

Goal IV: Discover, Share and Apply New Knowledge

The College's land-grant mission encourages truly creative research endeavors that result in the discovery of new knowledge. Further, we aspire to capitalize on the individual and collective achievement of our faculty by applying discoveries to the improvement of agriculture, industry, families, communities, and the natural environment. These pursuits will establish the College as a premier institution providing knowledge-based solutions.

Objectives

1. The College will aggressively pursue targeted strategies to increase extramural research funding from all sources, with particular emphasis on federal competitive funding.
2. The College will provide state-of-the-art facilities and equipment to increase our capacity for cutting-edge science.
3. The College will integrate discovery science and applied research and technology in teaching, technology transfer and outreach activities to solve problems and generate economic, societal, or environmental benefits at the state and national levels.
4. The College will attract highly qualified doctoral students and postdoctoral scholars.

Strategies

1. Identify and support targets of opportunity in research areas where cutting-edge science and critical mass exist to achieve national and international prominence.
2. Develop inter- and multi-disciplinary research teams, facilities and resources within the College, across the University and with other universities (including Kentucky State and other state universities).
3. Develop a process for compiling and reporting impacts of research.
4. Secure resources to enlist young scientists' contributions to the research program at the undergraduate and graduate levels.
5. Advocate resource and facility needs to a wide audience.

Key Indicators

By 2006 the College will have:

1. Increased federal competitive grant awards from 27 to 35 percent of the College's extramural funding portfolio.
2. Secured authorization to renovate research and service facilities or to construct a new building for research activity.
3. Increased the number of doctoral students supported by external funds by 10 percent.
4. Increased the number of postdoctoral scholars by 15 percent.
5. Increased the dollar value of external awards by 15 percent.