

Degree Plan Requirements

Requirements leading to the Master of Science degree (for Animal Science, Animal Breeding, and Reproductive Physiology) :

◦32 graduate credit hours beyond the B.S. degree; general requirements are:

1. Minimum of 5 hrs in statistics
 - i) STAT 651- Statistics in Research I. credit 3
 - ii) STAT 652- Statistics in Research II. credit 3
 - iii) ANSC 622- Research Methods in Animal Science. Credit 2
2. Graduate seminar -ANSC 681 or ANSC 682 (1 hr.)
3. No more than 8 hours of ANSC 691 (Research) or ANSC 685 (Directed Studies)
4. No more than 9 hours of upper level (300 and 400) undergraduate courses
5. See Graduate Catalog for additional requirements.

◦A thesis written on original research as directed by student's advisory committee. The thesis seminar will be announced for public attendance prior to the final exam by the advisory committee.

Requirements leading to the Master of Agriculture degree for Animal Science:

◦36 graduate credit hours beyond the B.S. degree; general requirements are:

- A. Animal Science Production – minimum of 3 hours selected from the following or equivalent courses:
 - ANSC 406 – Beef Cattle Production and Management (3-2) Credit 4
 - ANSC 412 – Swine Production and Management (3-2) Credit 4
 - ANSC 414 – Sheep and Goat Production and Management (3-2) Credit 4
 - ANSC 420 – Equine Production and Management (3-2) Credit 4
 - ANSC 605 – Advancements in Beef Cattle Production (3-0) Credit 3
 - ANSC 608 – Beef Cattle Management (3-0) Credit 3
- B. Management – minimum of 3 hours selected from the following or equivalent courses:
 - MGMT 626 – Teams in Organizations (3-0) Credit 3
 - MGMT 630 – Behavior in Organizations (3-0) Credit 3
 - MGMT 640 – Managing for Creativity and Innovation (3-0) Credit 3
 - MGMT 655 – Survey of Management (3-0) Credit 3
 - MGMT 658 – Managing Projects (3-0) Credit 3. Graduate seminar -ANSC 689 (1 hr.)
2. No more than 9 hours of upper level (300 and 400) undergraduate courses
3. Maximum of 8 hours of ANSC 684- Professional Internship credits
4. Maximum 8 hours of ANSC 685- Directed Studies
5. Combination of 684 and 685 hours must not exceed 25% of the degree plan (9 hours).
6. No ANSC 691- Research credit hours may be used

◦This is a non-thesis degree. The professional internship seminar will be announced for public attendance prior to the final exam by the advisory committee.

Requirements leading to the Master of Equine Industry Management degree:

◦21 required graduate credit hours and 15 elective hours

A. Required Courses

- ANSC 621– Issues in the Equine Industry (Credit 3)
- ANSC 612- Equine Reproduction (Credit 3)
- ANSC 611- Equine Nutrition (Credit 3)
- VLCS 422- Equine Disease and Epidemiology (Credit 3)
- ANSC 685- Directed studies (Credit 3)
- ANSC 684- Professional Internship (Credit 6)

B. Elective Courses:

- ALED 340- Professional Leadership Development (Credit 3)
- MGMT 675- Leadership & Organizations (Credit 3)
- AGCJ 303 – Agriculture Media Writing II (Credit 3)
- AGCJ 306- Theory of Ag Public Relations (Credit 3)
- AGCJ 404- Communicating Ag Information to the Public (Credit 3)
- AGECE 619- Managerial Economics in Agribusiness (Credit 3)
- MKTG 621- Survey of Marketing (Credit 3)
- MKTG 656- Marketing Communications Management (Credit 3)
- MKTG 658- Managing Projects (Credit 3)

2. No more than 9 hours of upper level (300 and 400) undergraduate courses

3. Combination of 681 and 685 hours must not exceed 25% of the degree plan (9 hours).

4. No ANSC 691- Research credit hours may be used

◦This is a non-thesis degree. The professional internship seminar will be announced for public attendance prior to the final exam by the advisory committee.

Requirements leading to the Master of Agriculture- Emphasis in the Meat Industry (Proposed degree):

Proposed Requirements:

Additional Entrance Requirements:

- A letter requesting admission to the MAgMI program to current Associate Head for Graduate Programs and current chair of the MAgMI program executive program.
 - Additional application for the executive committee
 - Interview for those with “acceptable” written applications
- 6 credit hours- 21 “Required Credits,” 15 “Prescribed Electives”

Required Credits

- ANSC 681- Seminar
- ANSC 684- Professional Internship
- ANSC 647- Technology of Meat Processing and Distribution
- ANSC 667- Industrial Processed Meat Operations
- ANSC 689- Current Issues in Animal Agriculture
- ANSC 657- HAACP **or** ANSC 637- Food Safety Policy & Regulatory Issues
- ANSC 489- Applied Data Management **or** ANSC 489- Quality Food Systems

Prescribed Elective Options

- ANSC 607- Physiology and Biochemistry of Muscle as Food
- ANSC 627- Carcass Composition and Quality
- ANSC 687- Sensory Evaluation of Food
- POSC 628- Advanced Poultry Processing
- AGECE 619- Managerial Economics in Agribusiness
- ALED 401- Professional Leadership Development
- MGMT 658- Managing Projects
- MGMT 675- Leadership in Organizations
- MKTG 621- Survey of Marketing
- MKTG 650- Analysis of Consumer Behavior
- MKTG 671- Product Innovation

Requirements leading to the Doctor of Philosophy degree (for Animal Science, Animal Breeding, and Reproductive Physiology):

◦64 graduate credit hours beyond the M.S. degree (or 96 hours beyond the B.S. degree in cases where no M.S. degree is obtained); general requirements are:

1. Ph.D. required courses
 - A. Statistics – minimum of 6 hrs selected from the following or equivalent courses:
 - STAT 651 – Statistics in Research I (3-0) Credit 3
 - STAT 652 – Statistics in Research II (3-0) Credit 3
 - ANSC 622 – Research Methods in Animal Science (2-0) Credit 2
 - B. Graduate Seminar
 - ANSC 681 (682) – Research Seminar (1-0) Credit 1
 - C. Biochemistry – minimum of 6 hrs selected from the following or equivalent courses:
 - BICH 601 – Fundamentals of Biochemistry I (3-0) Credit 3
 - BICH 602 – Fundamentals of biochemistry II (3-0) Credit 3
 - ANSC 689 (619) – Physiological Chemistry of Livestock Species (3-0) Credit 3
2. Graduate seminar (1 hr.)
3. Students who accumulate more than 99 semester credit hours may be required to pay out-of-state tuition on any additional hours.
4. See Graduate Catalog for additional comments.

◦A dissertation written on original research as directed by the student's advisory committee. The dissertation seminar will be announced for public attendance prior to the final exam by the advisory committee

Three letters of recommendation also are required and may be submitted through the online application process or mailed to:

Dr. David Forrest
Department of Animal Science
2471 TAMU
Texas A&M University
College Station, TX 77843-2471
Please mail official transcripts to:

Graduate Admissions
P.O. Box 30014
College Station, TX 77842-3014

Any questions may be directed to:

Dr. David Forrest *Associate Head for Academic Programs*
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