

ANIMAL SCIENCE - DAIRY, A.A.S.

Major Code: 0562

The dairy industry is the largest of all agricultural enterprises in New York, and ranks in the top 5 nationally in milk production. Today's New York dairy industry is exciting and challenging. The industry needs qualified young people trained in the management of modern dairy farms, as well as the areas of nutrition, reproduction, herd health and farm supplies, to mention a few.

The Animal Science - Dairy curriculum is a progressive practical program concentrating on dairy cattle management, emphasizing both managerial and hands-on experiences. This curriculum is based on dairy courses that provide a science and business background. A strong emphasis is placed on application of these principles with our 200-cow free-stall dairy herd of registered Holsteins. Student-management programs are enhanced with a dairy complex which features a milking parlor and classrooms hooked up to dairy cattle management software.

Upon completion, students may enter the bachelor of technology program in Dairy Management, or another bachelor degree program that fits their specific interests. In addition to the academic program, students have the opportunity to participate in related activities such as Dairy Club, Collegiate FFA, Dairy Judging Team, Autumn Review Sale, National Agriculture Day, Showmanship Contest, and The Northeast Dairy Challenge. Students who plan to transfer to a four-year program should elect appropriate science courses such as biology and/or chemistry, and mathematics.

Career opportunities exist in dairy production management, dairy nutrition, artificial insemination, reproductive management, agri-business employment and many others.

Student Learning Outcomes

Upon successful completion of this program, students will be able to:

- utilize and demonstrate effective time and human resource management
- develop problem-solving and critical thinking skills
- utilize practical knowledge and skill sets pertinent to the dairy and agriculture industries

Curriculum Requirements

A minimum of 60 credits is required for degree completion.

Code	Title	Credits
DANS 100	Dairy Nutrition	3
DANS 110	Breeding Dairy Cattle	3
DANS 120	Anatomy & Physiology-Dairy Cow	3
DANS 140	Dairy Cattle Judging	1
DANS 150	Dairy Farm Practicum I	2
DANS 151	Dairy Farm Practicum II	2
DANS 160	Introduction to Dairy Science	3
DANS 210	Dairy Health	3
DANS 220	Dairy Herd Management	3
DANS 225	Dairy Production & Management	3
DANS 240	Dairy Farm Data Management	1

AGBS 100	Agricultural Economics	3
or AGBS 225	Environmental Economics	
AGBS 200	Marketing Agricultural Products	3
AGBS 240	Farm Management and Finance	4
AGRO 110	Soil Science	3
AGRO 210	Field Crops	3
ACCT Accounting as advised		3
Select one of the following Options:		2
Option 1:		
AGSC 132	Introduction to Precision Farming	
Option 2:		
OFFT 110	Introduction to MS Excel	
OFFT 100	Introduction to MS Word	
or OFFT 106	Personal Computer Keyboarding	
or OFFT 109	Introduction to MS PowerPoint	
COMP 101	Composition and Research	3
COMP 102	Writing About Literature	3
or COMM 111	Introduction to Speech	
MATH as Advised		3
Additional SUNY General Education Credits		3
Total Credits		60

Suggested Course Sequence

Course	Title	Credits
Year 1		
Fall		
DANS 100	Dairy Nutrition	3
DANS 160	Introduction to Dairy Science	3
DANS 150	Dairy Farm Practicum I	2
AGBS 100	Agricultural Economics	3
AGRO 110	Soil Science	3
COMP 101	Composition and Research	3
	Credits	17
Spring		
DANS 110	Breeding Dairy Cattle	3
DANS 120	Anatomy & Physiology-Dairy Cow	3
DANS 140	Dairy Cattle Judging	1
DANS 151	Dairy Farm Practicum II	2
DANS 240	Dairy Farm Data Management	1
AGBS 200	Marketing Agricultural Products	3
	Credits	13
Year 2		
Fall		
DANS 210	Dairy Health	3
DANS 220	Dairy Herd Management	3
AGBS 240	Farm Management and Finance	4
AGRO 210	Field Crops	3
MATH - Mathematics as Advised		3
	Credits	16
Spring		
DANS 225	Dairy Production & Management	3
AGSC 132	Introduction to Precision Farming	2
ACCT - Accounting as Advised		3
GenEd (GUS, GA, GWH, GSS, GDV)		3

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COMP 102 or COMM 111	Writing About Literature (as Advised) or Introduction to Speech	3
Credits		14
Total Credits		60