

NAME: _____

ID#: _____

IN EFFECT FALL 2021**ORGANISMAL BIOLOGY: PRE-VETERINARY OPTION (IBIO, PVET)****FRESHMAN YEAR**

ENGL 1100 English Comp I.....	3	ENGL 1120 English Comp II.....	3
CORE HISTORY	3	MATH 1610 Calculus 1	4
CHEM 1030 Fund of Chem I.....	3	CHEM 1040 Fund of Chem II.....	3
CHEM 1031 Chem Lab	1	CHEM 1041 Chem Lab	1
BIOL 1020 Principles of Biol.....	3	BIOL 1030 Organismal Biol.....	3
BIOL 1021 Principles of Biol Lab.....	1	BIOL 1031 Organismal Biol Lab.....	1
BIOL 2100 Professional Development.....	1		
	15		15

SOPHOMORE YEAR

CHEM 2070 Organic Chem I.....	3	CHEM 2080 Organic Chem II	3
CHEM 2071 Organic Lab	1	CHEM 2081 Organic Lab	1
CORE SOCIAL SCIENCE	3	CORE HISTORY or LIT ¹	3
BIOL 3060 Ecology	4	BIOL 3000 Genetics.....	3
CORE LITERATURE	3	BIOL 3030 Evolution & Systematics.....	3
	14	CORE FINE ARTS.....	3
			16

JUNIOR YEAR

BIOL 3100, 3200/3201, 4010, or 4020	4	BIOL 4100 Cell Biology	3
BIOL 4950 Senior Seminar	1	ANSC 3400 Animal Nutrition.....	4
PHYS 1500/1501 Physics I.....	4	PHYS 1510/1511 Physics II.....	4
BCHE 5180 Biochemistry I	3	CORE SOCIAL SCIENCE	3
CORE SOCIAL SCI or HUM ²	3	COMM 1000 Public Speaking	3
	15		17

Students who complete the above 6 semesters and successfully complete the first year of veterinary school may be awarded a B.S. in Organismal Biology. In the event the first year Veterinary College alternative is not followed, the indicated senior year courses must be successfully completed to receive the B.S. in Organismal Biology.

SENIOR YEAR

Eco/Evo/Diversity Electives	5	Biology Elective	4
Cell/Mol/Micro Elective.....	4	Anatomy & Physiology Elective.....	4
Biology Elective	5	Cell/Mol/Micro Elective.....	3
BCHE 5181 Biochem I Lab	1	BCHE 5190 Biochem II	3
BIOL 4AA0 Professional Development II.....	0	BCHE 5191 Biochem II Lab.....	1
	15	*UNIV 4AA0 SM1	0
			15

TOTAL HOURS 122

Long range schedules for COSAM courses are online at <http://aub.ie/cosamlrs>

Courses in **BOLD** will be used to calculate GPA in major.

Options for courses labeled CORE are in the Auburn University 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.

*Taken the 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 hr FA SP
BIOL	4010	Invert Biodiversity 4 hrs. FA
BIOL	4020	Vertebrate Biodiversity 4 hrs. FA
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. FA
BIOL	5380	General Ichthyology 4 hrs. SP
BIOL	5650	Animal Behavior 3 hrs. FA
BIOL	5740	Herpetology 4 hrs. SP
BIOL	5750	Ornithology 4 hrs. SP
BIOL	5760	Mammalogy 4 hrs. FA
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. 2 hrs. FA
WILD	5290	Mammal Ecology Mgt 2 hrs. SP
FISH	5220	Water Science 3 hrs. FA
FISH	5320	Limnology 4 hrs. SP
MATH	2660	Linear Algebra 3 hrs. FA SP
NATR	5250	Wetland Eco and Mgt. 3 hrs. SP
FOWS	5220	Landscape Ecology 3 hrs. SP
NATR	4240	Watershed Mgt. 3 hrs. SP
FOR Y	5470	GIS App Nat.Resource 3 hrs. FA SP

Cellular/Molecular/Microbiology Electives

BIOL	3020	Genomic Biology 4 hrs. SP
BIOL	3200	General Micro. 3 hrs. FA SP
BIOL	3201	General Micro. Lab 1 hrs. FA SP
BIOL	4000	Histology 3 hrs. FA SP
BIOL	4001	Histology Lab 1 hrs. FA SP
BIOL	4101	Cell Biology Lab 2 hrs. FA SP

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

BIOL	2500	Anatomy & Phys. I 3 hrs. FA SP
BIOL	2501	Anatomy & Phys. I Lab 1 hrs. FA SP
BIOL	2510	Anatomy & Phys. II 3 hrs. FA SP
BIOL	2511	Anatomy & Phys. II Lab 1 hrs. FA SP
BIOL	3001	Genetics Lab 1 hr. FA SP
BIOL	4920	Internship in Biology 6 hrs max FA SP
BIOL	4970	Special Topics variable FA SP
BIOL	4980	Undergrad. Research 6 hrs. max
BIOL	5800	Intro Computational Biol 3 hrs. FA

BIOL	4410	Vertebrate Dev't 5 hrs.
BIOL	5050	Intro. To Biophysics 2 hrs. SP
BIOL	5200	Clinical Micro. 5 hrs. FA
BIOL	5210	Microbial Phys. 3 hrs. SP
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	5370	Molecular Eco. 3 hrs.
BIOL	5500	Immunology 3 hrs. FA SP
BIOL	5501	Immunology Lab 2 hrs. SP
BIOL	5550	Nanomedicine 2 hrs. SP
BIOL	5521	Gene Express & DNA 2 hrs. FA
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

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

BIOL	2500	Anat. & Phys. I 3 hrs. FA SP
BIOL	2501	Anat. & Phys. I Lab 1 hr. FA SP
BIOL	2510	Anat. & Phys. II 3 hrs. FA SP
BIOL	2511	Anat. & Phys. II Lab 1 hr. FA SP
BIOL	4920	Biology Internship 6 hrs. max FA SP
BIOL	4970	Special Topics FA SP variable hours
BIOL	4980	Undergrad Research 6 hrs. max FA SP
BIOL	5800	Computational Bio 3 hrs. FA