

**COLLEGE OF BASIC AND APPLIED SCIENCES
UPPER DIVISION FORM 2020-2021 CATALOG**

Student name: _____ M #: _____
 Major: ANIMAL SCIENCE Minor: SECONDARY EDUCATION
 Concentration: LICENSURE E-mail: _____

Instructions: For students graduating Summer 2020 or later, one (1) copy signed by major and minor advisors should be filed in DSB 120 three semesters before anticipated graduation. The Intent to Graduate form must also be filed in DSB 120 at the time of Upper Division Form submission.

| General Education | Course | Semester | Grade | Notes | Credit Hours |
|--|-----------|----------|-------|--|--------------|
| COMMUNICATION (9 hours) | ENGL 1010 | | | C- or better | 3 |
| | ENGL 1020 | | | Preq: ENGL 1020 with C- or better | 3 |
| | COMM 2200 | | | | 3 |
| HISTORY (6 hours) Choose two: HIST 2010, HIST 2020, or HIST 2030 | | | | | 3 |
| | | | | | 3 |
| HUMANITIES/FINE ARTS (9 hours) Choose one: ENGL 2020, 2030, or HUM 2610 Choose two different subjects: ANTH 2210; ART 1030 or 1920; DANC 1000; HIST 1010, 1020, 1110, or 1120; MUS 1030; PHIL 1030; THEA 1030 | | | | | 3 |
| | | | | | 3 |
| | | | | | 3 |
| MATHEMATICS (3 hours) Choose one: MATH 1010, 1530, 1630, 1710 , 1720, 1730, 1810, 1910 | | | | ** MATH 1710 RECOMMENDED ** | 3 |
| NATURAL SCIENCES (8 hours) Choose two different subjects: ASTR 1030/1031, BIOL 1030/1031 , BIOL 1110/1111, BIOL 2010/2011, BIOL 2020/2021, CHEM 1010/1011, CHEM 1030/1031, CHEM 1110/1111, GEOL 1030/1031, GEOL 1040/1041, PGEO 1030, PHYS 1110, PHYS 2010/2011, PHYS 2110/2111, PSCI 1030/1031 , PSCI 1130/1131 | | | | BIOL 1030/1031 required for major | 4 |
| | | | | PSCI 1030/1031 required for major | 4 |
| SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose two different subjects: AAS 2100, ANTH 2010, ECON 2410, ECON 2420, GEOG 2000, GS 2010, HLTH 1530/1531, JOUR/EMC/RIM 1020, PS 1010, PS 1005, PSY 1410, RS 2030, SOC 1010, SOC 2010, WGST 2100 | | | | | 3 |
| | | | | | 3 |
| Hours Required | | | | | 41 |

| Major Courses (2.0 GPA required) | Course | Semester | Grade | Notes | Credit Hours |
|---|---------------------------|----------|-------|---|--------------|
| Orientation in Agriculture | AGRI 1000 | | | | 1 |
| Introduction to Animal Science OR Introduction to Animal & Veterinary Sciences | ANSC 1410 | | | ANSC 1401 is also acceptable | 3 |
| Elements of Plant Science | PLSO 1610 | | | | 3 |
| Introduction to Agricultural Engineering | AGRI 2210 | | | | 3 |
| Introduction to Agricultural Education & Leadership | AGED 2230 | | | *will be applying to teacher education | 3 |
| Principles of Agricultural Economics | AGBS 3130 | | | | 3 |
| Fundamentals of Soil Science | PLSO 3340 | | | | 3 |
| Animal Breeding and Genetics | ANSC 3420 | | | Preq: ANSC 1410; BIOL 1110/1120; Jr. standing | 3 |
| Livestock Management | ANSC 3440 | | | Preq: ANSC 1410 | 3 |
| Horticulture in Our Lives OR Greenhouse Management | PLSO 3600 OR PLSO 4620 | | | | 3 |
| Leadership in Agricultural Industries | AGRI 4250 | | | *SEE ADVISOR; can also take AGRI 3010 | 3 |
| Animal Nutrition | ANSC 4410 | | | Preq: ANSC 1410; CHEM 1020/21 or 1120/21 | 3 |
| Domestic Animal Reproductive Physiology | ANSC 4510 | | | | 3 |
| ANSC Elective | | | | | 3 |
| ANSC Elective | | | | | 3 |
| Hours Required | | | | | 43 |

| Supporting Courses | | | | | |
|--|----------------|----------|-------|--|--------------|
| Supporting and Elective Courses | Course | Semester | Grade | Notes | Credit Hours |
| Methods of Teaching Agriscience & Agricultural Mechanics | AGED 4220 | | | | 3 |
| Adult & Youth Leadership Development in Agricultural Organizations | AGED 4230 | | | | 3 |
| Exploring Life | BIOL 1030/1031 | | | Credits can count in general education | 0-4 |
| Topics in Physical Science | PSCI 1030/1031 | | | Credits can count in general education | 0-4 |
| Hours Required | | | | | 6-14 |

| MTeach SECONDARY EDUCATION MINOR | | | | | |
|--|-----------|----------|-------|---|--------------|
| Minor Courses (2.0 GPA required) | Course | Semester | Grade | Notes | Credit Hours |
| Inquiry Approaches to Teaching | MSE 1010 | | | | 1 |
| Inquiry Lesson Design | MSE 2010 | | | Preq: MSE 1010 | 1 |
| Knowing & Learning in Science & Mathematics | YOED 3520 | | | Pre or Co-Req: MSE 2010 | 3 |
| Classroom Interactions in Mathematics & Science | YOED 3550 | | | Preq: YOED 3520; must be admitted to teacher education program to register | 3 |
| Perspectives on Science & Math | PHIL 3120 | | | ** SEE ADVISOR; TAKE AGRI 4740 instead | 3 |
| Project-Based Instruction in Mathematics & Science | YOED 4050 | | | Preq: YOED 3550; must take same semester as YOED 4040 | 3 |
| Residency I: MTeach | YOED 4040 | | | Must take same semester as YOED 4050 | 4 |
| Residency II: | YOED 4400 | | | Preq: YOED 2500, 3000, 3300, 4030 with a grade of B or better; passing score on specialty area PRAXIS II; overall GPA of 2.75; major GPA of 2.5; Sr. standing | 12 |
| Hours Required | | | | | 30 |

1. Degrees require a minimum of 120 semester hours completed with a cumulative and major GPA of 2.0 or higher. Minimum of 36 upper-division hours (3000/4000 level) and a minimum of 50 senior college hours (earned at four-year University) also required.
2. A minimum of 12 credits must be earned at the 3000/4000 level in each major

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|----------------|----------------------|-------------|
| Signed: | | |
| | Major Advisor | Date |