



**NORTH CAROLINA AGRICULTURAL AND TECHNICAL STATE UNIVERSITY**  
**SCHOOL 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 Expression I	3	ENGL 101-Ideas and their Expression II	3
PHIL 268 <sup>2</sup> -Introduction to Ethics	3	MATH 112-Calculus for Non-Math Majors	4
HPED 200 <sup>1</sup> -Personal Health	2	BIOL 100 or 101-Biological Sci, Concepts of Biology	4
LASC 161-Orientation	1	ANSC 211-Animal & Lab Animal Science	3
FRST 100- University Survival	1	HIST 201 <sup>2</sup> -African American History to 1877	3
LASC 162-Into to Animal and Laboratory Ani Sci	3	FRST 101-College Success	1
MATH 111*-College Algebra & Trigonometry	4		
<b>Total Credit Hours:</b>	<b>17</b>	<b>Total Credit Hours:</b>	<b>18</b>

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 <sup>4</sup> -The World Since 1945	3	PSYC 320-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 communications	3
<b>Total Credit Hours:</b>	<b>16</b>	<b>Total Credit Hours:</b>	<b>16</b>

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	2	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	SOCI 100 <sup>2</sup> -Principles of Sociology	3
PHYS 225-College Physics	3	PHYS 226-College Physics I	3
PHYS 235-College Physics Lab	1	PHYS 236-College Physics I Lab	1
<b>Total Credit Hours:</b>	<b>17</b>	<b>Total Credit Hours:</b>	<b>15</b>

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 636 or ANSC 665, 611	3
MGMT 220-Business Environment	3	LASC 461 or ANSC 451	3
LASC 462-Principles of Medical Sciences	3	LASC 653-Lab Animal Mgmt & Clinical Tech	4
LASC 569-Seminar in Laboratory Ani Sci	1		
LASC 363 or 463 (Capstone)	3		
<b>Total Credit Hours:</b>	<b>13</b>	<b>Total Credit Hours:</b>	<b>14</b>

Notes:

- 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
- Management courses may range from MGMT 220 and/or 422

<sup>1</sup>Any (2) 1 credit hour HPED courses may be selected

<sup>2</sup>The following courses can be used for a social/behavioral science: SOCI 200; African American: HIST 202,203

<sup>3</sup>The following courses can be used for humanities/fine arts: ENGL 201, 206; SPAN 101, 102; MUSI 216; PHIL 260, 266, 267; African American: ENGL 209; LIBS 202, 223, 241; MUSI 220

<sup>4</sup>Social and Behavioral Science Global Awareness Studies: HIST 231 or Humanities and Fine Arts Global Awareness Studies: PHIL 265; ENGL 230, 231

\*Math 111 (Sat qualification is 490-550)-Otherwise students of 440-480 will take Math 103 and 104  
And then proceed to Math 112.

**Total Credit Hours for Degree Program: 126**