Department of Animal and Food Sciences

Program Type: 

Degree Type: 

Program Name:\* 

Professional Science Master in Animal and Food Sciences

Provide a brief summary of the proposed program changes and describe the rationale for the change(s):

The Department of Animal & Food Sciences offers B.S. degrees in Animal Science, Pre-veterinary Medicine and Animal Biosciences, and Food Science.  We anticipate that a new Professional Science M.S. (PSM) degree in Animal and Food Sciences will serve the needs of multiple groups of individuals.  First, we have a successful program that in 2017, placed approximately 35 of 45 students of our students that applied to Veterinary Schools.  Almost all students who are not accepted to Veterinary School on their first attempt, continue to apply a second or even third time.  Thus, gaining more educational experience and showing an ability to excel in graduate level courses readily assists these students during their subsequent applications. Graduates that major in animal science are interested in pursuing careers in the animal industries and the PSM can provide graduates with new tools for pursuing a science-related careers in cooperative extension, industry, government, service, non-profit or other fields related to the animal and/or food sciences. Thirdly, there are individuals in the workplace that seek additional training that can be used to enhance their core competencies in an ever rapidly evolving job market.

List new courses required for the new curriculum. How do they support the overall program objectives of the major/ minor/ concentrations)?

No new courses are required however the new curriculum includes courses grouped into the topics below which when combined with the animal or food science core, will prepare graduates for leadership and administrative positions in science-related careers in cooperative extension, industry, government, service, non-profit or other fields related to the animal and/or food sciences.

Ethics Course

UAPP 650 - Values and Ethics of Leadership (3cr.)

BUAD 840 - Ethical Issues in Domestic and Global Business Environments (3cr.)

Leadership and Organization

BUAD 870 - Managing People, Teams, and Organizations (3cr.)

BUAD 878 - Leading Across Boundaries (3 cr.)

UAPP 604 - Leadership in Organizations (3cr.)

UAPP 697 - Leading Organizations in Public & NP Sectors (3cr.)

Project Management, Operations or Entrepreneurship

BUAD 835 - Managing New Product Development Projects (3cr.)

ENTR 616 – Applied Creativity (3cr.)

ENTR 658 – Application Development for New Technology (3 cr.)

ENTR 660 - High Technology Entrepreneurship (3cr.)

MISY 840 - Project Management and Costing (3cr.)

UAPP 689 - Information Technology & Management of Public & NP Orgs (3cr.) UAPP 684 Performance Management and Program Evaluation  (3cr.)

   Statistics

·STAT 608 -Surveys and Economic Experiments

·BISC 643 - Biological data analysis

·STAT 656 – Biostatistics

Identify other units affected by the proposed changes and provide letters of support from those units. :

The curriculum includes courses from APEC/STAT, ENTR, UAPP, BUAD, BISC and MISY. Letters of support from those departments are attached.  Also attached is a letter of support from the library.

Prospective Curriculum:\*

Sixteen credit hours of graduate-level courses incluing ANFS 665.  Twelve of the credit hours must be ANFS courses with a focus on animal science OR food science.

Courses

ANFS 665 Seminar (1 to 3cr.)

Ethics Course

Select one of the following (3 cr.)

Courses

BUAD 840 Ethical Issues in Domestic and Global Business Environments (3cr.)

UAPP 650 Values and Ethics of Leadership (3cr.)

Problem-Solving Project (5 cr.)

Description

The degree candidate will prepare and submit a problem-solving project report under the supervision of their faculty advisor. This project may be an action program, the development of a plan to address a pertinent problem, the development of materials or methodology suited to the student's situation, or the development and execution of research appropriate to the profession. A formal project report must be submitted to and approved by the candidate's faculty advisor and the ANFS graduate committee.  A maximum of five-credit hours are awarded for satisfactory completion of this project paper.  Upon completion of the paper, the student shall be required to present a public seminar on the work and to pass an oral examination given by the candidate's committee. This examination shall cover both course-work and the paper.

Courses

ANFS 666 SPECIAL PROBLEM (1 to 12cr.)

PSM Plus Courses

Select two courses (6 cr)

BISC 643 Biological data analysis (3cr.)

BUAD 835 Managing New Product Development Projects (3cr.)

BUAD 870 Managing People, Teams, and Organizations (3cr.)

BUAD 878 Leading Across Boundaries (3cr.)

ENTR 616 Applied Creativity (3cr.)

ENTR 660 High Technology Entrepreneurship (3cr.)

MISY 840 Project Management and Costing (3cr.)

STAT 656 Biostatistics (3cr.)

UAPP 604 Leadership in Organizations (3cr.)

UAPP 684 Performance Management and Program Evaluation (3cr.)

UAPP 689 Information Technology & Management of Public & NP Orgs (3cr.)

UAPP 697 Leading Organizations in Public & NP Sectors (3cr.)

APEC 609 Surveys and Economic Experiments (3cr.)

ENTR 658 App Development for New Technology (3cr.)

ANFS - 665 - Seminar (1 to 3cr.)

ANFS - 666 - SPECIAL PROBLEM (1 to 12cr.)

APEC - 609 - Surveys and Economic Experiments (3cr.)

BISC - 643 - Biological data analysis (3cr.)

BUAD - 835 - Managing New Product Development Projects (3cr.)

BUAD - 840 - Ethical Issues in Domestic and Global Business Environments (3cr.)

BUAD - 870 - Managing People, Teams, and Organizations (3cr.)

BUAD - 878 - Leading Across Boundaries (3cr.)

ENTR - 616 - Applied Creativity (3cr.)

ENTR - 658 - App Development for New Technology (3cr.)

ENTR - 660 - High Technology Entrepreneurship (3cr.)

MISY - 840 - Project Management and Costing (3cr.)

STAT - 656 - Biostatistics (3cr.)

UAPP - 604 - Leadership in Organizations (3cr.)

UAPP - 650 - Values and Ethics of Leadership (3cr.)

UAPP - 684 - Performance Management and Program Evaluation (3cr.)

UAPP - 689 - Information Technology & Management of Public & NP Orgs (3cr.)

UAPP - 697 - Leading Organizations in Public & NP Sectors (3cr.)

Preview Curriculum View Curriculum Schema View Curriculum Courses