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

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Objectives of the Pipeline

1. 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

- **ACRESI**
  Grades 7-9 (2004-06)

- **AgDiscovery**
  Grades 8-11 (2008-13)

- **SIPSEBS**
  Grades 10-12 (2003-06)

- **CAOAELS**
  Grades 11-12, SEARK (2010-13)

- **BRIDGE (LIONS)**
  New freshmen (1998-08)

- **SAFHS**
  New freshmen

- **UAPB**
  New freshmen

- **CASP Center**
  Undergraduates
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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