

Undergraduate Education

The College of Agricultural Sciences will provide undergraduate degrees in Agricultural Business, Agricultural Economics, Agricultural Education, Animal Sciences, Equine Sciences, Horticulture, Landscape Architecture, Landscape Horticulture, and Soil and Crop Sciences. Programs in Animal Sciences and Equine Sciences have been renovated recently to expand learning opportunities in agribusiness, economics, business, and communications. The program in Agricultural Education recently has been renovated to create greater learning opportunities in the agricultural sciences. New concentrations in Viticulture/Enology and Landscape Business have recently been added as well as a new degree program in Organic Agriculture. For all undergraduate degree programs additional emphasis is being placed on: 1) experiential learning in out-of-class settings, such as internships, service learning, international study, and special projects, allowing knowledge to be put to work in real-life situations, 2) international study to broaden the perspective of students to the world marketplace and to international influences on the domestic environment, 3) advising to provide long-term academic planning to improve capabilities of students to participate in the largest number of learning experiences possible and graduate in four years, 4) public service to instill values of service and community responsibility, and 5) leadership development. The strategic goal is to attract 1,600 undergraduate majors. Growth of the undergraduate student body will require additional emphasis on recruiting activity, including: a) regional socials within Colorado's regions in conjunction with high school agriculture teachers, extension agents, and alumni, b) direct relationships with community and junior colleges with agricultural programs, c) creating ways to enhance short-term enrollment in upper division courses, e.g., the agribusiness concentration for Colorado State University-Pueblo business majors, d) national advertising of nationally recognized majors, e) involvement in national conventions (FFA, AFA, MANRRS) and national judging and showing events, f) developing scholarships directed toward recruitment, and g) engaging College Ambassadors in calling admitted students and inviting them for campus visits.

Graduate Education

The College of Agricultural Sciences will provide graduate degrees in Agricultural and Resource Economics (MS and PhD), Animals Sciences (MS and PhD), Equine Science (Master of Agriculture), Integrated Resource Management (Master of Agriculture), Extension Education (Master of Agriculture), Horticulture (MS and PhD), Entomology (MS and PhD), Plant Pathology and Weed Science (MS and PhD), and Soil and Crop Science (MS and PhD). For all graduate degree programs, additional emphasis will be placed on 1) experiential learning in professional activities appropriate to the sciences of study, 2) exposure to disciplines outside the major, and 3) publication of research results. The strategic goal is to attract a graduate student body of 400 including 100 Master of Agriculture, 150 Master of Science, and 150 PhD students. Special emphasis and creativity will be required to recruit toward and finance this goal.

Research

The College of Agricultural Sciences will become responsible for the management of the Colorado Agricultural Experiment Station. College and Experiment Station research will focus on fundamental and applied science supporting the fourteen core topical themes. By the nature of the issues involved, researchers from many disciplines, across departments and colleges, will be engaged together in finding solutions to the most critical issues. Researchers will participate with other faculty on steering committees to find common ground for project and grant development. The most significant source of research resource growth will lie in competitive research grants, but interactions with corporate and producer group businesses also will be pursued in the spirit of partnership to provide scientifically-verified solutions to industry issues. The combination of competitive and industry grants is targeted at \$20 million annually. A pre-award service office has been initiated to assist faculty in obtaining grants. Off-campus field and laboratory research remains important for field testing sensitive to climate, altitude, and soil type differences. Where there is not a significant need for a scientist position to be located at the off-campus site, efforts will be made to concentrate research positions on campus with the greatest potential for interaction with other scientists and with the greatest access to scientific infrastructure.

Diversity

The College of Agricultural Sciences will enhance its focus and depth of results in diversity and inclusiveness with respect to serving diverse communities (students and citizens); training of students, staff and volunteers in cultural competency; and recruiting faculty, administrative professionals, and classified staff to achieve "meaningful representation" of underrepresented groups. Colorado is a diverse community in terms of age, culture, economic status, education, ethnicity, family status, gender, geographic location, learning style, life experiences, physical and mental ability, race, religion, sexual orientation, social

position, spiritual practice, and other qualities of life, preference, and situation. Colorado State University is committed to equal opportunity and access to all programs of teaching, research, and outreach by keeping programs open to all regardless of these differences. Colorado State University is a public institution receiving funds from a treasury to which all segments of society contribute and deserve to receive the benefits and employment opportunities offered by the College of Agricultural Sciences and Outreach Agencies. Agribusiness employers seek culturally competent college graduates to manage a workforce which is itself diverse. Colorado State University is committed to encourage and offer opportunities for students and public clientele groups to gain multi-cultural awareness and opportunity through club experiences, internships, service learning, international travel, and language and other learning activities. Colorado State University will prepare outreach materials in Spanish language editions to maximize access to learning materials and will enhance the number of Extension positions with people of bilingual capability where appropriate. The College of Agricultural Sciences will interact with secondary and community college institutions of learning to build career awareness and move toward recruiting students from those institutions with historically high enrollments of students from minority populations. The College of Agricultural Sciences consists of five departments, the smallest in the land grant system. Many of the disciplines attractive to minority students interested in agriculture at other universities are not in the college at Colorado State, like food science and agricultural journalism. Agriculture remains an area characterized by low minority enrollments across the nation and will likely remain so. The College of Agricultural Sciences will seek to expose students to professionals of non-majority races and gender through seminar presentations, involvement in learning activities, and active faculty and staff searches.

International Experience and Exposure

All people live and work in a global community in which each individual is either directly or indirectly affected by international events. A university is a place of knowledge where students and the public obtain knowledge, experience, and perspective relevant to their work and citizenship. Universities also have a history of providing international research, technical assistance, and educational experiences for students (domestic and international), faculty, and citizens. The federal government has taken a 15-year hiatus in support of university international agricultural programs, but the need for international education is greater today than at any time in the past. The College of Agricultural Sciences and the Outreach Agencies will provide: a) faculty experience abroad at scientific meetings, international sabbaticals, and purposeful travel, b) student exposure to international influences with faculty-led educational tours abroad, e.g., Peru, Africa, and Australia, and memberships in organizations to provide exposure in Colorado to international business professionals, e.g., meetings of the International Committee of the National Western Stock Show, the Meat Export Federation, the Colorado World Trade Center, Swift & Company, and others, c) student study abroad experiences, e.g., New Zealand semester at Lincoln University, France summer program at Ecole Supérieur d'Agricultur, Czech Republic semester at Mendel Agricultural University, and Mexico semester at Monterrey Tech., d) research experiences at international research centers and agricultural research centers and universities in other countries, e.g., research exchanges at Saratov University in Russia and the Agricultural Research Service of Brazil, e) graduate education for faculty of international institutions seeking to improve their faculty training, e.g., the Colegio de Post Graduados in Mexico, and f) involvement of current and retired faculty with international experience in the classroom. The goal of the College is to achieve 25 percent of graduates having had organized, purposeful, educational experience in another country within five years. This goal will require development of scholarships directed toward international travel experiences, four-year advising containing plans for off-campus experiences, and collaboration with the study-abroad office at Colorado State and with other universities initiating travel experiences.

Facilities

Colorado State University is committed to excellent facilities and information technology to enhance the professional quality and opportunity for faculty, students, and public clientele. Faculty and students will be provided with modern computer-based communication, management, and teaching tools, modern scientific equipment, and building facilities with modern offices, laboratories, field laboratories, and work spaces which make faculty competitive in attracting students and grant awards and provide a sense of pride in those associated with the university. The College of Agricultural Sciences will focus on renovation of the Animal Sciences Building, Shepardson building, the Plant Environmental Research Center (PERC) building and teaching gardens, the Gillette Museum of Arthropod Diversity and off-campus research centers.