

NORTH CAROLINA AGRICULTURAL AND TECHNICAL STATE UNIVERSITY
COLLEGE OF AGRICULTURE AND ENVIRONMENTAL SCIENCES
DEPARTMENT OF ANIMAL SCIENCES

B.S. LABORATORY ANIMAL SCIENCE DEGREE

CURRICULUM GUIDE FOR LABORATORY ANIMAL SCIENCE MAJOR

Fall Semester – Year 1		Spring Semester – Year 1	
ENGL 100-Ideas and their Expressions I	3	ENGL 101-Ideas and their Expressions II	3
LIBS 202 ³ -Introduction to African American Studies	3	MATH 112-Calculus for Business and Tech	4
MATH 111*-College Algebra & Trigonometry	4	BIOL 100 or 101-Biological Sci, Concepts of Biology	4
LASC 161-Intro to Lab Ani, Ani. Ind. & Ani Sci. Orient.	1	ANSC 163-Animal & Lab Animal Science	3
LASC 162-Intro to Animal and Laboratory Ani Sci	3	ANSC 163-Animal & Lab Animal Science lab	0
FRST 101- College Success	1	HIST 106 ² -African American History to 1877	3
HPED Elective ⁵	1		
Total Credit Hours:	16	Total Credit Hours:	17
Fall Semester – Year 2		Spring Semester – Year 2	
CHEM 106-General Chemistry VI	3	CHEM 107-General Chemistry VII	3
CHEM 116-General Chemistry Lab	1	CHEM 117-General Chemistry VII Lab	1
HIST 130 ⁴ -The Contemporary Global Experience	3	PSYC 101-General Psychology	3
ENGL 200-Survey of Humanities I	3	ANSC 212-Feeds and Feeding	3
LASC 261-Medical Terminology	3	MATH 224-Intr. Probability & Statistics	3
ANSC 214-Agricultural Genetics	3	SPCH 250- Speech Fundamentals	3
Total Credit Hours:	16	Total Credit Hours:	16
Fall Semester – Year 3		Spring Semester – Year 3	
CHEM 221-Organic Chemistry I	3	CHEM 222-Organic Chemistry II	3
CHEM 223-Organic Chemistry I Lab	1	CHEM 224-Organic Chemistry II Lab	2
LASC 459-Integrated Anatomy	4	LASC 460-Microscopic Anatomy	3
LASC 459-Integrated Anatomy Lab	0	LASC 460-Microscopic Anatomy Lab	0
LASC 365-Biology, Diseases & Care of Lab Animal	4	PHYS 226-College Physics I	3
PHYS 225-College Physics	3	PHYS 236-College Physics I Lab	1
PHYS 235-College Physics Lab	1		
Total Credit Hours:	16	Total Credit Hours:	12
Fall Semester – Year 4		Spring Semester – Year 4	
CHEM 251-Elementary Biochemistry	2	BIOL 221-General Microbiology	4
CHEM 252-Elementary Biochemistry Lab	1	LASC 436 ¹ or ANSC 437, 431	3
MGMT 110-Business Environment	3	LASC 461 ¹	3
LASC 462-Principles of Medical Sciences	3	LASC 453-Lab Animal Mgmt & Clinical Tech (CAP)	4
LASC 489-Seminar in Laboratory Ani Sci	1		
LASC 398 or 498 (Capstone)	3		
Total Credit Hours:	13	Total Credit Hours:	14

- The student in consultation with advisor should choose major and other electives
- Special consideration to changes in the curriculum will be considered based upon Students career goals
- General Education Requirements are indicated in bold font
- Management courses may range from MGMT 110 and/or 201

¹Other Major courses which could be selected if needed: ANSC 451, LASC 464, 467,

²The following courses can be used for a social/behavioral science: SOCI 200; African American: HIST 107, 103

³The following courses can be used for humanities/fine arts: ENGL 201, 230; SPAN 101, 102; MUSI 216; PHIL 101, 104
266, 267; African American: ENGL 333, 334; MUSI 220

⁴Global Awareness Studies: HIST 207, HIST 231, 216, PHIL 103, or 201

⁵HPED Electives include (HPED 104, 105, 119, 126)

*Math 111 (SAT Math Score 520-570, ACT Math Score 21-23)-Otherwise students of 480-510 will take Math 103 and 104 and then proceed to Math 112.

Total Credit Hours for Degree Program: 120