ABOUT THE PROGRAM

The Department of Animal Science offers a bachelor of science degree in animal science with specializations in dairy science, livestock science and pre-professional science. The curriculum provides you with a solid mix of liberal arts, advanced science and professional courses to assure that you become a well-rounded, well-educated professional in the animal science field. Hands-on learning opportunities abound, with livestock facilities on campus that allow you to participate in the care, breeding and management of beef and dairy cattle, sheep, swine and horses.

CAREER OPPORTUNITIES

With 100 percent of our students having real-world, hands-on experience, graduates with a degree in animal science are able to:

• Attend veterinary school
• Attend graduate school
• Work as livestock and dairy managers
• Work as extension educators
• Work as animal care technicians
• Work as veterinary assistants
• Work in education or government
• Work in agribusiness
• Work as lab technicians at pharmaceutical companies
• Work as sales representatives for pharmaceutical and feed companies

SPECIALIZATIONS

DAIRY SCIENCE

Provides students with the scientific basis for responsible management and husbandry of dairy cattle in modern production systems. Through a small computer chip, our Cow Manager System keeps track of the herd recording their vitals such as oestrus and dietary behavior. Includes courses such as Principles of Dairy Science, Dairy Systems and Management, Dairy Husbandry Techniques, and Dairy Business Analysis.

LIVESTOCK SCIENCE

Provides students with the scientific basis and hands-on experience necessary for the effective management of food and fiber producing animals. Includes courses such as Livestock Industries and Careers, Animal Feeding & Nutrition, and a choice of animal-production electives involving beef cattle, swine, sheep and poultry.

PRE-PROFESSIONAL SCIENCE

Prepares students for future matriculation to graduate or professional (veterinary) programs. Includes many courses to fulfill requirements for continued education, such as Organic Chemistry and Microbiology, as well as a choice of animal production electives.

FACILITIES

Students have the opportunity to learn methods of traditional animal agriculture at the campus livestock and dairy facilities, as well as alternative methods such as grass-fed beef and pastured poultry at the Roth Center for Sustainable Agriculture. DelVal’s South Campus includes more than 400 acres of land. DelVal also offers classes in our new Life Sciences Building with seven classrooms and four multipurpose labs.

I am very proud to say that my education here has allowed me to be accepted into Vermont Law School to study agricultural law. I wasn’t sure exactly what I would do after college when I began at DelVal, but I never imagined I could get this far, and be poised to keep going this soon.”

Emmarose Boyle ’15

delval.edu/animal-science
THE EXPERIENCE360 PROGRAM

The Experience360 Program (E360) is central to a DelVal education and embraces a full range of activities and opportunities that give our students well-rounded experiences that can’t be found anywhere else. This approach prepares our students for a life of meaningful work, service and career growth. Integrating knowledge and experience, they’ll be prepared to put their skills into action as globally responsible citizens. One hundred percent of our students will gain real-world competencies through internships, career exploration, student research, study abroad, leadership development, community service or civic engagement.

ABOUT DELVAL

Delaware Valley University, an independent, comprehensive university of more than 1,000 acres in Bucks and Montgomery counties, features individualized attention and emphasizes experiential and interdisciplinary learning. Located in Doylestown, Pennsylvania, DelVal offers more than 25 undergraduate majors, six master’s programs, a doctoral program, and a variety of adult education courses.

CURRICULUM

This is not a complete course listing and is subject to change.

AS 1006 - Introduction to Animal Science 3 credits
EN 1101 - English I 3 credits
BY 1116 - Biological Science I 3 credits
LA 1020 - Skills for College Success 1 credit
CH 1103 - General Chemistry I 3 credits
CH 1103L - General Chemistry I Laboratory 1 credit
AS 1045 - Livestock Industries and Careers 2 credits
EN 1201 - English II 3 credits
BY 1217 - Biological Science II 3 credits
CH 1203 - General Chemistry II 3 credits
CH 1203L - General Chemistry II Laboratory 1 credit
CH 2003 - Principles of Organic Chemistry 3 credits
CH 2003L - Principles of Organic Chemistry Laboratory 1 credit
PS 2007 - Feed Grains and Forages 3 credits
IT 1011 - Information Technology Concepts 1.5 credits
IT 1012 - Computer Applications 1.5 credits
DS 3029 - Dairy and Livestock Genetics 3 credits
LA 2005 - Speech 3 credits
AS 2116 - Livestock Evaluation 3 credits
AS 3123 - Animal Husbandry Techniques 2 credits
EN 2028 - Introduction to Literature 3 credits
LA 1060 - Introduction to the Fine Arts 3 credits
AS 4106 - Principles of Animal Nutrition 3 credits
BA 2008 - Macroeconomics 3 credits
DS 3118 - Anatomy and Physiology of Animals 4 credits
LA 4037 - Non-Western Societies 3 credits
AS 4214 - Animal Diseases 3 credits
DS 3010 - Animal Feeding and Nutrition 3 credits
DS 4134 - Physiology of Reproduction 3 credits
AS 4016 - Seminar (Animal Science) 1 credit
BY 3002 - General Microbiology 4 credits
BY 3002L - General Microbiology Lab 1 credit
MP 2119 - Physics I 4 credits
MP 2119L - Physics I Lab 1 credit