

NORTH CAROLINA AGRICULTURAL AND TECHNICAL STATE UNIVERSITY
 COLLEGE OF AGRICULTURE AND ENVIRONMENTAL SCIENCES
 DEPARTMENT OF ANIMAL SCIENCES
 B.S. ANIMAL SCIENCE DEGREE
 CURRICULUM GUIDE FOR 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 202³-Introduction to African American Studies	3	MATH 112-Calculus for Business and Tech	4
LASC 161-Intro to Lab Ani, Ani. Ind. & Ani Sci. Orient.	1	ANSC 163-Animal & Lab Animal Science w/lab	3
LASC 162-Intro to Animal and Laboratory Ani Sci	3	BIOL 100 or 101-Biological Sci or Concepts in Bio	4
MATH 111*-College Algebra & Trigonometry*	4	HIST 106²-African American History to 1877	3
FRST 101 – College Success	1		
Total Credit Hours:	15	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 130⁴- The Contemporary Global Experience	3	ENGL 200-Survey of Humanities I	3
ANSC 214-Agricultural Genetics	3	MATH 224-Intro Probability & Statistics	3
LASC 261-Medical Terminology	3	ANSC 212-Feeds and Feeding	3
PSYC 101-General Psychology	3	HPED Elective ⁵	2
Total Credit Hours:	16	Total Credit Hours:	15
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
ANSC 411-Livestock Production	3	BIOL 220- Microbiology or BIOL 221 Gen. Microbiology	4
ANSC 411-Livestock Production Lab	0	ANSC 451-Poultry Production	3
LASC 459-Integrated Anatomy	4	ANSC 451-Poultry Production Lab	0
LASC 459-Integrated Anatomy Lab	0	LASC 460-Microscopic Anatomy	3
PHYS 225-College Physics	3	LASC 460-Microscopic Anatomy Lab	0
PHYS 235-College Physics Lab	1		
Total Credit Hours:	15	Total Credit Hours:	15
Fall Semester – Year 4		Spring Semester – Year 4	
CHEM 251-Elementary Biochemistry	2	LASC 461-Physiology of Domestic Animals	3
CHEM 252-Elementary Biochemistry Lab	1	Major Elective ¹	3
PHYS 226-College Physics I	3	ANSC 437-Biotechnology w/Lab	3
PHYS 236-College Physics I Lab	1	ANSC 435 (Capstone)	3
SPCH 250-Speech Fundamentals	3	ANSC 416-Swine Production w/Lab	3
ANSC 413-Sanitation & Diseases of Farm Animals	2		
Total Credit Hours:	12	Total Credit Hours:	15

- 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

¹Major electives include (ANSC 312, 415, 421, 455, 432, 436; LASC 398, 498, 472)

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 231, 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

NORTH CAROLINA AGRICULTURAL AND TECHNICAL STATE UNIVERSITY
COLLEGE OF AGRICULTURE AND ENVIRONMENTAL SCIENCES
DEPARTMENT OF ANIMAL SCIENCES
B.S. ANIMAL SCIENCE DEGREE

CURRICULUM GUIDE FOR ANIMAL SCIENCE w/concentration in ANIMAL INDUSTRY

Fall Semester – Year 1		Spring Semester – Year 1	
ENGL100-Ideas and their Expressions I	3	ENGL 101-Ideas and their Expressions II	3
MATH 101- Fund Algebra & Trig I	3	MATH 102-Fundamental Algebra & Trig II	3
LASC 161-Intro to Lab Ani, Ani. Ind. & Ani Sci. Orient.	1	ANSC 163-Animal & Lab Animal Science w/lab	3
LASC 162-Intro to Animal and Laboratory Ani Sci	3	LIBS 202³-Intro to African American Studies	3
BIOL 100 or 101-Biological Sci. or Concepts in Bio.	4	HIST 106²-African American History to 1877	3
FRST 101- College Success	1		
Total Credit Hours:	15	Total Credit Hours:	15
Fall Semester – Year 2		Spring Semester – Year 2	
CHEM 100-Physical Science	3	CHEM 104-General Chemistry IV	3
CHEM 110-Physical Science Lab	1	CHEM 114-General Chemistry IV Lab	1
HIST 130⁴-The Contemporary Global Experience	3	ABM 330-Intro Agri Economics	3
ACCT 210-Fund Acct Decision Making	3	ANSC 212-Feeds and Feeding	3
ANSC 214-Agricultural Genetics	3	BIOL 220 or 221-Basic Micro, Gen Micro	4
ABM 240-Intro to Computers in Agribusiness	3	ENGL 200- Survey of Humanities I	3
Total Credit Hours:	16	Total Credit Hours:	17
Fall Semester – Year 3		Spring Semester – Year 3	
ECON 201-Prin of Economics-MACRO	3	ANSC 451-Poultry Production	3
ABM 434-Marketing Ag Products	3	ANSC 451-Poultry Production Lab	0
ABM 436-Agricultural Prices	3	MGMT 201-Principles of Management	3
ANSC 411-Livestock Production	3	LASC 398-Internship I	3
ANSC 411-Livestock Production Lab	0	LASC 261-Medical Terminology	3
LASC 365-Biology, Diseases & Care LASC	4	PSYC 101-General Psychology	3
LASC 365-Biology,Diseases & Care LASC Lab	0		
Total Credit Hours:	16	Total Credit Hours:	15
Fall Semester – Year 4		Spring Semester – Year 4	
ABM 438-Resource and Environ. Econ. And Pol.	3	ANSC 416-Swine Production	3
ANSC 455-Advanced Com. Poultry Management	4	ANSC 416-Swine Production Lab	0
ANSC 413-Sanitation and Disease	2	ANSC 435-Special Problems in Ani Sci (Capstone)	3
LASC 489-Seminar in Animal Science	1	SPCH 250 Speech Fundamentals	3
LASC 459-Integrated Anatomy w/Lab	4	ABM 450-Agricultural Cooperative	3
Total Credit Hours:	14	Total Credit Hours:	12

- 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 201 and/or 221
- Courses needed for a Certificate in Equine Management: ANSC 218, 219, 220, 313, 314, and LASC 398.

¹Major electives include (ANSC 312,415,421, 455; LASC 261)

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)

Total Credit Hours for Degree Program= 120 hours

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

