AGR, CONSUMER, & ENV SCIENCES (ACES)

ACES Class Schedule (https://courses.illinois.edu/schedule/DEFAULT/DEFAULT/ACES)

Courses

ACES 101 Contemporary Issues in ACES  credit: 2 Hours.
Study of contemporary issues in the human, food and natural resource systems, and an overview of the role of the College of Agricultural, Consumer and Environmental Sciences and the University of Illinois in these systems. Required of and limited to new freshmen enrolled in the College of ACES.

ACES 102 Intro Sustainable Food Systems  credit: 3 Hours.
An objective approach towards critical systems thinking and towards collaborative analysis across multiple disciplines for the development, production, preparation, consumption, and utilization of food, feed, fiber and energy, while managing the disposal and reuse of byproducts, within complex socioeconomic, ecological and environmental systems. Students will be introduced to the fundamentals of modern crop, livestock, and other agricultural production systems, and consider the future challenges and opportunities in producing enough for a growing world population.

This course satisfies the General Education Criteria for: Nat Sci Tech - Life Sciences

ACES 179 History of Ag in IL Since 1860  credit: 3 Hours.
An introduction to the history of agriculture in the rural Midwest with an emphasis on Illinois based on an analysis of the attitudes of indigenous peoples, immigrants, farmers and agribusiness interests toward land, labor, crop selection and production, and technology. The course compares the regional characteristics of the rural Midwest to other U.S. regions, and explores factors that created the American “breadbasket,” a region recognized for the commodities, equipment and ideas that it exports to the world.

This course satisfies the General Education Criteria for: Humanities - Hist Phil
Cultural Studies - US Minority

ACES 199 Undergraduate Open Seminar  credit: 1 to 5 Hours.
Experimental course on a special topic in the College of Agricultural, Consumer and Environmental Sciences. Topic may not be repeated except in accordance with the Code. Approved for letter and S/U grading. May be repeated. No more than 12 hours may be counted toward graduation.

ACES 200 ACES Transfer Orientation  credit: 0 Hours.
Introduction to College of ACES and campus resources for students new to the College of ACES. Required of all off campus transfer students and optional for Inter College Transfer students. First eight weeks course. Approved for S/U grading only.

ACES 250 Introduction to Bioenergy  credit: 3 Hours.
Introductory undergraduate survey course of a wide range of bioenergy issues. Topics span the entire life cycle of biofuels from feedstock production to end-product utilization. Class participants will gain a general understanding of each topic presented and an appreciation for what progress has been made and the challenges that remain in enabling biofuels production and utilization to meet national goals.

ACES 293 International Internship  credit: 0 to 5 Hours.
Supervised learning experience designed for ACES students registering for an academic term abroad and/or for non-degree exchange students enrolling for an academic term at Illinois. The nature of the experience and the setting in which it takes place must be approved in advance by ACES faculty and by representative(s) of institutions/organizations/agencies that cooperate with the College of ACES in student exchange/study abroad programs. 0 to 3 undergraduate hours. Approved for both letter and S/U grading. May be repeated to a maximum of 10 hours. (Summer Session). Prerequisite: Written consent of ACES Study Abroad Office.

ACES 295 Undergrad Research or Thesis  credit: 1 to 4 Hours.
Individual research, special problems, thesis, development and/or design work under the supervision of an appropriate member of the faculty. May be repeated to a maximum of 12 hours. Students may register in more than one section per term. Prerequisite: GPA of 3.0 or above at the time the activity is arranged, and consent of instructor.

ACES 298 International Experience  credit: 1 to 9 Hours.
International experience in agricultural, consumer and environmental sciences related areas involving foreign travel and study without enrollment in another institution. Experience must be planned and approved in advance through consultation with a College of Agricultural, Consumer and Environmental Sciences faculty member. Additional fees may apply. See Class Schedule. Approved for both letter and S/U grading. May be repeated to a maximum of 9 hours. Not open to students on probation. Prerequisite: Written consent of ACES Study Abroad Office.

ACES 299 ACES Study Abroad  credit: 0 to 18 Hours.
Provides campus credit in the College of Agricultural, Consumer and Environmental Sciences for study at accredited foreign institutions. Final determination of credit granted is made upon the student’s successful completion of work. Approved for both letter and S/U grading. May be repeated to a maximum of 36 hours within one calendar year. 0 to 8 undergraduate hours for Summer session only. Prerequisite: Consent of major department, college, and Study Abroad Office.

ACES 396 UG Honors Research or Thesis  credit: 1 to 4 Hours.
Undergraduate research, bachelor's thesis, and/or design work under the direction of a faculty mentor, culminating in the writing of a research abstract and presentation of a display poster at an approved event such as ExplorACES, the Provost’s Undergraduate Research Symposium, and/or an external professional/scientific meeting. May be repeated in separate terms to a maximum of 12 hours. No more than 12 hours of special problems, research, thesis and/or individual studies may be counted toward a degree. Prerequisite: Junior or senior standing, cumulative GPA of 3.4 or above, enrollment in the ACES James Scholar Honors Program, and consent of instructor.

ACES 399 Honors Seminar  credit: 1 Hour.
Designed to promote exposure to, and subsequent critical reflection about a variety of topics relevant to ACES James Scholars. Feature presentations by faculty members on topics of current interest in the agricultural, consumer and environmental sciences. Students engage in the topics by responding to faculty members’ presentations through classroom activities, lab tours, stimulating debates, and lively discussions. The writing of a seminar paper rounds out the course. Prerequisite: James Scholars enrolled in the College of ACES with preference given to those with junior or senior standing.
ACES 409  Bioenergy Systems  credit: 3 Hours.
Introductory survey course in bioenergy systems. Focus on plants, soils and bioenergy feedstocks; bioenergy production, processing and use; agricultural, environmental, economic and legal aspects of the bioenergy life cycle; tools and methods. 3 undergraduate hours. 3 graduate hours. Credit is not given for both ACES 409 and ACES 509.

ACES 499  Interdisciplinary ACES Seminar  credit: 1 to 4 Hours.
Platform for experimental courses on special interdisciplinary topics within the agricultural, consumer and environmental sciences. Designed to provide upper-level undergraduates and graduate students with access to subject offerings of new and developing areas of knowledge across the ACES curricula. 1 to 4 undergraduate hours. 1 to 4 graduate hours. Approved for both letter and S/U grading. May be repeated to a maximum of 8 hours in the same term and 12 hours in separate terms if topics vary.

ACES 501  Advanced Bioenergy Topics  credit: 2 Hours.
Seminar in Advanced Bioenergy Topics presented by experts in the field.

ACES 509  Advanced Bioenergy Systems  credit: 3 Hours.
Introductory survey course in bioenergy systems. Focus on plants, soils and bioenergy feedstocks; bioenergy production, processing and use; agricultural, environmental, economic and legal aspect of the bioenergy life cycle; tools and methods. Students design and execute a research project that identifies pathways to improve the existing bioenergy system from at least two of the course topics from different disciplines. Credit is not given for both ACES 509 and ACES 409.