DAIRY SCIENCE

Faculty:
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The curriculum in Dairy Science emphasizes the basic sciences, economics, and general education, as well as courses in professional dairy science. As a result, the students are prepared to enter a wide variety of occupations directly and indirectly related to the field of specialization.

With a 95% rate of placing graduates within six months of graduation, there is a variety of employment opportunities for Dairy Science graduates. Opportunities are found principally in six occupational categories: sales and service, production, teaching, veterinary medicine, research and agribusiness. The drug and feed industries are particularly interested in dairy science graduates for sales and administrative positions. Service opportunities are available in state and federal civil services, artificial insemination, state extension services, dairy plant and farm inspection, and cooperatives offering supplies and services to the dairyman.

A number of graduates enter productive farming as dairy herd managers, farm managers, and farm owners. Teaching at the secondary school level in the sciences has become an increasingly popular field for graduates in dairy science. In recent years, graduate work leading to industrial research and college teaching positions has been attracting a number of graduates.

Students interested in attending veterinary school can meet the requirements for veterinary programs offered in the United States through the Dairy Science program. Veterinary schools have unique admission requirements; thus, students should choose their undergraduate elective credits carefully to meet Veterinary School requirements.

The total number of credits required for graduation with a degree in Dairy Science is 131, which includes 4 credits for completion of the Employment Program.

RECOMMENDED COURSE SEQUENCE

FRESHMAN YEAR
First Semester
Course No. Course Title Credits
AS 1006 Introduction to Animal Science 3
BY 1116 Biological Science I 3
CH 1103 General Chemistry I .................................................3
CH 1103L General Chemistry I Lab ........................................1
EN 1101 English I ..................................................................3
LA 1020 Skills for College Success .........................................1
MP 1102 College Algebra or Elementary Functions or Finite Mathematics ...........................................3
MP 1203 Elementary Functions or Finite Mathematics ............3
MP 1205 Finite Mathematics ..................................................3
Total ......................................................................................17

Second Semester
BY 1217 Biological Science II .................................................3
CH 1203 General Chemistry II .................................................3
CH 1203L General Chemistry II Lab .........................................1
DS 1065 Principles of Dairy Science .......................................3
EN 1201 English II ..................................................................3
MP 1203 Elementary Functions or Calculus I or Finite Mathematics ...........................................3-4
MP 1204 Calculus I or Finite Mathematics...............................3-4
Total ......................................................................................16-17

Employment Program
DS 2370 Employment Program ..............................................1-2

SOPHOMORE YEAR
First Semester
Course No. Course Title Credits
AE 2007 Feed Grains and Forages ..........................................3
CH 2003 Princ. of Organic Chemistry .....................................3
CH 2003L Princ. of Organic Chemistry ...................................1
DS 3029 Dairy and Livestock Genetics ...................................3
IT 1011 Information Technology Concepts ................................1.5
IT 1012 Computer Applications .............................................1.5
LA 2005 Speech ....................................................................3
PE 1109 Physical Education I .................................................1
Total ......................................................................................17

Second Semester
CH 2203 Biochemistry ............................................................3
CH 2203L Biochemistry Lab ....................................................1
DS 2213 Dairy Cattle Judging ....................................................1
DS 2230 Physiology of Lactation ..........................................3
EN 2028 Introduction to Literature ..........................................3
PE 1109 Physical Education I .................................................1
PE 1109 Physical Education II .................................................1
Total ......................................................................................15

Employment Program
DS 2370 Employment Program ..............................................1-2

JUNIOR YEAR
First Semester
Course No. Course Title Credits
AS 4106 Principles of Animal Nutrition ..................................3
BY 3002 General Microbiology ..............................................4
 LA 1060 Introduction to the Fine Arts ....................................3
 LA 4037 Non-Western Societies ............................................3
 Elective ...................................................................................3
Total ......................................................................................16

Second Semester
AS 4214 Animal Diseases .....................................................3
DS 3010 Animal Feeding and Nutrition ..................................3
DS 3118 Anatomy and Physiology of Animals .........................4
DS 3226 Dairy Husbandry Techniques I ..................................2
Humanities Area ...................................................................3
Elective ..................................................................................2
Total ......................................................................................17

Employment Program
DS 2370 Employment Program ..............................................1-2

SENIOR YEAR
First Semester
Course No. Course Title Credits
DS 4115 Seminar (Dairy Science) ...........................................1
DS 4145 Dairy Husbandry Techniques II ................................2
DS 4134 Physiology of Reproduction ....................................3
Humanities Area ...................................................................3
Electives ................................................................................5
Total ......................................................................................14

Second Semester
DS 4235 Dairy Systems and Management ..............................3
BA 2008 Macroeconomics ....................................................3
Social Sciences Area ..............................................................3
Electives ................................................................................6
Total ......................................................................................15

Social Science Area: select one of the following:
LA 2012 Introduction to Sociology .........................................3
LA 2036 Introduction to Psychology .......................................3
LA 4203 Social Psychology and Human Interaction ..................3

Humanities Area: select two courses from the following:
LA 2040 Modern History of Western Societies .................3
LA 2042 Introduction to Philosophy .........................................3
LA 2138 History of Western Civilization I .......................3
LA 3032 American History and Government since 1877 ........3
LA 4127 United States Foreign Policy ...................................3