A Pipeline Model for Careers in Agriculture, Environment and Life Sciences

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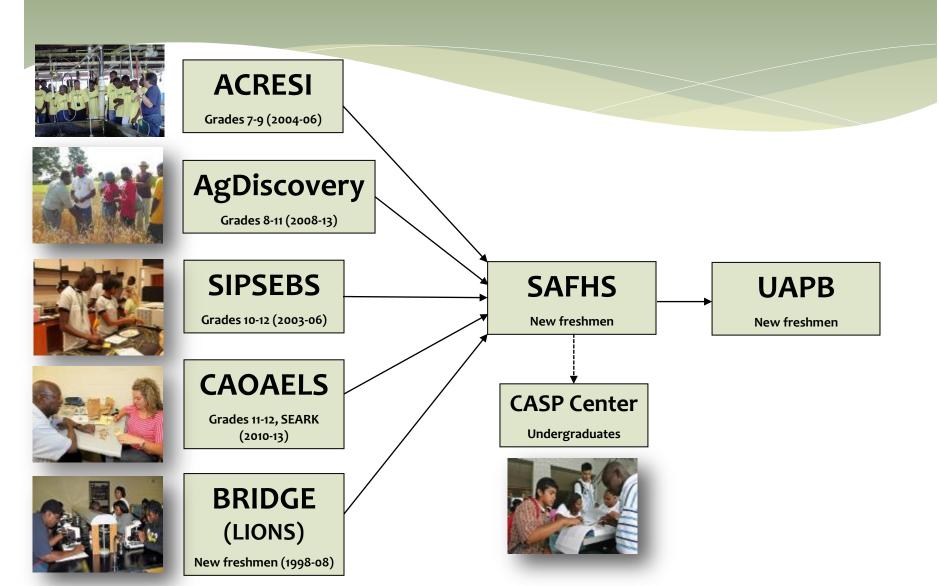


USDA/National Institute of Food and Agriculture 1890 Capacity Building Grant Program and USDA Animal and Plant Health Inspection Service

Objectives of the Pipeline

- Develop food, agriculture and natural resource career interests of middle school, high school and community college students.
- 2. Expand the pool of academically prepared and career knowledgeable students to major in SAFHS degree areas.
- 3. Provide experiential learning opportunities and summer internships for students to develop first-hand experience and knowledge of the food and agricultural sciences.
- 4. Strengthen and expand academic support for enrolled students.

Programs in the Pipeline Model



Agricultural Careers Research and Exploration Summer Institute (ACRESI)

- Students in grades 7-9
- One-week career cluster exploration and science education
- Residential environment for personal and social development
- 97 participants
- 38 enrolled at UAPB (39%)
 - * 12 enrolled in SAFHS (32%)



AgDiscovery

- Students ages 14-17, grades 8-11
- Two-week hands-on SCIENCE experiences in labs, workshops, field trips
- Residential program for personal and social development and team building activities
- Career exploration in animal science, veterinary medicine, agribusiness and plant pathology
- 73 participants
- 11 enrolled at UAPB
 - * 9 enrolled in SAFHS (82%)



Summer Internships in Plant, Soil, Environmental and Biotechnological Sciences (SIPSEBS)

- Grades 11-12 from Arkansas and neighboring states
- Six-week faculty-guided research internship in agricultural science
- Career exploration in plant, soil, environmental and biotechnological sciences
- 30 participants
- 24 enrolled at UAPB (80%)
 - * 6 enrolled in SAFHS (25%)



BRIDGing the Gap

- High school graduates, admitted freshmen
- Five-week transitions to college activities
- Developmental of college math and English credit
- Residential environment for personal and social development
- 147 participants
- 137 enrolled at UAPB
 - * 121 enrolled in SAFHS (82%)

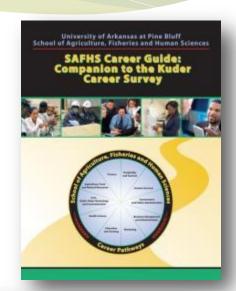






Career Awareness and Opportunities in Agriculture, Environment and Life Sciences

- Grade 12, high school graduates and SEARK enrolled
- High school tours of SAFHS
- SEARK/UAPB transfer articulations
- SAFHS Companion to the Kuder Career Survey
- 13 faculty mentored research internships
 - * 10 enrolled in SAFHS (77%)













Career Awareness and Opportunities in Agriculture, Environment and Life Sciences

- Arkansas Works Career coaches Program
- Science Enhancement at SEARK







Comprehensive Academic Support Program (CASP)

Support Programs

- Freshmen orientation courses
- Academic support activities for a successful transition to college and beyond
- Peer Tutoring
- Referrals to campus-wide support services
- Scholarship and internship information and applications
- SAFHS Navigators for recruitment activities







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Questions and Comments

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