

# SEE OPPORTUNITIES IN THE COLLEGE OF AGRICULTURE AND LIFE SCIENCES AT IOWA FFA.

The College of Agriculture and Life Sciences (CALs) student Ambassadors are excited to welcome Iowa FFA members to Iowa State University for the State Leadership Conference. Read the below descriptions of tours, activities, and workshops being offered to FFA members through CALs. Allow 1.5 hours for each activity. Teachers can register their students to participate in one or more using the online form at [cals.iastate.edu/state-ffa-tours](https://cals.iastate.edu/state-ffa-tours).



CALS Ambassadors

[ffatours@iastate.edu](mailto:ffatours@iastate.edu)

## What does it take to care for Jack Trice Stadium?

**Monday: 8:00 am**

**Tuesday: 8:00 am**

Learn how the playing surface at Jack Trice stadium is cared for and what it takes to keep athlete's safe on that football field.

## Campus Tour

**Monday: 8:00 am, 9:30 am, 11:00 am, 12:30 pm, 2:00 pm, 3:15 pm**

**Tuesday: 8:00 am, 9:30 am, 11:00 am, 12:30 pm, 2:00 pm**

Take a tour of a 'top 5 Most Beautiful Campus' in the nation with a current student. See locations across campus from the perspective of a CALs student and learn how they innovate every day.

## ISU Kent Feed Mill and Grain Science Complex

**Monday: 8:00, 9:30 am**

**Tuesday: 8:00 am, 9:30 am**

Learn more about the Complex and Feed Technology Minor specialization program. Learn about global business opportunities in feed and grain: processing, animal science and nutrition, feed science and safety, quality assurance and control, operations management, commodities trading, and agribusiness.

\*\* Note: Any guests who have traveled out of the country must observe a 5-day wait for contact with the feed mill.

- Shoes must be closed-toed and have a back, clean with no debris on them.
- Photographs are NOT allowed, cellphones/cameras will not be allowed on the tour.
- It is asked that guests bring minimal items with them, as they will have to leave them in the classroom during the tour.

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## **Sheep Teaching Farm**

**Monday: 8:00 am**

**Tuesday: 9:30 am**

Join us as we tour the teaching farm. Learn more about opportunities for you to gain hands-on experience working with animals and how we incorporate our farms in programs in the Department of Animal Science. Note: Any guests who have traveled out of the country must observe a 5-day wait for contact with livestock farms.

## **Innovation and Entrepreneurship in Agriculture**

**Monday: 8:00 am, 11:00 am, 3:15 pm**

**Tuesday: 9:30 am, 11:00 am, 12:30 pm**

Learn more about agricultural innovation and entrepreneurship opportunities through Start Something College of Agriculture and Life Sciences. The workshop will feature a hands-on innovation activity and tour of the Student Innovation Center.

## **Agriculture and Biosystems Engineering Tour**

**Monday: 8:00 am**

**Tuesday: 12:30 pm**

Our majors in ABE are the most hands-on majors at ISU. Come see Tractor Power, CNC Machines, 3D Printers, and more.

## **Why Do Gushers Gush and Cheetos Puff?**

**Monday: 9:30am, 11:00 am**

Learn how food scientists work to make Gushers gush and give the puff with all know and love to Cheetos through a hands-on activity. While you are there, see how you can study food science to make this science into a career.

## **BioCentury Research Farm Tour**

**Monday: 9:30 am**

**Tuesday: 8:00 am**

See the latest innovations in bio-related research using biomass and other feedstocks. Research includes: Ag equipment development, algal nutrient removal system, bioasphalt, bioplastics, thermochemical and biochemical processes.

## **Micro Marvels: A Hands-on Journey into the Microbial World**

**Monday: 9:30 am**

See the vast potential and importance of microorganisms. Get insights into the role of microorganisms in various environments and diseases. Unravel the scope of bacteria and the intricate world of fungi from environmental impacts to industrial applications.

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## **ISU Meat Lab**

**Monday: 9:30 am, 11:00 am**

**Tuesday: 9:30 am, 11:00 am**

The Iowa State University Meats Laboratory is a federally inspected facility with the capability for slaughtering and complete processing of meat animals including cattle, hogs, sheep, and goats. It has a full complement of sausage-making equipment, mostly of small commercial production size. The lab is utilized by animal science classes, research projects, and extension programs. The following restrictions are in place in this USDA inspected facility:

- Cannot have visited a farm in the past 24 hours, this includes their home farm.
- Shoes must be closed-toed and have a back, clean with no debris on them.
- Photographs are NOT allowed, cellphones/cameras will not be allowed on the tour.
- It is asked that guests bring minimal items with them, as they will have to leave them in the classroom during the tour.

## **Horticulture Hall Teaching and Research Greenhouse Tour**

**Monday: 9:30 am, 11:00 am**

See the inner workings of how a computer-controlled greenhouse operates for teaching and research activities.

## **Agricultural Education and Studies Ag 450 Farm and Agricultural Mechanics Teaching Laboratory**

**Monday: 9:30 am**

This tour will provide insight into the ISU Ag 450 Student Managed Farming Operation as well as the Agricultural Mechanics teaching laboratory.

## **Tour of the College of Veterinary Medicine**

**Monday: 11:00 am**

**Tuesday: 2:00 pm**

Learn more about your path to veterinary medicine. You will see our classrooms, labs and teaching hospital.

## **Improving Crops and the Soil they grow in**

**Monday: 11:00 am**

**Tuesday: 11:00 am**

Learn about the Agronomy major including curriculum, scholarships, clubs, study abroad and careers after graduation. We will also tour the teaching greenhouse & new growth chambers in Agronomy Hall.

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## **The Environment, Ecology, and Conservation at the ISU Camp in Montana**

**Monday: 11:00 am, 3:15 pm**

Don't just read about environmental topics in a textbook, take a field course in western Montana! Students can learn about wildlife, forestry, ecology, conservation, even design, while earning credits toward their degree in this amazing natural setting.

## **ISU Creamery**

**Monday: 3:15 pm**

**Tuesday: 12:30 pm, 2:00 pm**

Come learn about the history and current activities at the ISU Creamery (including how we make ice cream and cheese!).

## **From Farm to Finance: Making Smart Agricultural Decisions**

**Monday: 3:15 pm**

In this workshop, you'll learn how farmers use production budgets to make smart decisions and explore different marketing options to maximize profits. Get ready to think like an agricultural business pro!

## **Equine Teaching Farm**

**Monday: 3:15 pm**

**Tuesday: 2:00 pm**

Join us as we tour the teaching farm. Learn more about opportunities for you to gain hands-on experience working with animals and how we incorporate our farms in programs in the Department of Animal Science. Note: Any guests who have traveled out of the country must observe a 5-day wait for contact with livestock farms.