etc.

Look into graduate programs and work with an advisor to develop a timeline.

Explore internship options and find a mentor.

Fourth Year

Fall Semester	Hrs	Spring Semester	Hrs
BIOL 4500 - Introduction to Biological Research	3	BIOL 4501 - Senior Seminar	3
BIOL 3630K - Freshwater Ecosystems	4	BIOL 3910 - Topics in Biology	3
BIOL 4090 - Conservation Biology	3	PHIL 3150 - Professional Ethics	3
BIOL 3910 - Topics in Biology	3	BIOL 3950K - Ornithology	4
Free Elective See Below	4	Free Elective See Below	3
TOTAL	17	TOTAL	16

Milestones:

GPA should be 3.0 minimum to remain competitive for graduate schools.

Submit applications to graduate schools in November/December.

BIOL 2107K/2108K are prerequisites for BIOL 3910

BIOL 3133 is a prerequisite for BIOL 3630K

BIOL 3440K is a prerequisite for BIOL 4500

BIOL 3500K is a prerequisite for BIOL 4090

BIOL 4500 is a prerequisite for BIOL 4501

Available Free Electives			
BIOL 2210K	Human Anatomy & Physiology I	BIOL 3400	Cell Biology
BIOL 2211K	Human Anatomy & Physiology II	MATH 2253**	Calculus I
PSYC 2101**	Psychology of Adjustment	MATH 2254**	Calculus II
PSYC 2201**	Abnormal Psychology	MATH 2255**	Calculus III
PSYC 2103**	Introduction to Human Development	PHYS 1111K**	Introductory Physics I
ECON 2105**	Principles of Macroeconomics	PHYS 2211K**	Principles of Physics I
ECON 2106**	Principles of Microeconomics	PHYS 1112K**	Introductory Physics II
SOCI 2293**	Introduction to Marriage and the Family	PHYS 2212K**	Principles of Physics II
BIOL 4400***	Internships in Biological Sciences		

** Can be used for credit unless this course was already used as an elective in Area E or D

*** Must be a biology major with senior standing and BIOL 4500 or permission from the Chair of Sciences and Mathematics.