NAME: _____ ID#:_____

IN EFFECT FALL 2021

ORGANISMAL BIOLOGY
Ecology, Evolution and Behavior Formal Option (ECEB)

FRESHMAN YEAR

ENGL 1100 English Comp I……3	ENGL 1120 English Comp II…….3
CORE FINE ARTS…….....3	CORE HISTORY……3
CHEM 1030 Fund Chemistry I……3	CHEM 1040 Fund Chemistry II…….3
CHEM 1031 Fund Chem Lab I……1	CHEM 1041 Fund Chem Lab II……1
BIOL 1020 Principles of Biology 3	**BIOL 1030 Organismal Biol…….……...3**
BIOL 1021 Principles of Biology Lab 1	**BIOL 1031 Organismal Biol Lab……...1**
BIOL 2100 Professional Development…….1	
15	14

SOPHOMORE YEAR

CORE HUMANITIES…… ……3	CHEM 2030 Survey Organic Chem……3
MATH 1610 Calculus 1……. 4	STAT 2510 Stat Bio & Hlth Sci…...…….…....3
CORE LITERATURE……3	**BIOL 3030 Evolution and Systematics…..……...3**
CORE SOCIAL SCIENCE…… 3	**BIOL 3060 Ecology…….....4**
BIOL 3000 Genetics…….. 3	
BIOL 3001 Genetics Lab……...1	
17	13

JUNIOR YEAR

PHYS 1000 Found. Physics..... 4	CORE SOCIAL SCIENCE OR HUM[2]……...3
Biology Elective……..4	**BIOL 5210[3] or 5240……..4**
BIOL 3200/01, 4010, 4020, or 3100……...4	**Biology Elective…… 4**
Cell Biology…….3	**Quantitative Biology Elective.....……...3**
	Free Elective……3
15	17

SENIOR YEAR

Eco/Evo/Diversity Electives……. 6	**BIOL 5650 Animal Behavior…… 3**
Cell/Mol/Microbiology or Anatomy &	**BIOL 4950 Undergrad. Seminar…….1**
Physiology Elective.....7	**Eco/Evo/Diversity Electives.....4**
CORE LITERATURE OR HIST[1]……... 3	**Quantitative Biology Elective.....4**
BIOL 4AA0 Professional Development II.....0	CORE SOCIAL SCIENCE……...……..3
	*UNIV 4AA0 SM1…….0
16	15

TOTAL HOURS 122

Long range schedules for COSAM courses are online at www.auburn.edu/cosam/students/
Courses in **BOLD** will be used to calculate GPA in major.
Options for courses labeled CORE are in the AU Bulletin (www.auburn.edu/bulletin) under Core Curriculum.

[1] Students must complete a two-course sequence in either HIST or LIT (for example, World History 1 and 2 or American Lit 1 and 2). For complete HIST and LIT sequence options, see the Bulletin.

[2] If a LIT sequence is chosen, this course must be a CORE SOCIAL SCIENCE. If a HIST sequence is chosen, this course must be a CORE HUMANITIES.

[3] If BIOL 5210 is chosen, an additional 1 credit hour of Cell/Mol/Microbiology or Anatomy & Physiology or Eco/Evo/Diversity elective must be completed to fulfill the 4 hour requirement.

[4] Currently not being taught. Take an additional 4 hours of Biology Elective to fulfill the 4 hour requirement.
*Taken semester of Graduation

Ecology, Evolution, Biodiversity Electives

BIOL	3010	Comp. Anat. 4 hrs. FA SP
BIOL	3040	Marine Systems 3 hrs. SP
BIOL	3100	Plant Biology 4 hrs. FA
BIOL	3200	Microbiology 3 hrs. FA SP
BIOL	3201	Microbiology Lab 1 hrs. FA SP
BIOL	4010	Invert Biodiversity 4 hrs. FA
BIOL	4020	Vertebrate Biodiversity 4 hrs. FA SU
BIOL	5090	Conservation Biology 3 hrs. FA
BIOL	5110	Parasitology 4 hrs. FA
BIOL	5120	Systematic Botany 4 hrs. SP
BIOL	5140	Plant Ecology 4 hrs. FA
BIOL	5250	Microbial Evolution 4 hrs.
BIOL	5270	Host-Microbe Interact 3 hrs. SP
BIOL	5380	General Ichthyology 4 hrs. FA
BIOL	5740	Herpetology hrs. FA SP
BIOL	5750	Ornithology 4 hrs. SP
BIOL	5760	Mammalogy 4 hrs. FA
BIOL	5800	Bioinformatics
ENTM	4020	Econ Entomology 4 hrs. FA
ENTM	5300	Syst Entomology 4 hrs. FA
ENTM	5370	Urban Entomology 4 hrs. FA
WILD	5280	Avian Ecology Mgt 3 hrs. FA
WILD	5290	Mammal Eco & Mgt II 3 hrs. SP
WILD	5750	Analysis for Wildlife Sci. 4 hrs. SP
FISH	5220	Water Science 3 hrs. FA
FISH	5320	Limnology 4 hrs. SP
MATH	2660	Linear Algebra 3 hrs. SP FA
NATR	5250	Wetland Eco and Mgt.3 hrs. SP
FOWS	5220	Landscape Ecology 3 hrs. SP
NATR	4240	Watershed Mgt.3 hrs. SP
FORY	5470	GIS App in Nat. 3 hrs. SP FA

Cellular/Molecular/Microbiology Electives

BIOL	3020	Genomic Biology 4 hrs. SP
BIOL	3200	General Microbiology 4 hrs. SP FA
BIOL	3201	General Microbiol Lab 4 hrs. FA SP
BIOL	4003	Histology 3 hrs. FA SP
BIOL	4001	Histology Lab 1 hrs. FA SP
BIOL	4101	Cell Biology Lab 2 hrs. FA SP
BIOL	4410	Vertebrate Dev't 5 hrs. FA
BIOL	5200	Clinical Microbiology 5 hrs. FA
BIOL	5220	Molecular Genetics 3 hrs. FA SP
BIOL	5230	Virology 3 hrs. FA SP
BIOL	5260	Prokaryotic Mol Gen 3 hrs. FA
BIOL	5330	Dev. Genetics 3 hrs. SP
BIOL	5500	Immunology 3 hrs. FA SP
BIOL	5501	Immunology Lab 2 hrs. SP
BIOL	5521	Gene Express & DNA 2 hrs. FA
BIOL	5660	Food Microbiology 4 hrs. SP.
CSES	5060	Soil Microbiology 3 hrs. SP
PLPA	3000	Plant Pathology 4 hrs. FA SP

Anatomy & Physiology Electives

BIOL	3010	Comp Anatomy 4 hrs. FA SP
BIOL	4000	Histology 3 hrs. FA SP
BIOL	4001	Histology Lab 1 hrs. FA SP
BIOL	4410	Vertebrate Dev't 5 hrs. FA
BIOL	5210	Microbial Physiology 3 hrs. SP
BIOL	5240	Animal Physiology 4 hrs. FA
BIOL	5600	Biomedical Phys. 5 hrs. FA SP
ANSC	3600	Reprod. Physiology 4 hrs. FA SP

Quantitative Biology

BIOL	5800	Computational Bio 3 hrs. FA
MATH	2660	Linear Algebra 3 hrs. FA SP
MATH	1620	Calculus II 4 hrs. FA SP
WILD	5750	Analysis for Wildlife Sci. 4 hrs. SP

Biology Electives (In addition to courses listed above that starts with BIOL)

BIOL	2500	Anatomy & Phys I 3 FA SP
BIOL	2501	Anatomy & Phys I Lab 1 FA SP
BIOL	2510	Anatomy &and Phys II 3 hrs. FA SP
BIOL	2511	Anatomy & Phys II Lab1 1 hrs. FA
BIOL	4920	Internship in Biology variable FA SP
BIOL	4970	Special Topics variable FA SP
BIOL	4980	Undergrad Research 6 hrs. max FA SP
BIOL	5800	Intro to Computational Biol 3 hrs. FA