

# Vision 2020 Strategic Plan Alignment – ACES

## Planning Framework

## Unit Goals, Metrics, and Timeline

## Current Strategies

## Major Accomplishments

## Aspirations

**Mission**

Improve humanity through modern agricultural research, education and extension.

**Vision**

ACES will be the premier college of agriculture in the southwestern United States and will be an engine for economic, intellectual and community development within the region

**Values**

The College of ACES embraces the following values:

- Rigorous academic standards and superior education enabled by unique student experience
- A diverse faculty, committed to transformative research and a contemporary curriculum
- Student preparation for a dynamic global environment
- Applied and fundamental agricultural research that meets the challenges of our times
- Funded research is a vehicle for student recruitment, retention and success
- Faculty involvement in service activity
- Service the citizens of New Mexico

**Goal 1 – ACES will lead technology and solutions development for grand challenges in food and fiber production**

Vision 2020 Goal Alignment:

- 1 Academics and Graduation
- 2 Internationalization
- 3 Research and Creative Activity
- 4 Economic Development and Community Engagement

- Tailor research, teaching, and extension programs to contemporary critical issues
- Established interdisciplinary management approaches
- Emphasize the connectivity of food science, food technology, value-added products and international relationships
- Communicate the full spectrum of research results and extension impacts to the public, governmental and scientific communities

- Recognized plant, soils, genetics programs
- Engaged extension team
- Response to pecan pest invasion in SE NM
- RIAPAP program
- Released improved crop varieties (chiles, onions, alfalfa, glandless cotton, hops)
- Developed chile harvest technology
- Supported NM wine industry
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- Research and extension for niche markets

- Realize comprehensive understanding of human food consumption – from the environment and the manner in which food is produced, to the health and economic outcomes that result
- Establish interdisciplinary and integrated management approaches
- Identify marketing opportunity for specific agricultural products

**Goal 2 – ACES will be a regional leader in water use and water conservation issues**

Vision 2020 Goal Alignment:

- 1 Academics and Graduation
- 2 Internationalization
- 3 Research and Creative Activity
- 4 Economic Development and Community Engagement

- A solid educational background equips young minds to formulate solutions to this complex issue – WRRRI and Water Science and Management programs
- ACES interdisciplinary research teams are active in water- and water-related agricultural research
- Active research and extension programs address water quality issues and identify efficient use of existing water, including impaired and municipal waste water

- Premier regional analytical instrumentation resources for water analysis
- Collaborations with natl. labs, agencies and industry in water research
- Microirrigation technology development
- Hydrologic, economic, and social value of aquifer recharge in acequia systems of Northern NM
- Developed drought-resistant turfgrass varieties
- Developed irrigation scheduling protocols that help producers save water

- Identify novel strategies to grow our current water research capability
- Regular departmental curricula updates that train students for careers in environmental science, natural resources management, and related disciplines
- Continued interaction with industry and stakeholders

**Goal 3 – ACES will be a driver for improved health among New Mexicans**

Vision 2020 Goal Alignment:

- 1 Academics and Graduation
- 2 Internationalization
- 3 Research and Creative Activity
- 4 Economic Development and Community Engagement

- Active research, teaching, and extension programs in contemporary family, consumer, and tourism issues that enhance the health and socioeconomic well-being of New Mexicans.
- Extension programs that address coping strategies, decision-making skills, communication skills, and consumer behavior
- Communicate the full spectrum of research results and extension impacts to the public, governmental and scientific communities

- Significant food safety training and interaction with NM producers
- Developed and produced effective food education training videos
- Provide financial/debt training
- Provide diabetes education and prevention programs
- Developed effective bedbug controls

- Relate family resource management skills to the citizens of New Mexico through extension activity
- Regular departmental curricula updates to improve student training for careers in human nutrition, food science, family science, child development, consumer science, clothing, textiles, and fashion merchandising, tourism management, hotel management, and restaurant and food service management

**Goal 4 – ACES will be a regional leader for environmental stewardship**

Vision 2020 Goal Alignment:

- 1 Academics and Graduation
- 2 Internationalization
- 3 Research and Creative Activity
- 4 Economic Development and Community Engagement

- Active research addresses: wildlife habitat, biodiversity, multiple uses of land, responsible utilization of natural resources, soil and food contamination, waste management, watershed, and erosion problems, assist land management agencies in developing standards land use and conservation, and the preparedness and response to natural disasters

- Established the Natural Resource Career Track Program
- Effective response to the Gold King Mine spill (Animas and San Juan rivers)
- Developed thinning practices that reduce forest fire danger

- Develop interdisciplinary and cross-unit synergy between ACES components that include academic departments, research centers, the USDA
- Utilize the Jornada Experimental Range and the USGS Fish and Wildlife Cooperative Research Unit
- Train natural resource students (graduate and undergraduate) to become future land managers

**Goal 5 - Increase the level of support for ACES from the citizens of New Mexico, governments, private corporations, foundations, and alumni**

Vision 2020 Goal Alignment:

- 2 Internationalization
- 4 Economic Development and Community Engagement
- 5 Resource stewardship

- Interaction with Mexican partners in agricultural research, extension, education and trade
- Cooperative ventures and coalition-building activities with stakeholders
- Systematic flexibility to leverage extramural research funding for the acquisition and retention of unique expertise within the College
- Utilize constituency groups to elicit assistance in the marketing and development of priority programs

- Extension activity links NMSU and the communities and citizens of New Mexico
- Significant interaction with foreign collaborators
- NM EDGE: comprehensive course of study to administrators, elected officials, and government staff best practices and theory to their management strategies
- Effective 4-H programs in all NM counties

- Expand and refine the College's legislative liaison initiative
- Develop alternative funding sources, personnel, organizations
- Increase cooperation and collaboration with industry
- Develop and implement a coordinated College recruitment and retention plan aimed at both traditional and nontraditional students.