

2008
MARCH 7-8

Explor  **ACES**



College of Agricultural, Consumer and Environmental Sciences

University of Illinois at Urbana-Champaign

www.aces.uiuc.edu/exploraces

Dear Students and Parents,

Welcome to ExplorACES 2008! This event offers you the unique opportunity to discover all that awaits you at the College of Agricultural, Consumer and Environmental Sciences.

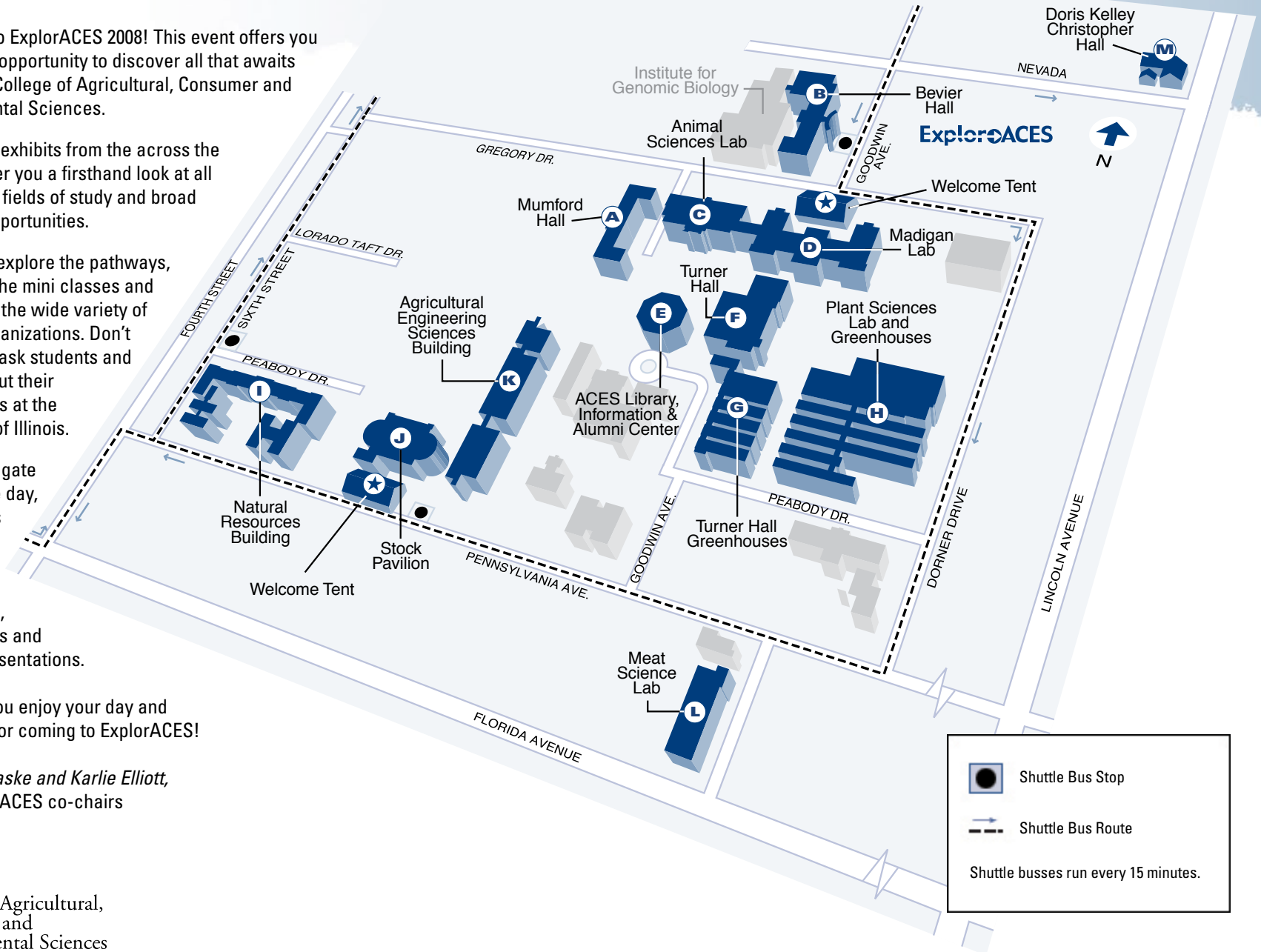
Interactive exhibits from the across the college offer you a firsthand look at all the diverse fields of study and broad range of opportunities.

Be sure to explore the pathways, check out the mini classes and investigate the wide variety of student organizations. Don't hesitate to ask students and faculty about their experiences at the University of Illinois.

As you navigate through the day, refer to this guidebook for information about tours, mini classes and special presentations.

We hope you enjoy your day and thank you for coming to ExplorACES!

Thomas Maske and Karlie Elliott,
2008 ExplorACES co-chairs



College of Agricultural,
Consumer and
Environmental Sciences

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

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Accessibility

All ExplorACES exhibits are accessible, but visitors should note that the floor in the Stock Pavilion is covered with wood shavings. If you need a reasonable accommodation to take part in ExplorACES activities, please call 217-244-4540 by March 5.

Parking

Free parking will be available on both Friday and Saturday in Lot E-14, just west of the Assembly Hall and free shuttle buses will make a continuous loop from the parking lot to Engineering Open House and ExplorACES (see map on page 34). On Saturday only, visitors may use the parking facility located at the corner of Dorner Drive and Gregory Drive. (On Friday parking in that facility is for permit holders only, all others will be ticketed or towed).

Hungry?

Stop by the food tent! Several student organizations in the College of ACES will be serving up burgers and other tasty treats from 11 a.m. to 2 p.m. on Friday and Saturday. You can find the food tent just west of the ACES Library. On Friday, Bevier Café on the second floor of Bevier Hall will be open for business from 11:30 a.m. to 1 p.m.

ExplorACES

Welcome Tents

North of Madigan Lab and South of the Stock Pavilion

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If you are visiting ExplorACES with a class or other group, we encourage you to use the Welcome Tents as your gathering place when it's time to meet up for the trip home.

Information Booth

Pick up your free tote bag and ExplorACES program. Guides will be available to answer your questions and point you in the right direction.

ACES Campus Tours

Explore the ACES Campus on a walking tour led by members of the Student Advancement Committee. Tours will depart from the Welcome Tents as requested and last about 30 minutes.



What you'll find where

Looking for...	Find it here...
Plant biology & crop sciences	Turner Hall, Plant Sciences Lab & Greenhouses
Animal sciences & Pre-vet	Animal Sciences Lab, Stock Pavilion
Agribusiness & economics	ACES Library
Agricultural engineering & mechanization	Agricultural Engineering Sciences Building, Engineering Open House (north end of UI campus)
Food science, human nutrition, dietetics & hospitality management	Bevier Hall, Agricultural Engineering Sciences Building
Families, communities & child development	Bevier Hall
Agricultural/environmental education & communication	ACES Library
Natural resources & environmental science	Plant Science Lab & Greenhouses



Hungry?

Then visit the food tent, open from 11 a.m. to 2 p.m. on Friday and Saturday. ACES student clubs will be selling mouth-watering hamburgers and other favorites. Student organizations from across campus will provide entertainment as you eat.

Food Tent
West of the ACES Library

College of ACES Mini Classes

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Mini Class	Location	Schedule	Notes
Animal Sciences: Dr. Kline's Horse Body Language	Room 131, ASL	Friday at 10 a.m.	Unravel the mysteries of equine behavior in this session on horse body language.
Dr. Hurley's Magical Milk Lab	Room 131, ASL	Saturday at 10:30 a.m.	Discover the marvels of milk with Dr. Hurley, professor of animal science. Get ready for an interactive session on the art of butter making, milk extraction and much more.
Dr. Hutjens Roaming through the Rumen	Room 131, ASL	Saturday at 1 p.m.	Explore the ruminant digestive system with Dr. Hutjens and learn about large animal nutrition.
NRES: Floral Design to Music Presenter: Dianne Noland	1125 Plant Science Lab	Friday and Saturday at 11 a.m. & 1 p.m. daily	Check out one of ExplorACES most popular exhibits! Watch as students interpret music in creative floral designs.
Horseradish Presenter: Dr. Skirvin	Room 180, Bevier Hall	Friday at 12 p.m.	Eat a free roast beef sandwich and sample some horseradish while you learn all about this specialty crop. Illinois leads the nation in horseradish production.
CPSC: Diggin' Dirt	Room 115, Turner Hall	Friday and Saturday, 10:00 a.m., runs every 30 minutes	Come get your hands dirty and see the dark underbelly of Illinois agriculture. Take a tour of American and Illinois soils without leaving your seat and get a bonus take-home gift!
CSI: Crop Sciences Inquiry	Room W-109, Turner Hall	Friday and Saturday at 9:30, 10:30, 11:30, 12:30, 1:30, 2:30	Investigate crop sciences and test your knowledge of plants, agronomy and agriculture. Explore the facts and fallacies using "I-clickers" which poll the audience. This mini class lasts about 20 minutes.
FSHN: Food Chemistry: Protein Structure and Functionality Presenter: Dr. Bohn	Bevier Hall	Friday at 9 a.m. and 10 a.m.	Why do egg whites change from transparent to opaque when heated? Why does cream becomes a fluffy and delicious treat when whipped? Come learn about the chemistry behind these changes.

Tours and Special Activities

Tours	Location	Schedule	Notes
Bevier Café	Second Floor, Bevier Hall	Tours will be offered by request.	Tour the newly renovated Bevier Café! Hospitality management and dietetics students in the Quality Foods Preparation and Service course staff the café. Working at the café provides real world experience.
Guided Tour of the Food Science Pilot Plant	165, AESB	Tours begin at 10 a.m. and 1 p.m. and will last approx. 35 minutes.	Investigate food processing methods like pasteurization, drying, extrusion and commercial canning as you tour a working food science pilot plant. Learn about the latest developments in food processing.
Meat Science Lab Tour	Meat Science Lab	Friday and Saturday at 10:30 a.m. and 12 p.m.	Come visit the Meat Science Lab and get a brief overview of the meat science industry.
Self-guided Conservatory Tours	Plant Science Lab Conservatory	Friday and Saturday, all day	Come enjoy the beauty of a tropical paradise in the PSL Conservatory! See bananas and bird of paradise plants! We hope you enjoy seeing these new and exotic plants.
Library	Meet at the second floor circulation desk to take the tour.	Friday: 10 a.m., 12 p.m. and 2 p.m.; Saturday: 11a.m. and 1 p.m.	The Funk Library of Agricultural, Consumer and Environmental Sciences is one of the newest libraries on campus. Discover all the resources available to students including an extensive collection of agriculture literature and reference volumes, group study rooms, computer lab, meeting spaces and a wonderful study environment.
Explore a Molecular Genetics Lab	Turner Hall/ERML	Friday-10 a.m., 11 a.m., 12 p.m., 1 p.m. 2 p.m. Saturday 10 a.m., 11 a.m., 12 p.m., 1 p.m.	See tissue culture growth chambers for plant cultures and learn how students and faculty in Crop Sciences use molecular genetics to study soybeans and other plants. Meet in the north entryway of Turner Hall.
Special Presentations			
Financial Aid	Monsanto Room, Library	Friday & Saturday 11:30 a.m. to 12:30 p.m.	
Office of Admissions and Records	Monsanto Room, Library	Friday 1 p.m., Saturday 10:30 a.m.	
ISGS's Earth, Wind and Fire 5K Run and 2.5 Walk		Saturday 8:00 a.m.	



BIOENERGY

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As we look to the future, renewable energy sources are important not only for preserving the global environment and natural resources, but also for furthering agricultural progress. From researching potential fuel crops to engineering the refining processes, the College of ACES is on the cutting edge of bioenergy research. Discover the ways you can take part in fueling the future of our planet.

PATHWAY PREVIEW

UNCOVER EXCITING NEW TECHNOLOGIES

EXPLORE CAREER POSSIBILITIES

INVESTIGATE BIOENERGY RESEARCH

Alternative Diesel Fuels for Off-Road Equipment

Hallway, AESB

Explore the world of alternative fuels as you tour the engines and fuels laboratory. Check out the latest biofuels research and learn about the environmental impacts.

A Promising New Energy Source: Crude Oil from Swine Manure

Hallway, AESB

Check out the research on this promising new energy source. Using a thermochemical conversion (TCC) processes biomass like swine manure can be transformed into a form of crude oil. Find out about the economic and environmental potential of this exciting research.

Miscanthus for Renewable Energy

Outside, PSL

What grass can grow taller than 10 ft? Miscanthus. Find out how students are researching this giant type of grass for energy production. Come see miscanthus for yourself.

Bioenergy Crops of the Future

Room W-121, Turner Hall

What crops will be grown for bioenergy in 10 or 20 years? Visit this exhibit to learn about crops with potential as bioenergy crops. Learn about research on potential biofuel crops.

New Fermentation Process for Ethanol Production

Digital Computer Laboratory, EOH

The ethanol industry constantly explores new methods to reduce the production costs of ethanol. Vacuum systems can remove ethanol selectively, improving ethanol productivity. A recently developed enzyme allows an energy intensive cooking process to be bypassed in the dry grind plant.

Interactive Carbon Cycle

Digital Computer Laboratory, EOH

In the Biomass lab, we use models to help analyze how a complex system works. In this interactive game, become part of a carbon cycle model. We'll show how a complex system model works, and why little changes in the way we use fossil fuels can make a big difference to global warming.



COMMUNITY DEVELOPMENT

Communities are a reflection of who we are and where we're from. The College of ACES cultivates an understanding of the way individuals, families and communities interact. Uncover the possibilities to build diverse relationships and enhance your leadership skills.

PATHWAY PREVIEW

DISCOVER CAREER POSSIBILITIES

FIND OUT ABOUT RELATED ACES PROGRAMS

CHECK OUT THE LATEST RESEARCH

H.I.P. Club

Bevier Commons, Bevier Hall

Human Interest Professions Club is a volunteer organization through the Department of Human and Community Development. Meet with members to learn about all the exciting events and activities.

Exploration of Environmental Epiphanies

Mumford Hall

Discover how an individual's moving experiences relate to the natural environment.

ACES James Scholar project presented by Shannon O'Laughlin (Inverness, IL).

Biofiltration System for a Sustainable Environment

Digital Computer Laboratory, EOH

The objective of this research is to design, implement, and evaluate a renewable, naturally available biofilter to minimize chemicals from agricultural fields traveling into surface water sources. The project integrates social benefit, economic prosperity, and environmental protection.

Parental Perceptions of Sibling Relationships

Mumford Hall

Working with the More Fun With Sisters and Brothers Program (MFWSB), this research project examines whether participation in the program altered parent perception of positive sibling relationships. The MFWSB program seeks to enhance the relationship quality of 4-8 year old sibling pairs.

ACES James Scholar project presented by Sarah Priven (Great Neck, NY).

Veterinarians Without Borders

Stock Pavilion

Explore the international opportunities to volunteer with wildlife and conservation programs in developing countries. Students can travel abroad with Veterinarians Without Borders to learn about environmental and socio-economic issues through cultural immersion.



EXPERIENTIAL LEARNING

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In the College of ACES, we believe experiences outside the classroom contribute to a comprehensive education. International travel, networking with professionals, internships, student organizations and leadership development programs offer practical applications and real world experience. Explore the opportunities to add value to your education.

PATHWAY PREVIEW

DISCOVER TREMENDOUS OPPORTUNITIES

BROADEN YOUR HORIZONS

LOOK BEYOND THE CLASSROOM

ACES Global Ambassadors

Sims Room, ACES Library

Explore ways to add an international dimension to your education. Learn about study trips, internships and employment in international agriculture as members of this student organization share their experiences abroad.

Leadership in Action

Sims Room, ACES Library

Expand your experience in the College of ACES by developing your leadership skills through Leadership in Action. Use the building blocks of opportunity to explore the possibilities as you play "Leadership Jenga."

International Business Immersion Program (IBIP)

Sims Room, ACES Library

Go global with this unique ACES study abroad program. Students explore a real-world international food-marketing channel through a semester course and an intensive, two-week international research trip.

Agricultural Policy and Leadership

Sims Room, ACES Library

Take an in-depth look at current agricultural policy through ACE 199. Students in this unique course learn firsthand about the policy making process through a weeklong trip to Washington D.C.

Illini Pullers

Hallway, AESB

From mechanical design to construction, members of the Illini Pullers Club work as a team to build a 1/4 scale pulling tractor for a national competition held in Peoria, Ill. each year. Students gain real world experience, learn problem-solving skills and apply classroom knowledge in mechanical engineering and business management.

Association of Food Technologists

Bevier Commons, Bevier Hall

Indulge your taste buds with a chocolate dipped treat while browsing the AFT booth. Check out the food development project displays and learn about all this student organization has to offer.

Illini Dairy Club

Stock Pavilion

Try milking a cow or feeling the inside of a live cow's stomach at the Illini Dairy Club booth. Members of this student organization will share their expertise on dairy cattle and the dairy industry.

Companion Animal Club

Stock Pavilion

Are you an animal lover? Then check out the Companion Animals Club. Members of this student organization promote responsible pet ownership and humane education as well as volunteering at animal rescue shelters.

Field and Furrow Club

Student Lounge, Turner Hall

Think you know your plant pests? Come and take the Field and Furrow Club's quiz on plant pests and herbicide injury. Be sure to ask about the club's many fun activities.



GENETICS

From increased corn yields to heavier muscled cattle, genetics is on the forefront of advancements in agricultural productivity. Research at the College of ACES fosters the development of emerging genetic technologies. Whether you're interested in plants or animals, find out how your future starts here.

PATHWAY PREVIEW

EXPLORE PLANT AND ANIMAL GENETICS

CHECK OUT THE LATEST RESEARCH

INVESTIGATE CAREER POSSIBILITIES

The Illini Poultry Club

Stock Pavilion

Come see what's hatching at the Illini Poultry Club exhibit. Don't miss the chance to see chicks hatch and touch a live chicken. Student members invite you to learn more about the poultry science industry including chickens, eggs and career possibilities.

Disease Resistant Plants

Room W-121, Turner Hall

Visit this exhibit to learn about some common pests of crop plants and see the difference between pest resistant and susceptible plants. See how well you can score resistant and susceptible plants.

Mutants of Maize

Student Lounge, Turner Hall

Explore the oddities of the corn world! See purple and white corn plants growing before your very eyes. Check out the ancestry of corn.

Explore a Molecular Genetics Lab

Turner Hall/ERML

Tour a molecular genetics lab with ACES student, Geoff Benn. See tissue culture growth chambers for plant cultures and learn how students and faculty in Crop Sciences use molecular genetics to study soybeans and other plants. Meet in the north entryway of Turner Hall on Friday at 10 a.m., 11 a.m., 12 p.m., 1 p.m. 2 p.m or Saturday at 10 a.m., 11 a.m., 12 p.m. and 1 p.m.

Development of a Protocol for qRT-PCR with Reagents Produced In-Lab

Mumford Hall

Working in the field of genomics, this James scholar looked for ways to optimize the quantitative real-time polymerase chain reaction for use with reagents produced in the lab. Using reagents produced in lab lowers costs 100-fold, allowing cheap confirmation of microarray results and opening the door to other large-scale expressional studies in genomics.

ACES James Scholar project presented by Geoffrey Benn (Albany, NY).



NUTRITION

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Innovations in the area of nutrition contribute to the health and well-being of humans and animals. New processing methods, product development and enhanced food quality fall within the realm of research for the College of ACES. Investigate the ways your life is affected by the many facets of nutrition.

PATHWAY PREVIEW

EXPLORE HUMAN AND ANIMAL NUTRITION

DISCOVER POSSIBLE CAREERS

LEARN ABOUT U OF I RESEARCH

Guided Tour of the Food Science Pilot Plant

Room 165, AESB

Investigate food-processing methods like pasteurization, drying, extrusion and commercial canning as you tour a working food science pilot plant. Learn about the latest developments in food processing. Tours begin at 10 a.m. and 1 p.m. and will last approximately 35 minutes.

Illinois Center for Soy Foods

Bevier Commons, Bevier Hall

Crunch on some healthy soy nuts as you discover the latest research and developments from the Illinois Center for Soy Foods. Learn what's up with soy and find out new ways to add this delicious ingredient to your life.

Food Product Development

Bevier Commons, Bevier Hall

Discover how new foods go from a product idea to the supermarket shelf. The FSHN 466 course gives students hands-on experience in this exciting application of food science.

Know Your Own Pyramid

Bevier Commons, Bevier Hall

Test your ability to detect nutrition fact or fiction by taking a shot at the "Mythbusters" quiz from the Student Dietetic Association. Play "Pyramid Bags" to find out how balanced nutrition fits into your eating habits.

The Effect of Prebiotics and Probiotics in Partial Enteral Feeding in Neonatal Short Bowel

Mumford Hall

Learn about research completed on the intestinal adaptation caused by four different diets on piglets with short bowel syndrome.

ACES James Scholar project presented by Selina Varma (Sterling, IL).

From Illinois Fields to You

Room W-121, Turner Hall

Did you know the food you put on your plate may have come from an Illinois field? Check out this exhibit to learn about the nutrients we get from various crops that come from fields in our area.



Map code: E
1101 S. Goodwin Ave., Urbana

ACES Library, Information and Alumni Center

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FIND IT HERE

- ACES academic programs
- University admissions and financial aid
- Housing options
- Agricultural and Consumer Economics
- Ag Communications and Education
- ACES Alumni



Accessible entrance on the south side of the building.

Library Tours

Friday: 10 a.m., 12 p.m. and 2 p.m.

Saturday: 11 a.m. and 1 p.m.

The Funk Library of Agricultural, Consumer and Environmental Sciences is one of the newest libraries on campus. Discover all the resources available to students including an extensive collection of agriculture literature and reference volumes, group study rooms, computer lab, meeting spaces and a wonderful study environment. Meet at the second floor circulation desk to take the tour.

ACES Global Ambassadors

Sims Room, ACES Library

Explore ways to add an international dimension to your education. Learn about study trips, internships and employment in international agriculture as members of this student organization share their experiences abroad.

Leadership in Action

Sims Room, ACES Library

Expand your experience in the College of ACES by developing your leadership skills through Leadership in Action. Use the building blocks of opportunity to explore the possibilities as you play "Leadership Jenga."

Minorities in Agriculture, Natural Resources and Related Sciences (MANRRS)

Sims Room, ACES Library

Meet the members of this student organization and discover the rich diversity within the College of ACES. MANRRS provides students with service opportunities, leadership development and academic support.

Family Resiliency Center

Sims Room, ACES Library

Check out the Family Resiliency Center exhibit to learn more about this program dedicated to building strong families. Learn about current projects and opportunities for students through internships and volunteering.

Sigma Alpha

Morgan Room, ACES Library

Discover your potential for excellence through this professional agricultural sorority. A student organization for women in agriculture, Sigma Alpha promotes leadership, scholarship and service.

International Business Immersion Program (IBIP)

Sims Room, ACES Library

Go global with this unique ACES study abroad program. Students explore a real-world international food-marketing channel through a semester course and an intensive, two-week international research trip.

Agricultural Policy and Leadership

Sims Room, ACES Library

Take an in-depth look at current agricultural policy through ACE 199. Students in this unique course learn firsthand about the policy making process through a weeklong trip to Washington D.C.

Alumni

Atrium, ACES Library

Discover how ACES graduates apply their college experience in the real world. Meet alumni in a variety of career areas and investigate the post-college possibilities.

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Illinois Leadership Center

Heritage Room, ACES Library

Enhance your leadership skills through the programs and services available free to U of I students through the Illinois Leadership Center. Find out how to earn a leadership certificate. Check out the i-programs and other ways to gain leadership—the experience you need for life.

ACES Career Services

Sims Room, ACES Library

From landing an internship to launching a career, let ACES Career Services be your guide. Find out about the resources available to help you every step of the way from choosing your major to deciding where to attend grad school.

Armory House & Armory Suites

Basement Hallway, ACES Library

Armory House is a co-ed residence that offers superior comfort and services. Choose from single, double and deluxe double rooms at Armory House Main or a luxurious single at Armory House Suites. Find out about all the amenities, academic programs and social activities at our exhibit.

Location: 1010 S. Second St., Champaign
Phone: 217-344-4499

Alpha Gamma Sigma (Illidell) Fraternity

Basement Hallway, ACES Library

Illidell members share a strong bond of brotherhood and an uncommon sense of cooperation. Established in 1949 as an independent cooperative, Illidell joined the national agricultural fraternity Alpha Gamma Sigma in 1980.

Location: 303 E. Chalmers St., Champaign
Phone: 217-344-3410

Alpha Gamma Rho (AGR) Fraternity

Basement Hallway, ACES Library

Alpha Gamma Rho is a brotherhood, unique in its dedication to agriculture, with a vision towards the future. Founded in 1906, AGR has been an upstanding professional fraternity on the University of Illinois campus for over 100 years. Alpha Gamma Rho has been making better men by instilling them with the social, mental and moral skills necessary to make young men successful in life after college.

Location: 58 E. Gregory Drive, Champaign
Phone: 217-337-4240

FarmHouse Fraternity

Basement Hallway, ACES Library

FarmHouse Fraternity welcomes young men from rural areas and small towns with diverse academic majors and personalities. FarmHouse seeks to build the whole man: intellectually, socially and morally, physically and religiously. The chapter consistently ranks in the top five in academics, brotherhood, philanthropy and social involvement among the fraternities on campus.

Location: 809 W. Pennsylvania Ave., Urbana
Phone: 217-344-4069

Nabor House

Basement Hallway, ACES Library

Looking for affordable housing? Interested in living cooperatively with other guys who share a Christian faith and an agricultural background? Then check out Nabor House Fraternity!

Location: 1002 S. Lincoln Ave., Urbana
Phone: 217-344-3532

Natalie Coers, Senior
Agricultural Leadership Education

“The best part about Agricultural Leadership Education is that it combines aspects of education and communication, working with your personal strengths and interests to prepare for a career that is focused on developing people and organizations to better serve communities around the world.”



4-H House Sorority

Basement Hallway, ACES Library

4-H House is a cooperative sorority seeking women with at least 5 years of 4-H background. Established in 1934, 4-H house is strong sisterhood. We look forward to talking with you!

Location: 805 W. Ohio St., Urbana,
Phone: 217-344-4784

Financial Aid

Monsanto Room, ACES Library

Learn about the resources available to help you finance your education by attending presentations Friday and Saturday, 11:30 a.m. to 12:30 p.m. From figuring out the FAFSA to applying for student loans, Financial Aid has the answers you need at <http://www.osfa.uiuc.edu>.

University Housing

Basement Hallway, ACES Library

From residence halls to certified housing, uncover your options for living on campus. Each year over 25% of the entering freshman class choose to live in one of the many Private Certified Housing facilities. Find out more at the University Housing exhibit or check out <http://certified.housing.uiuc.edu>.

Office of Admissions & Records

Monsanto Room, ACES Library

Questions about the application and acceptance process? The Office of Admissions and Records has the answers plus a wealth of resources for parents and students. Learn more by attending presentations Friday 1 p.m. and Saturday 10:30 a.m. or visit <http://www.oar.uiuc.edu>.

Careers in Agricultural and Biological Engineering

Heritage Room, ACES Library

Agricultural and Biological Engineers solve engineering problems related to living organisms and systems. Careers are available through industry, government and academics in areas such as bioprocessing, renewable energy, water and air quality, food production systems and many more.

Agriculture and Consumer Economics Club

Morgan Room, ACES Library

Visit the ACE club booth to find out ways agricultural and consumer economics students can get involved on campus. Play an interactive game to learn more about the ACE department and earn a chance to win a grand prize.

Is Agricultural Communications Right for You?

ACES Library

Learn about the U of I Agricultural Communications program and the specialized niches available for Ag Com students. Meet faculty and students to learn where a communications degree can take you!

Collegiate 4-H

Morgan Room, ACES Library

An exciting adventure awaits you in Collegiate 4-H, a service oriented organization dedicated to youth development and community enrichment. Play a bean-bag toss game to test your knowledge of the organization and speak with members about their experiences.

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Alyssa Bane, Sophomore Agricultural Communications- Advertising

"Be sure to take the time you need to establish strong grades and make the transition to living on your own. Once you feel comfortable with your surroundings, get involved in a few organizations that will add to your resume. Balance between academics, involvement, and fun is the key to success in college."





Map code: **K**
1304 W. Pennsylvania Ave., Urbana

Agricultural Engineering Sciences Building (AESB)

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FIND IT HERE

- Agricultural Engineering
- Technical Systems Management
- Food Science and Human Nutrition



Accessible entrance on the south side of the building.

Alternative Diesel Fuels for Off-Road Equipment

Hallway, AESB

Explore the world of alternative fuels as you tour the engines and fuels laboratory. Check out the latest biofuels research and learn about the environmental impacts.

Illini Pullers

Hallway, AESB

From mechanical design to construction, members of the Illini Pullers Club work as a team to build a 1/4 scale pulling tractor for a national competition held in Peoria,

Ill. each year. Students gain real world experience, learn problem-solving skills and apply classroom knowledge in mechanical engineering and business management.

Guided Tour of the Food Science Pilot Plant

165, AESB

Investigate food-processing methods like pasteurization, drying, extrusion and commercial canning as you tour a working food science pilot plant. Learn about the latest developments in food processing. Tours begin at 10 a.m. and 1 p.m. and will last approximately 35 minutes.

Clean Diesel MTD Bus

Hallway, AESB

The Champaign-Urbana Mass Transit District provides transportation to students and the general public. In order to decrease direct exposure to toxic diesel engine emissions, an advanced retrofit system, such as the Diesel Particulate Filter, is being adapted.

Air Cannons in Agriculture and Forestry

Hallway, AESB

Find out how an air cannon works and see a live demonstration at this exhibit. Air cannons are used for a variety purposes in the agriculture industry, including the "puncher-planter" and general safety testing.



Isaac Blue, Freshman
Technical Systems Management

"The most enjoyable feature of the TSM department is the close relationship that we students have with our instructors. We are able to get a lot of one-on-one time with our instructors and develop valuable connections with them."

Guidance in Robotics

Hallway, AESB

Come check out our robot! It can find its own location using a laser beam sensors in a board. The phase differences among the signals tell us the relative angles with respect to the receivers. This is translated into coordinates on a computer, which then sends the location to the robot wirelessly.

Observe Cosmic Particles from Outer Space

Hallway, AESB

Watch as we vaporize and supersaturate alcohol particles inside a cloud chamber. This chemical arrangement can be used to make Radon particles visible.

Precision Agriculture

Hallway, AESB

Come see what's on the horizon for precision agriculture. Find out how U of I researchers are engineering the future with research projects including a robot that detects individual weeds and applies herbicide, a helicopter for remote-sensing and a sprayer system designed to measure droplet size and velocity.

Illini Agricultural Mechanization Club

Hallway, AESB

Discover all the Illini Agricultural Mechanization Club has to offer students interested in Technical Systems Management. From networking with industry leaders to student leadership development, this organization will help equip you for success.

A Promising New Energy Source: Crude Oil from Swine Manure

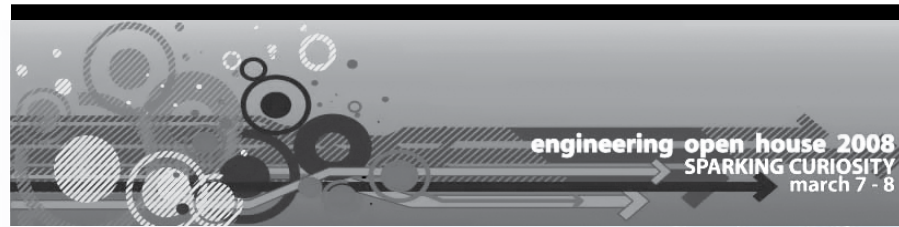
Hallway, AESB

Check out the research on this promising new energy source. Using a thermochemical conversion (TCC) processes biomass like swine manure can be transformed into a form of crude oil. Find out about the economic and environmental potential of this exciting research.

Sidney M. Knight, Freshman
Agricultural and Biological Sciences

"The college of ACES has such a wide variety of degree paths ranging from science majors to journalism. ACES has a great diverse environment and unlimited opportunities to explore other countries and different cultures."





Engineering Open House (EOH)

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Discover, learn and experiment with the latest in engineering, science and technology at Engineering Open House. From liquid nitrogen to concrete crushing, Engineering Open House hopes to spark your curiosity in engineering. Located north of Green Street, six blocks north of Gregory Drive, Engineering Open House features research projects and interactive exhibits from university professors, students, organizations and sponsoring corporations. The shuttle bus makes stops at Engineering Open House.

Digital Computer Laboratory

Find more agricultural engineering exhibits on the north end of campus at Engineering Open House. The Digital Computer Laboratory is located on Springfield Avenue, north of Grainger Engineering Library.

New Fermentation Process for Ethanol Production

Digital Computer Laboratory, EOH

The ethanol industry constantly explores new methods to reduce the production costs of ethanol. Vacuum systems can remove ethanol selectively, improving ethanol productivity. A recently developed enzyme allows an energy intensive cooking process to be bypassed in the dry grind plant.

Interactive Carbon Cycle

Digital Computer Laboratory, EOH

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Biofiltration System for a Sustainable Environment

Digital Computer Laboratory, EOH

The objective of this research is to design, implement, and evaluate a renewable, naturally available biofilter to minimize the transport of chemicals from agricultural fields into surface water sources. The project integrates social benefit, economic prosperity, and environmental protection.

A Polymerase Chain Reactor—the technology at the heart of genetic engineering, biotechnology, and even crime forensics!

Digital Computer Laboratory, EOH

Polymerase chain reaction (PCR) is a process used to amplify small quantities of deoxyribonucleic acid (DNA) by repeatedly duplicating it. We have constructed the IlliniCycler, a computer controlled thermal cycler that promises PCR results comparable to those produced by commercial devices.

Robotics in Agriculture, are they coming or going?

Digital Computer Laboratory, EOH

Robotics in crop production show great potential in acquiring data from the field and for low energy operations. This robot can be used for mechanical weed control. This will become more important in the future since an increasing number of weeds are becoming resistant to glyphosate.



Map code: **C**
1207 W. Gregory Drive, Urbana

Animal Sciences Laboratory (ASL)

19

FIND IT HERE

- Animal Sciences

Be sure to check out the Stock Pavilion for more animal science exhibits.



Accessible entrance on the south side of the building.

Name that Cut!

First floor, ASL

Do you know where a T-bone steak comes from? How about a brisket? Stop by the Meat Science Club exhibit to find out the answers. Play "Name that Cut" and win a prize!

The Bended Knee Equine Training Facility and Arena

First floor, ASL

The Bended Knee Equine Training Facility and Arena is a state-of-the-art cutting and roping horse training facility located in the Texas Panhandle. The Quarter Horses being trained here are destined for the world of professional rodeo.

Dr. Kline's Horse Body Language

Room 131, ASL, Friday at 10 am

Unravel the mysteries of equine behavior in this session on horse body language.

Dr. Hurley's Magical Milk Lab

Room 131, ASL, Saturday at 10:30 am

Discover the marvels of milk with Dr. Hurley, professor of animal science. Get ready for an interactive session on the art of butter making, milk extraction and much more.

Dr. Hutjens Roaming through the Rumen

Room 131, ASL, Saturday at 1 pm

Explore the ruminant digestive system with Dr. Hutjens and learn about large animal nutrition.

Meat Science Lab Tour

Meat Science Lab--Starts from the ACES Library at 10:30 and 12 on both days

Thomas Maske, Animal Sciences

"The College of ACES not only has top notch faculty and staff, but it also has outstanding alumni. The dedication and passion that ACES alumni possess, speak volumes for the quality of education in the College of ACES. Through my involvement with the Student Advancement Committee, I have had the great opportunity to interact with these distinguished alumni and friends of the College of ACES on a personal level."





Map code: **B**
905 S. Goodwin Ave., Urbana

Bevier Hall

FIND IT HERE

- Food Science and Human Nutrition
- Human Development and Family Studies



Accessible entrance on the south side of the building.

Association of Food Technologists

Bevier Commons, Bevier Hall

Indulge your taste buds with a chocolate dipped treat while browsing the AFT booth. Check out the food development project displays and learn about all this student organization has to offer.

Illinois Center for Soy Foods

Bevier Commons, Bevier Hall

Crunch on some healthy soy nuts as you discover the latest research and developments from the Illinois Center for Soy Foods. Learn what's up with soy and find out new ways to add this delicious ingredient to your life.

Food Product Development

Bevier Commons, Bevier Hall

Discover how new foods go from a product idea to the supermarket shelf. The FSHN 466 course allows students hands-on experience in this exciting application of food science.

Know Your Own Pyramid

Bevier Commons, Bevier Hall

Test your ability to detect nutrition fact or fiction by taking a shot at the "Mythbusters" quiz from the Student Dietetic Association. Play "Pyramid Bags" to find out how balanced nutrition fits into your eating habits.

Human Nutrition Club

Bevier Commons, Bevier Hall

Check out the opportunities available for students in the Human Nutrition club. Let us help you get connected and learn about the exciting careers in this field.

H.I.P. Club

Bevier Commons, Bevier Hall

Human Interest Professions Club is a volunteer organization through the department of Human and Community Development. Our organization is displaying the club's goals and a summary of the events of the year.

Bevier Café

Second Floor, Bevier Hall

Tour the newly renovated Bevier Café! Hospitality management and dietetics students in the Quality Foods Preparation and Service course staff the café. Working at the café provides real world experience. Tours will be offered by request.



Melissa Helregel, Sophomore
Human Development and Family
Studies

"I enjoy learning about families and adolescences, along with seeing the same group of classmates everyday. Also, the professors and administrators in the Department of Human and Community Development provide a one-on-one bond with their students to ensure a positive learning experience."



Map code: **A**
1301 West Gregory, Champaign

Mumford Hall

21

FIND IT HERE

- Undergraduate research projects
- James Scholars program



Accessible entrance on the south side of the building.

James Scholar Media Team

Mumford Hall

The James Scholar Media Team reports on current happenings within the ACES Honors Program and beyond through its two newsletters and website. Come meet the people behind the stories and photos!

ACES James Scholar Honors Program

Mumford Hall

Learn about the scholastic advantages and professional development opportunities available to qualified students through our College's Honors Program, now celebrating its 49th year of fostering academic excellence among ACES students.

Assessing Animal Well-Being Using Body Temperature and Behavior

Mumford Hall

This research project observed piglets challenged with LPS/ saline. The piglets behavior and temperatures were documented. Dominance among the piglets was determined and added as a variable to the LPS challenge.

ACES James Scholar project presented by Rachel Michelson (Woodridge, IL).

Exploration of Environmental Epiphanies

Mumford Hall

Discover how an individual's moving experiences relate to the natural environment.

ACES James Scholar project presented by Shannon O'Laughlin (Inverness, IL).

Parental Perceptions of Sibling Relationships

Working with the More Fun With Sisters and Brothers Program (MFWSB), this research project examines whether participation in the program altered parent perception of positive sibling relationships. The MFWSB program seeks to enhance the relationship quality of 4-8 year old sibling pairs.

ACES James Scholar project presented by Sarah Priven (Great Neck, NY).

Development of a Protocol for qRT-PCR with Reagents Produced In-Lab

Mumford Hall

Working in the field of genomics, this James scholar looked for ways to optimize the quantitative real-time polymerase chain reaction for use with reagents produced in the lab. Using reagents produced in lab lowers costs 100-fold, allowing cheap confirmation of microarray results and opening the door to other large-scale expression studies in genomics.

ACES James Scholar project presented by Geoffrey Benn (Albany, NY).

The Effect of Prebiotics and Probiotics in Partial Enteral Feeding in Neonatal Short Bowel

Mumford Hall

Learn about research completed on the intestinal adaptation caused by four different diets on piglets with short bowel syndrome.

ACES James Scholar project presented by Selina Varma (Sterling, IL).

Characterization of Bioactive Soy Peptides

Mumford Hall

Under the guidance of Dr. Elvira DeMejia and PhD student Wenyi Wang, this student explored the characterization of bioactive soy peptides and its activity against leukemia cancer cells.

ACES James Scholar project presented by Pauline Ie (Jakarta, Indonesia).

Sow Behavior-Environment Interactions

Mumford Hall

Learn about research that videotaped sows to assess their behavior in farrowing stalls. The different behaviors were noted among the groups of sows. Results indicated that sows environment and pen space affect their behavior.

ACES James Scholar project presented by Jennifer Menning (Crystal Lake, IL).

The Effects of Newcastle Virus Vaccine on Epididymal Stone Formation in Roosters

Learn about the Newcastle Virus Vaccine and its role in epididymal stone formation in

roosters. Epididymal stones are believed to form in the epididymis, causing decreased fertility, which has a large economic impact on the poultry industry.

ACES James Scholar project presented by Joseph Esch (Lambertville, NJ).

Presence of Felids by Habitat Type in a Natural Area of Illinois (Robert Allerton Park)

This field study used scent stations and motion-detector cameras to identify cats in natural areas. This James Scholar project provides information on felid habitat use and whether they impact the ecosystem and spread diseases such as toxoplasmosis.

ACES James Scholar project presented by Kimberly Wangen (Elk Grove Village, IL).

Spruce Bark Beetle Risk Perception in Seldovia, Alaska from 2003 to 2007

Mumford Hall

Come see how this James Scholar conducted research in 2003 and then completed a follow-up study in 2007. This research provided an analysis of a community's evolution risk perception for spruce bark beetles in the Seldovia community in relation to the entire peninsula.

ACES James Scholar project presented by Lindsey Hajduk (Emwood Park, IL).

Methoxychlor and Its Metabolites Induce Baboon Antral Follicle Atresia In Vitro by Altering Bcl-2 Family Members

Visit this James Scholar's poster to learn about research on the pesticide Methoxychlor. This research shows how the pesticide Methoxychlor causes infertility in baboons upon exposure. This student's research was conducted in Dr. Jodi Flaws Laboratory, located in the Veterinary Medicine Building.

ACES James Scholar project presented by Daniel Clark (Oblong, IL).

Children's Friendship Competence and Presence During School Entry: Associations with Later Externalizing and Internalizing Behavior

Mumford Hall

Visit this James Scholar to find out how this project attempts to understand the association between children's friendships and later behavioral outcomes. More specifically, how does having no friends compare to poor quality friendships or good quality friendships and what the behavioral outcomes are for each?

ACES James Scholar project presented by Nicole Lasky (Riverwoods, IL).

Brazilian Demand

Mumford Hall

Student research on the recent rapid economic expansion in Brazil found that there is a demand for certain products. This James Scholar worked to identify correlations among these products in the Brazilian market and world market.

ACES James Scholar project presented by David Mackinson (Pontiac, IL).

An Assessment of Risk Taking Values for Students

Mumford Hall

Everyone has different risk perceptions. See how this study worked to determine if there is a predictable shift in risk perceptions as one ages into their 20s.

ACES James Scholar project presented by Grant Ziesemer (Kildeer, IL).

The Effect of Simulated Gastrointestinal Digestion on Proteins from Seven Soy Genotypes

Mumford Hall

This ACES James Scholar researched seven soy genotypes. These soy genotypes were hydrolyzed and analyzed for protein contents, peptide sizes and specific types of protein components, such as Bowman-Birk Inhibitor and Lunasin. This analysis was then used to further support research on the bio-activity of soy peptides against Leukemia cancer cells.

ACES James Scholar project presented by Pauline Ie (Jakarta, Indonesia).

Changes in Hypothalamic alpha-MSH in Rats Fed a High Whole Milk Protein Diet

This James Scholar investigated the mechanisms behind the growing obesity problem. Using rats, this project studied hypothalamic regulation of food intake and brain signaling that initiates satiety when fed a high protein diet.

ACES James Scholar project presented by Kristy Heppner (Itasca, IL).

The Use of A Hormone Test to Detect Pregnancy and Estrus

Come experience how this James Scholar's project analyzed the effectiveness of a blood progesterone test as an early pregnancy test and an estrus detection test in beef cattle.

ACES James Scholar project presented by Lauretta Lacko (Hickory Hills, IL).

Development of an In Vitro Fluorescent Semen Staining Technique to Ascertain the Impact of Insemination Timing on a Functional Sperm Reservoir in the Pig

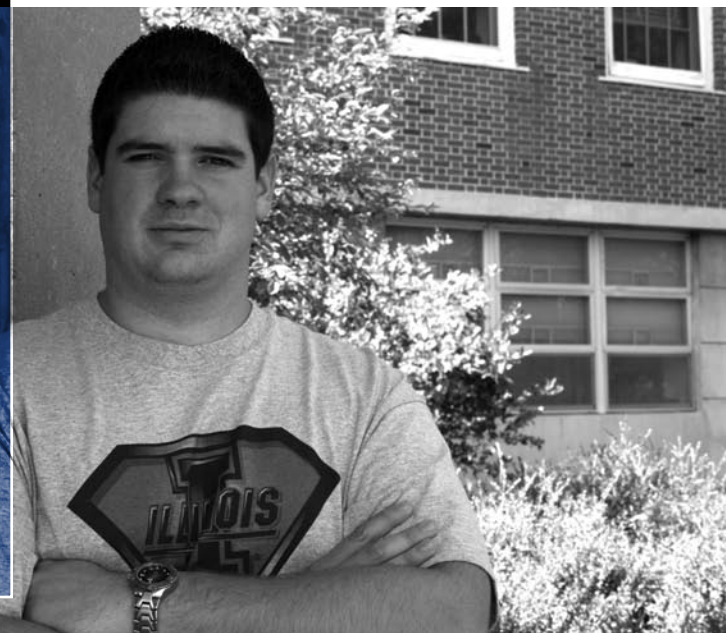
Learn how a new technique was developed for fluorescently staining extended boar semen and its effect on semen quality as well as assessing its potential effect on fertility for use with artificial insemination in swine.

ACES James Scholar project presented by Caitlyn Getty (Lisle, IL).

23

Jason Bollivar, Senior
Agriculture and Consumer Economics

"I really enjoy the flexibility of my major. With a degree in ACE you have so many options as to what you can do for a future career. I also really enjoy how much the professors within the department are willing to help you to accomplish anything you want to take on."



24

Special Projects for ACE 499

Students in ACE 499 create Excel tools to perform tasks more efficiently. These special projects allow agribusiness students to develop practical skills needed on the job. Come see the research behind the Excel projects.

ACES James Scholar project presented by Traci Kingdon (El Paso, IL).

The Effect of a Hormonal Injection on Estrus Resynchronization

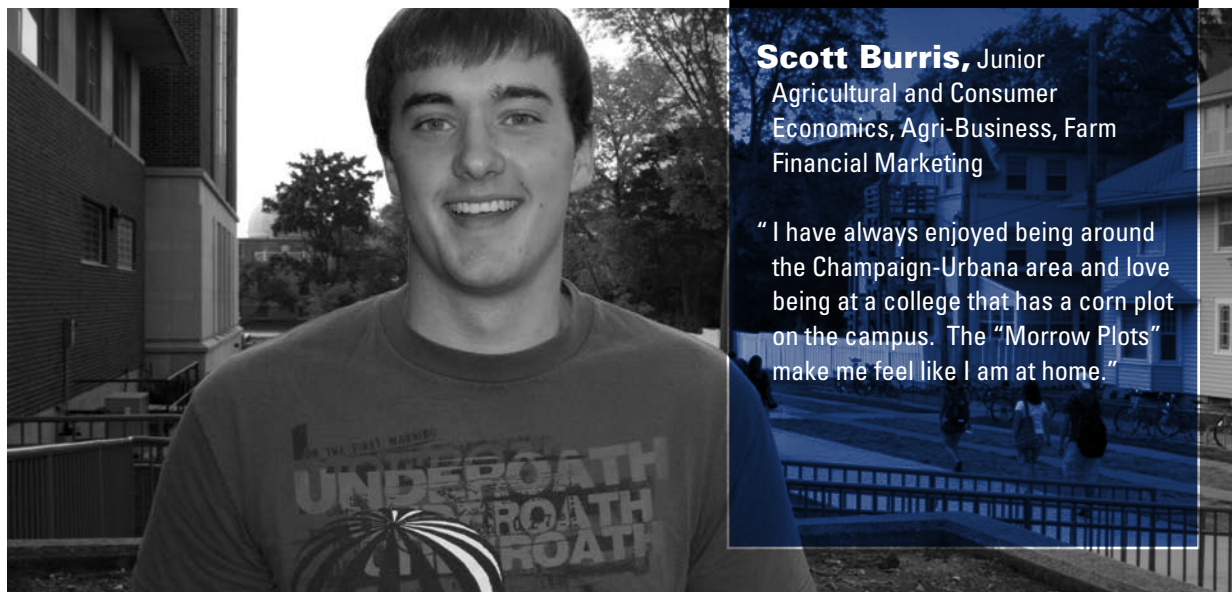
Experimentation led this James Scholar to realize the importance of inducing estrous after a failed initial breeding, so that beef cows can become pregnant in a timely manner. A hormone called GnRH was used in an attempt to synchronize egg development in ovarian follicles so that the follow-up pregnancy rates would be high.

ACES James Scholar project presented by Thomas Maske (Mount Pulaski, IL).

Changing Demographics in Agricultural Education: Are Agricultural Education Programs Representative of Their Schools and Communities?

Come visit this James Scholar's research exhibit which addresses the need for agricultural education to emphasize and adapt the three part, comprehensive education model to create relevant programs that reflect the diverse, growing needs of the community the school serves.

ACES James Scholar project presented by Natalie Coers (Emden, IL).



Scott Burris, Junior
Agricultural and Consumer
Economics, Agri-Business, Farm
Financial Marketing

"I have always enjoyed being around the Champaign-Urbana area and love being at a college that has a corn plot on the campus. The "Morrow Plots" make me feel like I am at home."

**ACES offers 10 majors
with 37 concentrations at
the undergraduate level**



Map code: I
607 E. Peabody Drive, Champaign

Natural Resources Building

25

FIND IT HERE

Illinois State Geological Society

Open House: Friday from 9 a.m. to 4 p.m. and
Saturday from 10 a.m. to 3 p.m.



*Accessible entrance on the south side of
the building.*

Come join the fun and excitement at the 2008 ISGS Open House on Friday, March 7, from 9:00 a.m. until 4:00 p.m. and Saturday, March 8, from 10:00 a.m. until 3:00 p.m.

Watch the geologic history of Illinois come to life in “Build Illinois,” hunt for buried treasure at the “Kids Fossil Dig,” try to stump our geologists with your questions (ask why a dinosaur has never been found in Illinois) and discover all the Illinois State Geological Survey has to offer. Learn about our state’s energy resources, see a drill rig that can penetrate hundreds of feet into the Earth’s surface and much more. Check out all the interactive exhibits, demonstrations and hands-on activities for the general public, students, teachers of all levels and

- Kid’s Fossil Dig
- Hands on lab experiments and activities
- Mapping workstation— use computers to create a map of your own backyard
- Build Illinois—an engaging demonstration of Illinois’ geologic history
- Fun with Gases, Liquids and Solids: Physical Chemistry in Action

- Rock, mineral and fossil displays
- Sloth says...Ice Age, WHAT?—an interactive exhibit about the materials deposited by glaciers in Illinois
- Illinois from Space
- And many more exhibits, demonstrations and activities relating to the ISGS and the geology of Illinois

Find more information on our Web site at www.isgs.uiuc.edu. For additional information or to arrange a group field trip, please contact Cindy Briedis at (217) 244-2762 or send your request to openhouse@isgs.uiuc.edu.

ISGS Earth, Wind and Fire 5K Run & 2.5K Walk, Saturday at 8 a.m.



Map code: **H**
1201 S. Dorner Drive, Urbana

Plant Science Lab (PSL) and Greenhouses

26

FIND IT HERE

- Natural Resources and Environmental Sciences
- Horticulture



Accessible entrance on the south side of the building.

The Environmental Change Institute at UIUC

First Floor, PSL

Find out how the Environmental Change Institute is working to increase our understanding of complex food, energy and environmental systems problems caused by environmental change. The ECI looks for ways to develop practical solutions linking the highest quality science with effective public policies to diminish and mitigate the impacts of environmental change.

Floral Design to Music

1125 Plant Science Lab

Friday and Saturday at 11 a.m. and 1 p.m. daily
Presenter: Dianne Noland

Check out one of ExplorACES most popular exhibits! Watch as students interpret music in creative floral designs.

Miscanthus for Renewable Energy

Outside, PSL

What grass can grow taller than 10 ft? Miscanthus. Find out how students are researching this giant type of grass for energy production. Come see miscanthus for yourself.

Turf Club

First Floor, PSL

Ever think about having a career in Turfgrass Management? Come ask students questions about possible opportunities in Turfgrass Management. Students will also explain how to effectively manage your home lawn. For fun, an interactive putting contest is available to show off your golf skills.



Amanda Klinefelter, Junior
Horticulture

"The University of Illinois is a great school, and you will get an excellent education. The people within the College of ACES are wonderful. All the faculty and staff are extremely knowledgeable and willing to help with any concerns."

Horticulture Club

First Floor, PSL

Come join the Horticulture Club to propagate your very own plant to take home! You can check out photos of our activities and speak with club members on the benefits of joining the Horticulture Club. Find out about our fun and exciting workshops, events, and the Mom's Day Flower Show!

Do you know your plants?

First Floor, PSL

The Floral Design Club wants to see how much you know. Test yourself and see if you know the flowers, trees, and plants on this ID Quiz! This Floral Design Club exhibit is both challenging and fun.

Herbs

First Floor, PSL

Ever wonder what those herbs were sitting in your kitchen cabinet? The Horticulture Honor Society is displaying herbs of every scent and shape imaginable. Come learn about these useful plants!

Illini Foresters

First Floor, PSL

Visit this interactive display exhibiting the Illini Foresters student organization, forestry in the U.S., and the University of Illinois' forestry education program.

Illini Wildlife Society

First Floor, PSL

This is where the rubber meets the road for wildlife conservation majors and outdoor enthusiasts! Come check out some great opportunities for students to get engaged in the world of wildlife biology.

Horseradish

Room 180, Bevier Hall, Friday at 12 pm

Presenter: Dr. Skirvin

Eat a free roast beef sandwich and sample some horseradish while you learn all about this specialty crop. Illinois leads the nation in horseradish production.

Self-guided Conservatory Tours

Plant Science Lab Conservatory

Come enjoy the beauty of a tropical paradise in the PSL Conservatory! See bananas and bird of paradise plants! We hope you enjoy seeing these new and exotic plants.



Jake Hendee, Sophomore
Natural Resources and Environmental Sciences

"By far, my favorite activity has been my undergraduate research. Participating in student organization activities, volunteering to help in a research lab, or even getting paid to do research are not only quite a bit of fun, but they are probably the avenue in which I've learned the most while I've been here."



Map code: J
1402 W. Pennsylvania Ave, Urbana

Stock Pavilion

FIND IT HERE

- Animal Sciences

Be sure to visit the Animal Sciences Laboratory for more exhibits.



Accessible entrance on the south side of the building.

Pre-Vet Club

Stock Pavilion

Interested in veterinary medicine? Let the Pre-Vet Club help you achieve your goals. From exploring the different fields within veterinary medicine to advice on vet school applications, this club offers social and academic support for pre-vet students.

Veterinarians Without Borders

Stock Pavilion

Explore the international opportunities to volunteer with wildlife and conservation programs in developing countries. Students can travel abroad with Veterinarians Without Borders to learn about environmental and socio-economic issues through cultural immersion.

Illini Dairy Club

Stock Pavilion

Try milking a cow or feeling the inside of a live cow's stomach at the Illini Dairy Club booth. Members of this student organization will share their expertise on dairy cattle and the dairy industry.

Companion Animal Club

Stock Pavilion

Are you an animal lover? Then check out the Companion Animals Club. Members of this student organization promote responsible pet ownership and humane education as well as volunteering at animal rescue shelters.

The Illini Poultry Club

Stock Pavilion

Come see what's hatching at the Illini Poultry Club exhibit. Don't miss the chance to see chicks hatch and touch a live chicken. Student members invite you to learn more about the poultry science industry including chickens, eggs and career possibilities.

Illini Equestrians

Stock Pavilion

Visit the Illini Equestrians booth to pet a horse and learn about horsemanship. Students will be on hand to answer your questions about Western and English riding. Members of the Illini Equestrians compete in the InterCollegiate Horse Show Association.

Hoof and Horn

Stock Pavilion

Our exhibit will feature information about Hoof and Horn activities. We will also have a bags toss and candy prizes. Come see what we are all about!

Rodeo Club

Stock Pavilion

Experience the U of I Rodeo Club and learn about the exhilarating sport called rodeo. From bull riding to calf roping, this student organization promotes spectatorship and promotion of rodeo.



Samantha Matusiak, Junior
Animal Sciences

"The University of Illinois has endless opportunities to offer to students. I have been fortunate to travel to Jamaica, Brazil and ten different countries in Europe so far through study abroad trips/internships, all related to my Animal Science major."



Map code: F
1102 S. Goodwin Ave, Urbana

Turner Hall

29

FIND IT HERE

- Crop Sciences



Accessible entrance on the south side of the building.

Growing Opportunities in Crop Sciences

West Entrance, Turner Hall

Where will a major in Crop Sciences take you? Visit this exhibit to discover the growing number of opportunities in Crop Sciences, see the specializations within the major, and meet alumni and current students from the department.

Bioenergy Crops of the Future

Room W-121, Turner Hall

What crops will be grown for bioenergy in 10 or 20 years? Visit this exhibit to learn about crops with potential as bioenergy crops. Learn about research on potential bio-fuel crops.

Field and Furrow Club

Student Lounge, Turner Hall

Think you know your plant pests? Come and take the Field and Furrow Club's quiz on plant pests and herbicide injury. Be sure to ask about the club's many fun activities.

Disease Resistant Plants

Room W-121, Turner Hall

Visit this exhibit to learn about some common pests of crop plants and see the difference between pest resistance and susceptible plants. See how well you can score resistant and susceptible plants.

Mutants of Maize

Student Lounge, Turner Hall

Explore the oddities of the corn world! See purple and white corn plants growing before your very eyes. Check out the ancestry of corn.

From Illinois Fields to You

Room W-121, Turner Hall

Did you know the food you put on your plate may have come from an Illinois field? Check out this exhibit to learn about the nutrients we get from various crops that come from fields near here.



John Wyss

Crop Sciences

"What I like the most about being a crop science major is the close knit community within the department, as well as having the chance to not only successfully understand but also improve cropping systems."

30

Diggin' Dirt

Room 115, Turner Hall

Friday and Saturday, 10:00 a.m., runs every 30 minutes.

Come get your hands dirty and see the dark underbelly of Illinois agriculture. Take a tour of American and Illinois soils without leaving your seat and get a bonus take-home gift!

CSI: Crop Sciences Inquiry

Room W-109, Turner Hall

Investigate crop sciences and test your knowledge of plants, agronomy and agriculture. Explore the facts and fallacies using "I-clickers" which poll the audience. Offered at 9:30, 10:30, 11:30, 12:30, 1:30 and 2:30 Friday and Saturday. The mini class will last about 20 minutes.

Explore a Molecular Genetics Lab

Turner Hall/ERML

Tour a molecular genetics lab with ACES student, Geoff Benn. See tissue culture growth chambers for plant cultures and learn how students and faculty in Crop Sciences use molecular genetics to study soybeans and other plants. Meet in the north entryway of Turner Hall. Times: Friday-10 a.m., 11 a.m., 12 p.m., 1 p.m. 2 p.m. Saturday 10 a.m., 11 a.m., 12 p.m., 1 p.m.

Angelica Lagunas, Sophomore
Crop Sciences

"Within my major, I really like how there are so many opportunities. Each day I find a wide range of options that I never knew existed."



Information for Parents

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Financial Aid

Monsanto Room, ACES Library

Learn about the resources available to help you finance your education by attending presentations Friday and Saturday, 11:30 a.m. to 12:30 p.m. From figuring out the FAFSA to applying for student loans, Financial Aid has the answers you need at <http://www.osfa.uiuc.edu>.

University Housing

Basement Hallway, ACES Library

From residence halls to certified housing, uncover your options for living on campus. Each year over 25% of the entering freshman class choose to live in one of the many Private Certified Housing facilities. Find out more at the University Housing exhibit or check out <http://certified.housing.uiuc.edu>.

Office of Admissions & Records

Monsanto Room, ACES Library

Questions about the application and acceptance process? The Office of Admissions and Records has the answers plus a wealth of resources for parents and students. Learn more by attending presentations Friday 1 p.m. and Saturday 10:30 a.m. or visit <http://www.oar.uiuc.edu>.

Housing Units

Incoming students have a wide variety of University and privately owned housing options, each with unique features and benefits. While the College of ACES does not officially endorse any specific housing unit(s), several have enjoyed a long association with the College and its students.

Be sure to check out the housing exhibits in the basement of the ACES Library for more details and application information.

4-H House: cooperative sorority
805 W. Ohio St., Urbana
217-344-4784

Alpha Gamma Rho (AGR): fraternity
58 E. Gregory Drive, Champaign
217-337-4240

Alpha Gamma Sigma (IlliniDell): fraternity
303 E. Chalmers St., Champaign
217-344-3410

Armory House & Armory Suites
1010 S. Second St., Champaign
217-384-4499

FarmHouse: fraternity
809 W. Pennsylvania Ave., Urbana
217-344-4069

Nabor House: independent fraternity
1002 S. Lincoln Ave, Urbana
217-344-3532

Contacts

Admissions:
Assistant Dean Kathy Martensen

Alumni relations:
Director of Alumni Relations, Tina Veal

Diversity programs:
Assistant Dean Jesse Thompson

Honors programs:
Assistant Dean Bill Simmons

Internships & careers services:
Assistant Dean Charles Olson or
Career Services Director Jenny Neef

Leadership programs:
Assistant Dean Charles Olson

Orientation programs:
Assistant Dean Kathy Martensen

Scholarships:
Assistant Dean Charles Olson

Study abroad programs:
Assistant Dean Andrea Bohn

Transfer information:
Assistant Dean Kathy Martensen

Undergraduate research:
Assistant Dean Bill Simmons

Why choose ACES?

Small community inside a large university

The College of ACES is home to approximately 2,250 undergraduate students. The size of each department varies from 100-600 students.

Outstanding scholarships

Each year, ACES awards \$1.1 million in need and merit-based scholarships.

Career building resources

ACES Career Services helps students find internships and land job interviews. Resume writing workshops and interview practice sessions give ACES students a competitive edge.

Academic resources

The Funk ACES library features computer labs, group study rooms and plenty of resources for research projects.

Undergraduate research opportunities

The ACES Research Scholarship Program encourages students to conduct research in a broad range of disciplines solving practical problems. Check out the Hall of Research in Mumford Hall for more information.

Leadership development

ACES Student Council and more than two dozen student organizations offer ample opportunities for students to build leadership skills. Students can earn a leadership certificate and participate in free leadership programs through the Illinois Leadership center.

Outstanding faculty

Award winning faculty in research and education provide the foundation for an excellent education. 95% of classes in the College of ACES are taught by faculty members or academic professionals.

Accessible administration

Through the Lunch with the Deans program, students have the opportunity to get to know the college administration. Many of the Associate Deans also serve as advisors for student organizations.



Maxine Roman, Sophomore
Food Science

"I'm a chemistry person, but I found the general curriculum of Chemistry not exciting. Food Science classes teach all of my favorite things about sciences in an application-oriented manner."

ExplorACES Steering Committee

Thomas Maske and Karlie Elliott, *Co-Chairs*
Jared Roskamp and Patrick Malone, *Exhibit Directors*
Mitch Heisler and Nathan Kurfman, *Logistics Directors*
Deanna Schertz and Travis Huls, *Food Service Directors*
Kayla King, *Publicity Director*
Alyssa Bane, *Website Director*
Anna Ziegler, *Program Director*
Matthew Briscoe, *Secretary*

Departmental Coordinators

Agricultural and Biological Engineering
Faculty/Staff: Scott Bretthauer
Students: Curt Zurliene, Brad Nobbe

Agricultural and Consumer Economics
Faculty/Staff: Dr. Lyle Fettig
Students: Matt Carton, Callie Wilson

Animal Sciences
Faculty/Staff: Dr. Tom Carr
Students: Sarah Turek, Christine Fox

Crop Sciences
Faculty/Staff: Dr. Fred Kolb, Sharon Conatser
Students: Sydney Jarrett, Lindsey Bruntjen

Food Science and Human Nutrition
Faculty/Staff: Becky Roach
Students: Sarah Esgro, Melissa Tisoncik, Lucy Baglin, Ashley Weihe

Human and Community Development
Faculty/Staff: Bob Siebrecht
Students: Jenna Bollivar

Natural Resources and Environmental Sciences
Faculty/Staff: Diane Noland
Students: Blake Meetemeyer, Ewan Robinson

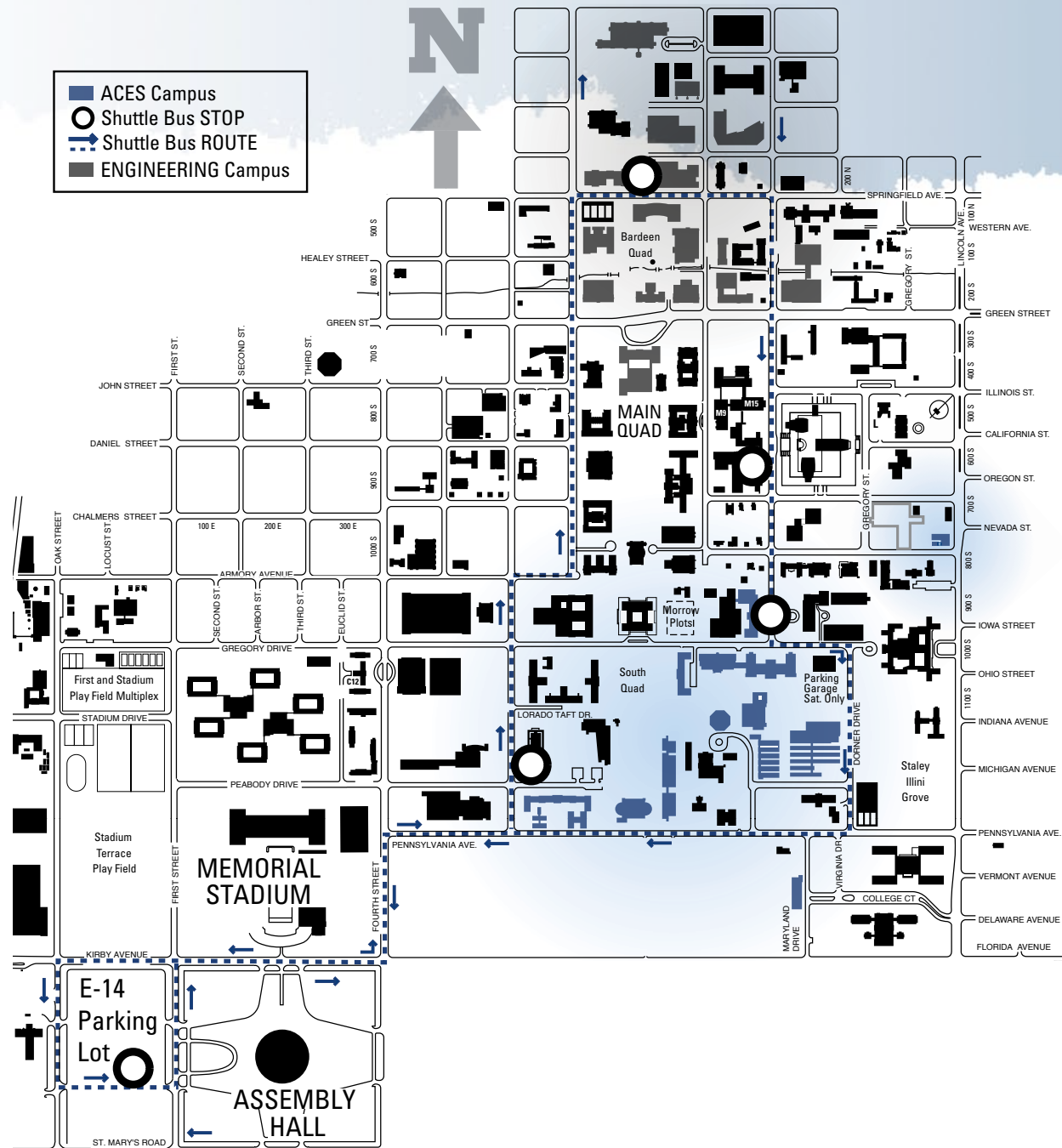
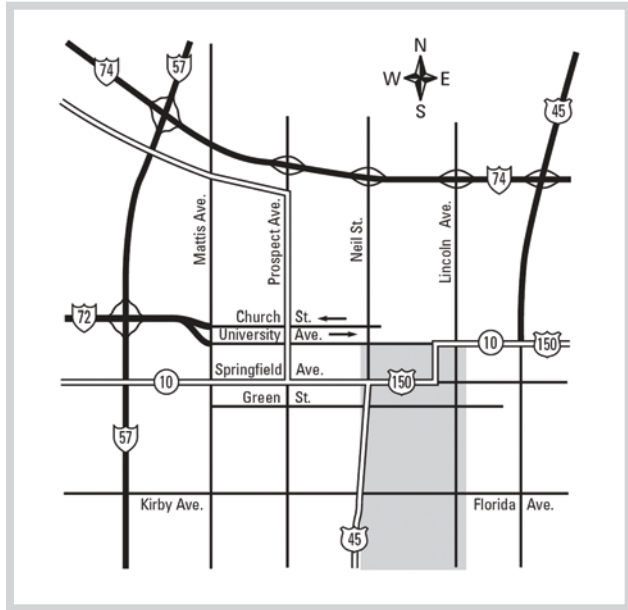
The ExplorACES Steering Committee extends a special thank you to...

Robert Easter, College of ACES Dean
Charles Olson, Assistant Dean
F. William Simmons, Assistant Dean
Kathryn Martensen, Assistant Dean
Jesse Thompson, Assistant Dean
Laurie Kramer, Associate Dean
Andrea Bohn, Assistant Dean
Darren Gentzler
Meghan Hazen, Division of General Studies
Daniel Korte, Website design
Maralee Johnson, Illinois Beef Association
Colleen Callahan, Fighting Illini Pork Club
Terry Moros, Frito Lay
Laura Brisske, Kraft
Tina Veal, ACES Sound System
Jeremy Robinett
Fred Kolb
Diane Noland
Sharon Conatser
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Bruce Branham
Robert Hughes
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Jenny Neef
Krista Sunderland
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RSO Organizations
Engineering Open House Steering Committee
ACES Alumni Association
ACES Student Advancement Committee
ACES Career Services
ACES Student Council

Shuttle route and parking

Free parking will be available on both Friday and Saturday in Lot E-14, just west of the Assembly Hall and free shuttle buses will make a continuous loop from the parking lot to Engineering Open House and ExplorACES. On Saturday only, visitors may use the parking facility located at the corner of Dorner Drive and Gregory Drive. (On Friday parking in that facility is for permit holders only, all others will be ticketed or towed).



The ExplorACES steering committee would like to thank the ACES pACESetter Partners who have contributed both monetary and in-kind gifts to the College of ACES.

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