

The **ACES** Academy for Global Engagement

Encouraging faculty to pursue international activities while strengthening relationships with institutional partners around the world.



ILLINOIS

ACES

College of Agricultural,
Consumer and
Environmental Sciences

ACES ACADEMY FOR GLOBAL ENGAGEMENT

The ACES Academy for Global Engagement—Global Academy—is a unique training program designed for junior and midcareer faculty in the College of ACES. Admitted faculty participate in a series of scholarly and experiential activities designed to prepare them for lifelong engagement in the global arena. In particular, the program exposes faculty members to resources available on and outside campus that enable and support international engagement. The program encourages the development of international programs within faculty disciplines and across the college. Through a capstone international immersion experience, the Global Academy facilitates and promotes strategic relationships with institutions around the world and raises the international status of ACES.

Curriculum

Participating in the Global Academy requires an academic-year commitment to the program. Monthly meetings focus on global opportunities at the college, campus, and national levels, and the year culminates with an international immersion experience.

The Office of International Programs covers all basic costs associated with the Global Academy, with the expectation that each scholar will participate in all sponsored activities. The activities are designed to minimize interference with normal work duties and personal time.



The Global Academy's themes, locations, and provisional goals change each year. These details are communicated in advance so that potential participants can apply to a program that best aligns with their research, teaching, or outreach career objectives.

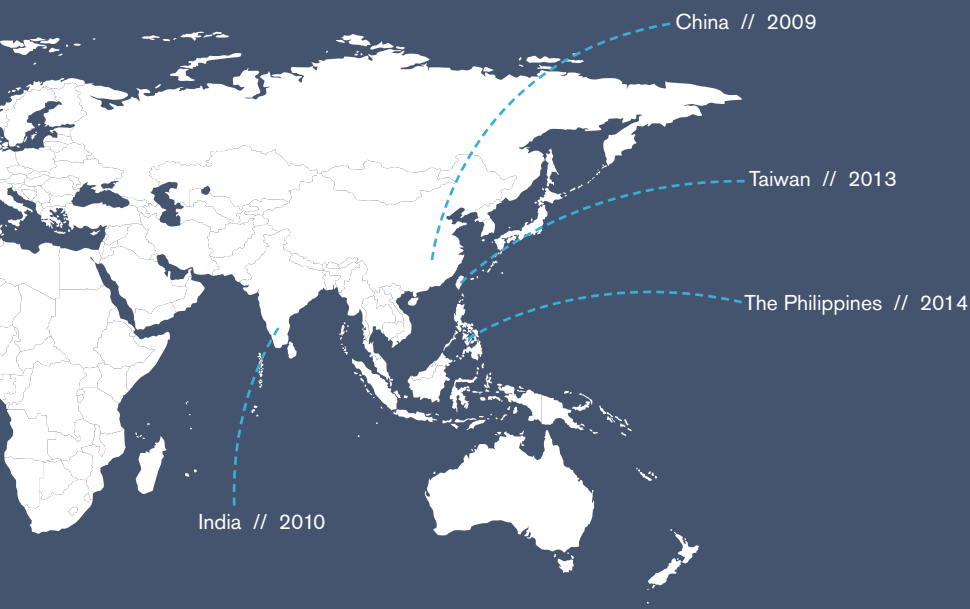
Admission and Expectations

The application process begins in the summer for the coming year's program.

Each scholar is nominated by her or his department head and invited to formally apply to the program. The cohort is then selected on the basis of application materials and informal interviews. Scholars are not expected to already have significant global experience, but a desire to gain such experience is a crucial criterion for admission.

Each cohort is balanced in terms of rank, scholarly interests, and commitment to the Global Academy's instructional, research, and outreach missions.

Upon completing the program, scholars are encouraged to play an active role in the continuing development of the Global Academy by serving as fellows. For example, depending on their expertise and existing collaborations, fellows may be asked to mentor new participants, participate in another immersion program, or serve in other capacities.



CAPSTONE IMMERSION EXPERIENCE

Since 2006, the ACES Global Academy has visited institutions around the world as part of its capstone immersion experience. The goal of these trips is to build new partnerships, strengthen existing institutional ties, and identify avenues for new collaborations. The Global Academy scholars serve as ambassadors for the college, demonstrating ACES' research capacity and academic expertise. As a direct result of Global Academy immersion trips, scholars have established extensive research collaborations in the numerous countries visited.

The Philippines: Climate Change and Food Systems Resilience



The 2014 Global Academy built on existing partnerships with the International Rice Research Institute (IRRI) and the University of The Philippines, Los Baños.

- Dr. Patrick Brown, Crop Sciences
- Dr. Benjamin Crost, Agricultural and Consumer Sciences
- Dr. Paul Davidson, Agricultural and Biological Engineering
- Dr. Erik Sacks, Crop Sciences
- Mr. N. Dennis Bowman, University of Illinois Extension
- Dr. Nathan Schroeder, Crop Sciences
- Dr. Pawan Singh Takhar, Food Science and Human Nutrition
- Dr. Lulu Rodriguez, Natural Resources and Environmental Sciences

"The ACES Global Academy will have a long-term impact on my professional career. Since the immersion trip, I have already been invited back to the University of The Philippines, Los Baños to teach a short course, and I am in discussions with the International Rice Research Institute to combine my group's mathematical modeling expertise with their experimental expertise to study textural changes in rice during cooking."

— **Dr. Pawan Singh Takhar**, Food Science and Human Nutrition

Taiwan: Biodiversity, Energy, and the Environment



In 2013 the Global Academy traveled to Taiwan to strengthen ACES' strategic partnership with National Taiwan University (NTU).

- Dr. Young-Su Jin, Food Science and Human Nutrition
- Dr. DoKyoung Lee, Crop Sciences
- Dr. Jeffrey Matthews, Natural Resources and Environmental Sciences
- Dr. Alfred Roca, Animal Sciences
- Dr. K.C. Ting (Senior Fellow), Agricultural and Biological Engineering
- Mr. Gary Letterly, University of Illinois Extension

"As a result of the ACES Global Academy, I created a professional and social network with staff, students, and alums from National Taiwan University and have several sustained and emerging collaborations. The experiences from the academy also inspired me to develop and coordinate a tour of an American bioenergy/ cellulosic ethanol production facility for our international students so they could meet stakeholders."

— **Mr. Gary Letterly**, U of I Extension

Ghana: Food Security and Nutrition



The 2012 Global Academy established connections with colleagues at premier Ghanaian institutions of higher education—most notably University of Ghana-Legon and University for Development Studies (USD)—and in research institutes, government, development organizations, and local communities.

- Dr. Juan Andrade, Food Science and Human Nutrition
- Ms. Jan Brooks, Human Development and Family Studies
- Dr. Mary Grace Danao, Agricultural and Biological Engineering
- Dr. Barrett Kirwan, Agricultural and Consumer Economics
- Dr. Hans Stein, Animal Sciences

“The ACES Global Academy provided an outstanding experience for me to engage with university faculty in Ghana and learn about governmental and non-governmental funding agencies, both at home and abroad. The experience has truly impacted my efforts to work toward food, health, and family security at home, across the African continent, and worldwide.”

— **Ms. Jan Brooks**, *Human Development and Family Studies*

India: Food Value Chain



In 2010 the Global Academy visited several partner institutions in India, including the Indian Council for Agricultural Research, G.B. Pant University, and Banaras Hindu University; and scholars forged relationships with professionals at multiple links in India's food chain.

- Dr. James Anderson, Human Development and Family Studies
- Dr. Mary Arends-Kuenning, Agricultural and Consumer Economics
- Dr. Richard Cooke, Agricultural and Biological Engineering
- Dr. Hao Feng, Food Science and Human Nutrition
- Dr. Aaron Hager, Crop Sciences
- Dr. Mindy Mallory, Agricultural and Consumer Economics
- Dr. Michelle Wander, Natural Resources and Environmental Sciences

“Prior to participating in the ACES Global Academy, I did not have an international component to my research portfolio, so the professional development activities were useful to me. The opportunity to go to India was a highlight, of course, because I wanted to learn about their commodity markets. Meeting key academicians and industry professionals provided invaluable perspective that has guided my research efforts ever since.”

— **Dr. Mindy Mallory**, *Agricultural and Consumer Economics*

China: Food Security



The 2009 Global Academy built networks with universities and other partners immersed in China's fast-growing economy.

- Dr. Kathy Baylis, Agricultural and Consumer Economics
- Dr. Lee Beverly, Animal Sciences
- Dr. Kaustubh Bhalerao, Agricultural and Biological Engineering
- Mr. Robert Dunker, Crop Sciences
- Dr. Craig Gundersen, Agricultural and Consumer Economics
- Dr. Manfredo Seufferheld, Natural Resources and Environmental Sciences

"When we visited China's Jilin Province as part of the ACES Global Academy, I saw their productive soils were well adapted for growing corn and soybeans, similar to the Midwest, and learned their faculty and researchers had the same questions I did about production systems. This experience resulted in an ongoing collaboration to study production methods and introduce precision technology into China's agricultural systems. We have since received funding from the government of China, Jilin University, John Deere, and Monsanto and have expanded our work to include Argentina, Brazil, and Colombia."

— **Mr. Robert Dunker**, Crop Sciences

Brazil: Exploring the Bioenergy Network



The 2008 Global Academy toured the state of Matto Grosso in Brazil and made lasting connections with the prestigious Escola Superios de Agricultura Luiz de Queiroz and EMBRAPA, the research arm of the Brazilian government.

- Dr. Nicki Engeseth, Food Science and Human Nutrition
- Dr. Miguel Gomez, Agricultural and Consumer Economics
- Dr. Angela Kent, Natural Resources and Environmental Sciences
- Dr. Kris Lambert, Crop Sciences
- Dr. David Miller, Animal Sciences
- Dr. Michelle Norris, University of Illinois Extension
- Dr. Kent Rausch, Agricultural and Biological Engineering

“The ACES Global Academy helped me gain perspectives on how research is conducted at other institutions, and I saw firsthand what happens at a Brazilian ethanol processing facility. The program also helped me understand how tropical regions and developing nations are addressing policy issues relating to biofuels, crop production, and the environment.

— **Dr. Kent Rausch**, *Agricultural and Biological Engineering*

European Union: Developing Bioenergy Curriculum



In 2007 the Global Academy visited The Netherlands, Belgium, and France to learn from their advanced bioenergy priorities, with the goal of furthering ACES bioenergy curriculums.

- Dr. Martin Bohn, Crop Sciences
- Dr. George Czapar, University of Illinois Extension
- Dr. Bryan Endres, Agricultural and Consumer Economics
- Dr. John Killefer, Animal Sciences
- Dr. Neil Knobloch, Human Development and Family Studies
- Dr. Graciela Padua, Food Science and Human Nutrition
- Dr. Vijay Singh, Agricultural and Biological Engineering

“The ACES Global Academy was a unique experience that helped me develop international partnerships and created new opportunities for my research, teaching, and extension programs. After becoming familiar with resources and funding opportunities, I secured international grants from the USDA and the Worldwide University Network; I also was part of a larger European Union Center of Excellence grant and have developed programs with Zhejiang University in China and the UK’s University of Leeds. As a result of this international experience, I received a Fulbright Specialist award to work with the University of Buenos Aires Faculty of Agriculture.”

— **Dr. George Czapar**, U of I Extension

Mexico: Exploring Natural Interventions for Diabetes



The 2006 inaugural ACES Global Academy visited two Mexican universities to initiate joint ventures to study the problem of diabetes in the Mexican population.

- Dr. German Bollero, Crop Sciences
- Dr. Karen Chapman-Novakofski, Food Science and Human Nutrition
- Dr. Robert Knox, Animal Sciences
- Dr. Urvi Neelakantan, Agricultural and Biological Engineering
- Dr. Ryan Stewart, Natural Resources and Environmental Sciences
- Dr. Xinlei Wang, Agricultural and Biological Engineering
- Dr. Angela Wiley, Human Development and Family Studies

“Many opportunities for research and teaching have grown out of my experience in the ACES Global Academy. Since the immersion trip to Mexico, we have had ongoing collaborations, including hosting symposiums and hosting visiting scholars. My collaborations with the University of Guanajuato have resulted in publishing a chapter on aging and glycated end products for a book on the molecular basis of nutrition and aging published by Elsevier.”

— *Dr. Karen Chapman-Novakofski, Food Science and Human Nutrition*

The Academy for Global Engagement—Global Academy—is a program of the ACES Office of International Programs.

The Global Academy serves to:

- familiarize participants with campus-level and external resources that facilitate global engagement.
- create a team-building environment that allows members to meld interests and create synergies across departmental lines.
- nurture collaborations between ACES scholars and researchers based in institutions abroad.
- provide participants with a capstone international immersion experience, which in turn creates and strengthens strategic partnerships.
- promote lifelong engagement in the global arena.

Learn more about the Global Academy at go.illinois.edu/globalacademy.

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