NEXT FALL, when your friends ask what you did during the summer, you can say...

I worked with animals.
I directed my own film.
I made an edible chocolate flower.
I discovered a new career.
I explored a new major.
I learned how to forecast the weather.
I learned how to feed the world.
I sponsored a legislative bill.
I found new friends.

These are just a few of the options available to you at the 2017 Big Red Academic Camps to be held this June. These career exploration camps are a chance for you to explore the UNL campus, meet people from across the country, spend time investigating an interest or potential career and have lots of fun.

2017 Big Red Academic Camps will be hosted by Nebraska 4-H and UNL faculty members in various academic areas across campus. After spending several fun-filled days exploring a specific topic like filmmaking or veterinary science, we’ll invite your family to join you for a special “capstone event” where you can showcase your work.

The 4-H Youth Development program abides by the non-discrimination policies of the University of Nebraska-Lincoln and the United States Department of Agriculture. UNL does not discriminate based on race, ethnicity, color, national origin, sex, religion, disability, age, sexual orientation, gender identity, genetic information, race, color, marital status, and/or political affiliation in its programs, activities, or employment. For nondiscrimination inquiries, contact the Director of MSC/Title IX Coordinator or the Section 504/ADA Coordinator at 128 Canfield Admin. Bld., Lincoln, NE 68588, (402) 472-3417, or the Office for Civil Rights.

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For more information, visit bigredcamps.unl.edu.

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Here's the scoop on what's new this summer...

**Discover ENGINEERING**

During this one-week residential summer camp, students will learn to leverage the power of engineering and science to solve global challenges in energy, water, healthcare, or urban infrastructure, as outlined in the report entitled Grand Challenges for Engineering by the National Academy of Engineering. The program uses a multi-disciplinary approach to problem-solving while exploring the various fields of engineering such as mechanical, civil, electrical, biological systems, and more. The session will also involve field visits to various on-campus labs and facilities such as the Tractor Test Lab, the Midwest Roadside Safety Facility, and the Nebraska Agricultural Performance Lab, as well as off-campus excursions to local industry to enrich students' understanding of the practical relationships between classroom work and the real world. Communication and teamwork will be integral parts of the student camp experience.

The camp will be held by faculty and staff from the University of Nebraska-Lincoln, College of Engineering.

* **There will be some pre-work required to be completed before the start of camp**

**Grades for 16-17**
- **Participate Limit**
- **Tuition Fees**

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<th>Date</th>
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**Discover CHICKENS**

“All about Chickens,” camp will include an introduction to chicken genetics, reproduction, incubation, nutrition and overall poultry husbandry. An emphasis will be placed on the science of how to raise chickens for production of healthy eggs, meat and for exhibition. An introduction to Poultry Science careers will also be done as well as a class research project on chicken behavior and welfare. Camp participants will have daily containing and research experiences with our University research flock. Taught by University of Nebraska - Lincoln Animal Science Department and Nebraska Extension.

**Grades for 16-17**
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**Discover CULINARY ARTS**

Learn new culinary arts skills and understand the science of food, impress friends and family with your new culinary skills and knowledge. Explore local foods, food product development, knife and food preparation skills. Taught by the University of Nebraska – Lincoln, Department of Nutrition and Health Sciences, the Department of Food Science and Technology and Nebraska Extension.

**Related Careers:** Product Developer, Quality Control Specialist, Food Technology, Research Chef.

**Grades for 16-17**
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** SS While limited scholarships are available to attend all Big Red Summer Academic Camps, Significant Scholarships may be available for select camps. Please check bigredcamps.unl.edu for additional Significant Scholarship information.**

TO REGISTER VISIT
BIGREDCAMPS.UNL.EDU
For questions contact Lindsay Shearer at 402-472-2846 or lshearer2@unl.edu

**Discover VETERINARY SCIENCE**

Explore various aspects of veterinary medicine and discover what veterinarians need to know to help sick animals. Learn about anatomy, bacteriology, parasitology, and surgery. Giving an animal a physical exam, while engaging with scientists and veterinarians who study how animal diseases are prevented, diagnosed and treated. You will also learn about an exciting career as a veterinarian. Taught by the University of Nebraska–Lincoln, School of Veterinary Medicine.

**Related Careers:** Veterinarian, Veterinary Technician, Pharmaceutical Sales and Development, Government Services.

**Grades for 16-17**
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**Discover WEATHER & CLIMATE SCIENCE**

Come and find out how scientists observe and forecast the weather as well as monitor the changing climate. During the week, participants will use instruments to make their own weather observations; learn how to forecast the weather, visit with National Weather Service forecasters; learn about the local weather and climate of Nebraska; from tornadoes to blizzards; meet National Weather Service forecasters; learn about the local weather and climate of Nebraska; from tornadoes to blizzards; meet Emergency Management experts; meet the coordinator of the Storm Spotter Network; learn about storm preparedness; and, using our UNL Weather studio, each camper will create a video of their weathercast experience in front of the green screen. We will also conduct experiments throughout the week inside the classroom as well as outside to demonstrate basic weather and climate processes. Participants will also meet actual scientists and learn more about weather and climate-related careers. Taught by the University of Nebraska-Lincoln, School of Natural Resources.

**Related Careers:** Weather forecaster, television weathercaster, weather and climate researcher, applied climatologist, climate data resource specialist, planning agencies, environmental protection agency, science-teacher.

**Grades for 16-17**
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**Discover UNICAMERAL YOUTH LEGISLATURE**

Youth will learn what it’s like to serve as a state senator. The Unicameral Youth Legislature is a four day legislative simulation for current high school students who take on the role of a lawmaker. Student senators pass bills, conduct committee hearings, debate legislation and discover the unique process of the nation’s only unicameral. The conference is organized by University of Nebraska-Lincoln Extension 4-H Youth Development. The Dent of the Nebraska Legislature, through the Unicameral Information Office, serves as a technical consultant for the Unicameral Youth Legislature.

**Related Careers:** Law, Business, Government, Lobbying, Legal Consulting.

This camp is supported by a grant with Nebraska Extension.

**Grades for 16-17**
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