

| Major Number | Major | Title |
|--------------|-------------|--|
| AGR1 | Agriculture | Agri-tourism in Central Kentucky |
| AGR2 | Agriculture | Behind the scenes at Hallway Feeds and Blue Grass Stockyards |
| AGR3 | Agriculture | Beyond the Bale: The Science of Feeding Animals |
| AGR4 | Agriculture | Discover UK Animal Science |
| AGR5 | Agriculture | Horsing Around in Kentucky |
| AGR6 | Agriculture | Introduction to Veterinary Anatomy |

| | | |
|------|--------------------------|---|
| CC1 | Communication | Communicating with Dazzling Data to Shape Public Policy |
| CC2 | Communication | Dive into Media and Communication: Hands-On Experiences and State-of-the-Art Facilities |
| CC3 | Communication | Spotlight! - Sharing State 4-H Teen Conference through media and print! |
| CC4 | Communication | Unlocking Your Speaking Potential: Toastmasters Where Leaders are Made |
| EA1 | Expressive Arts | Composition to Construction: Hands on Introduction to Landscape Architecture |
| EA2 | Expressive Arts | Expressive Arts: Clay Sculpture and Pottery |
| FCS1 | Family Consumer Sciences | Cooking Skills, Thrills, and Onion Peels |
| FCS2 | Family Consumer Sciences | Fashion Revue |

| | | |
|------|--------------------------|---|
| FCS3 | Family Consumer Sciences | Fibers and Fabrics and Laundry, OH MY! |
| FCS4 | Family Consumer Sciences | Fun with Fashion and Hospitality |
| FCS5 | Family Consumer Sciences | Skills that Pay the Bills |
| FCS6 | Family Consumer Sciences | Eco-Friendly Fashion: Hands-On Techniques for High Style with Low Environmental Impact |
| HEA1 | Health and Wellbeing | Game Changer: Unlocking Positive Growth in Sport |
| HEA2 | Health and Wellbeing | Get Active with Campus Recreation |
| HEA3 | Health and Wellbeing | Nutrition in the Virtual World: Using Technology to Research Eating and Education |
| HEA4 | Health and Wellbeing | They Call It "Yuck Mouth"/ Discovering Dentistry: Navigating Opportunities in Oral Health |
| NR1 | Natural Resources | Buzzing into Ag and Natural Resources: Hands-On Bee Biology and Pollinator Conservation |

| | | |
|------|-------------------------------------|--|
| NR2 | Natural Resources | Exploring Water Quality Indoors and Out |
| NR3 | Natural Resources | Field to Fork |
| NR4 | Natural Resources | Hook and Cook |
| SET1 | Science, Engineering and Technology | How do we study the function of genes? |
| SET2 | Science, Engineering and Technology | Molecular Biology for Beginners: Using Forensic DNA Techniques to Identify Insects |
| SET3 | Science, Engineering and Technology | Physics of an Amusement Park |
| SET4 | Science, Engineering and Technology | Battling Bacteria: Understanding Zoonotic Threats and Antimicrobial Resistance |

| | | |
|---------------------|------------|------------|
| STC Leadership Team | Leadership | Leadership |
|---------------------|------------|------------|

Description

Agri-tourism is a growing industry in Kentucky. Spend two days discovering what all is offered in beautiful central Kentucky. One stop along this journey is at The Kentucky Castle. Discover the variety of locally grown products they are producing in their back door and how they use those products in the meals they provide. Delegates are required to turn in their Personal Information Enrollment (PIE) Form to the State Teen Council (STC) Member the first day of meeting. Closed-toed shoes are encouraged.

The story of Hallway Feeds begins just as you would imagine: on a farm. And with the vision to provide high-quality, specialized feed to best serve the nutritional needs of hardworking horses all over the world and provide peace of mind to those who care for them. That vision continues today. Discover how the Hall family has made top-notch feed for over 80 years. Also, in this major you will have the opportunity to travel to the state-of-the-art facility of Blue Grass Stockyards. You will receive a behind-the-scenes look at their marketing service as well as dive into educational opportunities in their learning lab. Delegates are required to turn in their Personal Information Enrollment (PIE) Form to the State Teen Council (STC) Member the first day of meeting. Closed-toed shoes are required.

In this hands-on lab experience, we'll explore a monogastric digestive system and the role of carbohydrates in their diet. You'll learn some lab skills such as pipetting and then apply them to see how soaking feed impacts sugar content and then analyze blood samples to measure the effects of feed soaking on the animal's blood glucose levels post-feeding. Join us to uncover the science behind feeding and how changes in feeding strategy might impact health. Participants should wear long pants and closed toe shoes.

Jump on board to experience what the UK Animal Science Department has to offer. You will be emersed in the learning environment both on campus and UK's Oran C. Little Farm in Woodford County. You don't want to miss this hands-on learning experience! Please wear closed-toed shoes and pants. Delegates are required to turn in their Personal Information Enrollment (PIE) Form to the State Teen Council (STC) Member the first day of meeting.

4-Hers will learn about the ins and outs of racehorse training, including exercise schedules, nutrition, and the day to day life of a racehorse. They will also watch the morning workouts at Keeneland, tour the Keeneland Library, and learn about the Equine Science and Management Program at UK. Delegates are required to turn in their Personal Information Enrollment (PIE) Form to the State Teen Council (STC) Member the first day of meeting. Participants are required to wear closed-toe shoes, long pants (jeans or Khakis), and a polo shirt or t-shirt. Spaghetti straps and shirts showing midriff are not allowed.

Understanding the anatomical structures of animals is key for veterinarians to determine the extent of a patient's injuries. In this session, we'll review and compare anatomical structures of different species using radiographs, actual bones, and 3-D models. Non-living specimens/actual bones will be used for palpation and comparison. A brief overview and question and answer session about getting into veterinary school can also be included.

In this workshop, we will explore how communicating with data can help us solve problems that matter in our communities. Students will work together to create data visualizations that shine. They will then apply them in a creative, collaborative decision-making process.

Explore a communication and media major by learning from hands-on experiences that include flying drones, video production, creating animation and more. You'll also have the opportunity to visit our new state-of-the-art studio and production center in Rupp Arena, where UK students produce news and sports shows and take courses alongside broadcasting, media production and sports professionals. This facility is a joint effort of the College of Communication and Information, UK Athletics and JMI Sports. If you want a career in media and communication, this is the major for you! Delegates are required to turn in their Personal Information Enrollment (PIE) Form to the State Teen Council (STC) Member the first day of meeting.

Extra Extra read all about it!!! This major will have participants creating a recap of each day at conference to share with the delegation! We will also put together the final slide show! Participants will utilize software, video, pictures and print to share teen conference with the delegation! (It will be helpful if participants have a smart phone)

Join us for an exciting workshop led by the President of the UK Big Blue Toastmaster Club. This session is perfect for young individuals who want to become confident leaders and effective communicators.

Participants will engage in activities that will help them learn about landscape architecture. Youth will observe outdoor environments around the UK campus. Afterward, participants will compose a landscape and then construct their designs.

4-Hers will learn about clay project options from the 4-H Kentucky State Fair Curriculum, and will focus on various sculpting techniques that include carving and handbuilding, using self hardening clay.

Join Chefs T Squared, Tanya and Tem, for an in-depth class about knife skills, cooking techniques, careers in the agro-food world, team building, product knowledge, and all aspects of the local food system. Participants should wear closed-toe, non-skid shoes (sneakers are fine), and clothes with no long sleeves or parts that could catch on a pot handle or drop into a flame. Long hair should be pulled into a tie or covered with a hat. Participants will stand for a large portion of each day. All other materials will be provided.

The purpose of the 4-H Fashion Revue is to cast the spotlight on youth in sewing, needlework, creating fashion, and self-expression projects. The 4-H Fashion Revue is planned by the State 4-H Fashion Leadership Committee and highlights the best and brightest fashion talent in all of Kentucky 4-H. We are also seeking attendees (escorts) for this exciting evening of fashion. Therefore this is not limited to just the fashion review contestants.

Ready for an adventure in textiles? Come explore fiber basics and learn about different fabrics through hands-on activities. We'll connect this with an interactive laundry lesson, including stain removal tips and clothing care advice. Use this knowledge to impress your friends - or at least make your pile of dirty laundry magically disappear!

During this session, you will be introduced to activities that will familiarize you with both the fashion and hospitality industries. Topics such as color study, visual merchandising, fashion sustainability, event planning, and business etiquette will be covered. This session will be interactive and will provide hands-on experience within the industries.

Youth will learn the skills that they will need when entering the workforce. We will focus on what they should think about when deciding on a career, what employers look for in an employee, preparing for an Interview and building their resume.

Manufacturing in the fashion industry is done with processes that are harmful to our waterways and ecosystem. In this class we will learn more about fast fashion versus slow fashion and how designers can be mindful to help reduce the harmful effects on the environment. There will be hands on design projects to flex your creativity. Delegates are required to turn in their Personal Information Enrollment (PIE) Form to the State Teen Council (STC) Member the first day of meeting.

The purpose of this session is to strengthen the health and safety of youth athletes via comprehensive training on positive youth development. Through this sessions, individuals will learn behaviors and actions that build positive relationships, dynamics, and cultures. Individuals will build skills in self- and other-awareness and effective communication strategies that support the creation of safe and inclusive sporting environments.

Join us for two days of fun and fitness activities! Experience a variety of sessions including fitness classes, team-building games, volleyball, Can Jam, Knockout, and climbing challenges. Learn about the benefits of physical activity and enjoy free play time. Please wear closed-toe shoes and active wear.

Learn about how virtual reality (VR) is designed and used to study eating behavior and provide interactive nutrition education experiences. You will get to try out two different VR programs, a digital dietitian and a virtual food buffet. The presenters will also speak to education pathways for careers in nutrition.

Day 1- "They Call It 'Yuck Mouth'" - 4-Hers will learn about cavities in teeth, and will have the opportunity to prep and fill a tooth in our simulation lab. Youth will also learn about the career of dentistry. Day 2- " Discovering Dentistry: Navigating Opportunities in Oral Health". An introduction to the career of dentistry and the process to enter the dental field. 4-Hers will also hear presentations on the link between oral and systematic health and research in dentistry from UKCD faculty. Participants will have the opportunity to meet and ask questions with current UKCD students.

We will learn about bee biology, how bees interact with plants, and why bees and other pollinators are critical to agriculture. We will do safe and fun hands-on activities with wild bees and honey bees. This program is relevant to anyone interested in agriculture, natural resources, conservation, and biodiversity. Please wear lightweight, light colored pants and close-toed shoes. Delegates are required to turn in their Personal Information Enrollment Form (PIE) to the State Teen Council (STC) Member the first day of meeting.

Love clean water, exploring the outdoors, and learning how you can help the environment? Are you interested in pursuing these passions as a career path? Join this dynamic session of indoor and outdoor discoveries as we tour a university research lab, engage in streamside field sampling, and use our findings to help understand the connection between water quality and the health of humans and our shared environment. We'll learn specifically about the UK Department of Biosystems and Agricultural Engineering's Messer Ecological Systems Observation (MESO) Lab that focuses on identifying contaminants and nutrients in surface and ground waters, traces contaminants in the natural environment, and uses innovative water quality monitoring and analytical methods to treat contaminants using ecosystem based Best Management Practices. Lab Manager and PhD student, William Rud will give us a sneak peek into the daily life of Biosystems and Agricultural Engineering research and introduce us to how the university is developing and applying current research to build healthier streams, wetlands, and agricultural ecosystems in Kentucky! We will also have an experiential learning day in the field at the Alumni Drive Stream Restoration site to learn about urban water quality and quantity issues and how land use change over time impacts these issues. We'll also engage in stream assessment techniques that are used across a variety of disciplines to characterize water quality and stream health through hands-on learning in the creek. 4-Hers should be prepared to be outside and exposed to the elements at least partially on both days. This is a rain or shine event, please dress accordingly. Closed toe shoes are required. Participants are encouraged to bring a snack and reusable water bottle and apply sunscreen and bug spray is recommended. Delegates are required to turn in their Personal Information Enrollment (PIE) Form to the State Teen Council Member the first day of meeting.

Field to Fork teaches outdoor skills necessary to acquire sustainable, local protein. Join us for a group lesson in wildlife management, conservation, and ethical harvest of game species. 4-Hers will learn hands activities including wild game biology, processing, cooking, and more.

Hook and Cook teaches the outdoor skills needed to catch and clean fish. Join us for an informational fishing 101 class including how to tie knots, locate places to fish and clean your catch! We will have hands on knot tying and casting activities.

DNA serves as the blueprint for organism's body plan and its responses to the environment. In this session, we will extract DNA from plants and explore examples of how gene functions are studied to better understand the fundamental rules of life. Our Agricultural and Medical Biotechnology undergraduate program fosters critical thinking and prepares your for a successful career!

In this workshop, students will learn modern molecular biotechnology techniques that are commonly used in forensics. Rather than solving a crime, we'll be using these techniques to solve the mystery of "What kind of insect is that?" In the first day, students will work in the laboratory to isolate DNA from insects, and on the second day they will use computational methods to figure out what insect their DNA sequence belongs to. For safety purposes, closed-toe shoes should be worn for this activity.

Ever wanted a chance to design your own amusement park? Want to know what goes into making the rides and games work? Join us for this major session to learn more about the design, building, operation, and physics behind some popular amusement park attractions and work together to make a park for everyone!

Zoonotic bacteria, which are transmitted between animals and humans, pose an increasing public health threat, especially with the rise of antimicrobial resistance (AMR). In this session, you'll learn how bacteria are spread among animals, humans, and the environment, and discover practical strategies to protect yourself from bacterial infections. Engage in case-based discussions and real-world examples to understand the impact of AMR on both human and animal health.

ONLY current STC (2024 - 2025) members will sign up for this Major. STC members will lead their groups to and from Majors, they will assist the adults assigned by taking attendance, and ensure delegats know where to go.