

**College of Agriculture and Human Ecology  
Annual Report 2013-14**

**I. Deliverables**

**a. Support, Innovation, and Improvement: Flight Plan**

**1. Improve the Undergraduate Experience**

<b>Priority</b>	<b>Action</b>	<b>Timing</b>	<b>Status</b>
Freshman Flight Path	HEC employed 3 UG students to assist in HEC SOAR Advising	Summer 2013	All HEC SOAR students were enrolled for FA 2014
	All CAHE faculty individually advise all AGRI and HEC students	SP/SU/FA 2013	Continues
	Child & Family Sciences Club received approval as a campus organization	FA 2013	In operation
	Child Life Club received approval as a campus organization.	SP 2013	In operation
	CAHE received funding for a Student Success Center Director	FA 2013	Interviewing in June 2014
	Dr. Anderson was PI with 2 dietetic students on research project "Raising Awareness of Health Behaviors in Female College Students".	SP 2014	results were presented at TN Academy of Nutrition & Dietetics annual poster session; and TTU Research day where students research award for College of Agriculture & Human Ecology.
	Dr. Pat Bagley & Dr. Teresa Ennis developed and led a Study Abroad trip to Peru and took 24 students.	SP 2014	Completed.
	Dr. Michael Best developed and led a travel course to the Czech Republic, Poland, Germany, France & Switzerland and a second study tour to Amsterdam.	AY 2013/14	Completed. Will repeat the Amsterdam study tour in SP 2015.

## 2. Transform Technology

Priority	Action	Timing	Status
Transform Technology	Received \$87,000 TAF grant in HEC to upgrade computer lab for housing and design students	AY 2013-14	Equipment & software purchased
	Purchased 3 iPads for HEC faculty	FA 2013	iPads in use
	Laptop carts used for SOAR	SU 2013	All SOAR students registered on-site using laptops

## 3. Create Distinctive Programs & Invigorate Faculty

Priority	Action	Timing	Status
Create Distinctive Programs & Invigorate Faculty	Dr. Lee Ann Shipley received certification as a Family Life Educator	FA 2013	CDFR students are eligible to sit for the CFLE certification exam.
	Completed TBR Program Audit of Agriculture	AY 13/14	Completed with 100% compliance
	Submitted Master's Degree in Human Ecology proposal to TBR	FA 2013	In process
	Created faculty load policy reducing semester class load to 9 credit hours to allow time for research	AY 13/14	In final stages
	Developed 15 new upper division and 3 new lower division courses to support new concentrations and accreditation & certification requirements	AY 13/14	ANS 3330 Anatomy & Physiology AGR4900 greenhouse construction ANS 4970 Livestock Marketing ATOU 3020 Agriculture & Heritage-based Tourism HEC 4900 Tartan Plaid Design HEC 4900 Multi-Channel Retailing HEC 3590 Child Life Clinical Prep HEC 4590 Child Life Clinical Exp ATOU 2100 Agritourism Development & Promotion ATOU 4100 Direct Marketing for Agriculture and Human Ecology HEC 2065 Families in Society HEC 3066 Family Violence

			<p>HEC 3660 Interpersonal Relationships  HEC 4065 Social Policy: Children &amp; Families  HEC 4630 Family Life Education  HEC 3290 Nutrition through the Life Cycle  HEC 1005 Introduction to Human Ecology  ATOU 4200 Sustainable Tourism as Economic &amp; Community Development</p>
	Preparing letter of intent for Master of Science in Sustainable Agriculture	AY 13/14	In process
	Provided summer pay for course development, curriculum planning, strategic planning, & gonfalon design	SU 2104	Work in progress
	Dr. Swafford serves as the PI of the TN Department of Education Family and Consumer Sciences grant.	AY 13/14	continuing
	Dr. Swafford is support staff on Healthy Start grant with Dr. Martha Howard.	AY 13/14	continuing
	. Dr. Swafford is support staff professor on Special Education Summer Institute grant with Dr. Helen Dainty.	AY 13/14	continuing
	Dr. Pat Bagley published <i>Tennessee Beef &amp; Forage Handbook</i> . C.P. Bagley & R.R. Evans. Editorial Assistance by Victoria Cass. 2014. 292 ppgs. Trademark Printing Co., Cookeville, TN. ISBN 978-0-615-78769-5	SP 2014	completed
	Dr. Lee Ann Shipley contributed content and developed ancillary materials for the textbook: <i>Development of Children and Adolescents</i> published by Wiley & Sons.	AY 13/14	completed
	Several faculty, staff & students were recognized for their contributions to teaching, research, and service.	AY 13/14	<ul style="list-style-type: none"> <li>• Dr. Jeff Plant received Honorable Mention in Who's Who in Academia 2013</li> <li>• Dr. Jim Baier was selected as Outstanding Faculty Member, School of Agriculture.</li> <li>• Dr. Stacy Tomas received the Quality Enhancement Program Award for Excellence in Innovative Instruction.</li> </ul>

			<ul style="list-style-type: none"> <li>• Dr. Bruce Green received the TTU Outstanding Teaching Award.</li> <li>• Mr. Rusty Chilcutt received the Outstanding Professional Award.</li> <li>• Dr. Pat Bagley received the TN Harold Love Award for Faculty/Staff.</li> <li>• Ms. Elissa McLaren received the TTU Derryberry Award.</li> <li>• Katie Dickson was elected Eastern Vice President for the National Delta Tau Alpha (Agricultural Honor Society).</li> <li>• Scott Bohannon was elected TNFFA Middle Region Vice President</li> <li>• Colton McClanahan was elected TN FFA Treasurer.</li> </ul>
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#### 4. Expand Financial Resources & Modernize Infrastructure

Priority	Action	Timing	Status
Expand Financial Resources & Modernize Infrastructure	SOHE staff serve as the principal investigator to two state grants: Tennessee Early Childhood Training Alliance, and Child Care Resource and Referral Agency.	2013	Fully functional for 2013 TECTA grant discontinued as of June 2014
	South Hall renovations are underway.	November 2013 – October 2014	
	CAHE received a new development officer in January, 2014.	ongoing	
	HEC established a 5-year development plan.	January 2014	In progress
	Faculty received grants to support research and best practice	AY13/14	<ul style="list-style-type: none"> <li>• \$5,000 – TTU QEP, Hunger in College Students</li> <li>• \$20,000 – General Mills Champions for Healthy Kids</li> <li>• \$3,000 – TTU Quality Enhancement Program, Quadrangle, Turfgrass Mgt.</li> <li>• \$3,000 – TTU Quality Enhancement Program, Quadrangle, Weed Science. (Focus Areas 1)</li> <li>• \$3,000 – TTU Faculty Research Grant, Economic Impact of Trunk Flare Excavation of Field Grown Nursery Trees</li> </ul>

			<ul style="list-style-type: none"> <li>• \$3,000 – High Tunnel and Field Production of Organic Cut Flowers</li> <li>• \$70,000 – Rotary, Travel- Abroad project to Dominican Republic</li> <li>• \$37,500 – Rotary and TTU, Travel-Abroad to Lima Peru</li> <li>• \$1,000 – TTU, IPAD as a teaching tool in Agricultural Education</li> <li>• \$4,750 – TTU Quality Enhancement Program, Seedstock Mechanization Team (Focus Areas 1, &amp; 3)</li> <li>• \$10,075 – TTU Faculty Grant, Broiler Rearing Methods</li> <li>• \$6,999 – US Poultry Foundation, Poultry Science Education Grant (Focus Areas 1 &amp; 3)</li> <li>• \$1,074 – TTU Faculty Research Grant, Brooding Strategy Effect on Chickens</li> <li>• \$82,343 – Tennessee Department of Agriculture, Compost Center for Tennessee Farmers</li> <li>• \$5,000 – TTU Faculty Research Grant, Role of Agritourism in Sustaining Family Farm</li> <li>• \$39,953 – Southern Risk Management Education Center, Cultivating Tennessee Agritourism Through Risk Management Education</li> <li>• \$18,500 - TN Department of Education Family and Consumer Sciences grant.</li> <li>• \$13,500 - Dr. Swafford is support staff on Healthy Start grant with Dr. Martha Howard.</li> <li>• \$55,539 - Dr. Melinda Swafford is support staff professor on Special Education Summer Institute grant with Dr. Helen Dainty.</li> <li>• \$330,043 – Tennessee Early Childhood Training Alliance grant</li> <li>• \$230,030 – Child Care Resource &amp; Referral grant</li> </ul>
	Dr. Jeff Plant implemented scaled 3D House Model building into the Residential Design I course based on employer demand and market trends.	AY 2013/14	Completed, but will continue
	Dr. Jeff Plant attended the CASE conference in Arizona to learn more about development practices and external fundraising.	FA 2013	Completed; working with Brandon Boyd on implementation of strategies

**b. Flight Plan Priority Actions**

<b>Priority</b>	<b>Action</b>	<b>Timing</b>	<b>Accomplishments</b>
Freshman Flight Path	Implement an early intervention first-year retention program for freshmen	SP 2014	<ul style="list-style-type: none"> <li>• Participated in the early intervention first year retention program</li> </ul>
Academic Advising	Establish a professional advising system that expands the number of professional advisors and supports faculty-student mentorship	ongoing	<ul style="list-style-type: none"> <li>• Secured funding for a Student Success Center Director</li> <li>• Continued one-on-one individual advising sessions with major faculty advisor</li> </ul>
High Demand Course Capacity	Identify high-demand courses and add additional capacity through hiring faculty and evaluating classroom space issues	ongoing	<ul style="list-style-type: none"> <li>• classroom usage is monitored for efficiency when courses are scheduled</li> <li>• additional adjunct faculty are utilized to make sure all courses are taught on schedule</li> <li>• expanded summer session offerings</li> </ul>
Technology Service to Students	Improve technology service to students by meeting student need for connectivity and support	AY 13/14	<ul style="list-style-type: none"> <li>• HEC received TAF grant of \$87,000 to upgrade computers and software in the housing &amp; design laboratory</li> <li>• TAF grant hardware and software purchases in process</li> <li>• Subscription contract with <i>Fashion Snoops</i> fashion forecasting service finalized</li> <li>• Textiles32 CAD software purchased; TTU tartan plaid designed</li> <li>• Conducted online juried tartan plaid competition to select TTU Tartan</li> <li>• Participating in “Tech Wall” initiative</li> </ul>
Technology Infrastructure & Innovation	Create an IT strategic plan to strengthen technology capabilities in infrastructure and services; establish a fund to promote innovation	Long-term	<ul style="list-style-type: none"> <li>• HEC 3305 Fashion Forecasting students uses Fashion Snoops, an online fashion forecasting service to create fashion forecast portfolios.</li> <li>• HEC 3310 Textiles I students use iTextiles, an online product of ATEXTILES, Inc., for their text, lab preparation, fabric identification and exam prep.</li> </ul>
Undergraduate Co-curricular Program	Redesign TTU’s undergraduate programs to emphasize co-curricular activity in order to better prepare students to solve real-world problems	AY 13/14	<ul style="list-style-type: none"> <li>• Re-established the CAHE Student Ambassadors</li> <li>• Established the Child &amp; Family Sciences Club</li> <li>• Established the Child Life Club</li> <li>• Conducted domestic study tours to Atlanta, Chicago, New York City</li> <li>• Conducted international study tours to Prague, Amsterdam, and Italy</li> <li>• Implemented 2<sup>nd</sup> Annual Agriculture Fall Festival with students</li> <li>• Organized and hosted the 2013 Southeastern Regional Collegiate Soil Judging</li> </ul>

			Contest (11 universities represented, 71 student participants).
Multidisciplinary Research Innovation	Establish IDEAS incubator to cultivate promising & distinctive research opportunities		<ul style="list-style-type: none"> <li>• SOHE is collaborating with the School of Nursing and Department of Exercise Science to present the first ever Case Study Symposium in fall 2014 for nursing, dietetic, and pre-health majors</li> </ul>
New Graduate Programs	Offer new graduate programs in high demand, distinctive areas		<ul style="list-style-type: none"> <li>• Submitted the MS in Human Ecology to TBR</li> <li>• MS in Sustainable Agriculture in preparation</li> <li>• Online Turf Grass Management concentration in the Professional Science MS degree in preparation</li> </ul>
Technology in Teaching			HEC
Enrollment, Tuition, & Scholarships	Evaluate undergraduate enrollment and tuition; improve use of scholarships	AY 13/14	<p>The Agriculture Foundation established the</p> <ul style="list-style-type: none"> <li>• Larry Click endowed scholarship in agriculture</li> <li>• BT Parham endowed scholarship in agriculture (in process)</li> </ul>
Physical Infrastructure Priorities			
Efficiency & Effectiveness			

c. Reports of Flight Plan's 10 Metrics

- 1. Undergraduate
  - a. ACT Scores

**ACT Composite Scores of First-Time Freshmen**

**Agriculture and Human Ecology\***

**Interquartile Range (Middle 50%)**

2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Fall
--	--	--	--	--	--	--	--	--	--	--	20	25th Percentile
--	--	--	--	--	--	--	--	--	--	--	24	75th Percentile

**Distribution**

2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Fall
--	--	--	--	--	--	--	--	--	--	--	7	<18
--	--	--	--	--	--	--	--	--	--	--	12	18-19
--	--	--	--	--	--	--	--	--	--	--	20	20-21
--	--	--	--	--	--	--	--	--	--	--	19	22-23
--	--	--	--	--	--	--	--	--	--	--	15	24-25
--	--	--	--	--	--	--	--	--	--	--	4	26-27
--	--	--	--	--	--	--	--	--	--	--	4	28-29
--	--	--	--	--	--	--	--	--	--	--	8	30+
--	--	--	--	--	--	--	--	--	--	--	89	ALL

**Median**

2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Fall
--	--	--	--	--	--	--	--	--	--	--	22	ALL




**Mean**

2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Fall
--	--	--	--	--	--	--	--	--	--	--	22.5	ALL

**Distribution Percentage**

2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Fall
--	--	--	--	--	--	--	--	--	--	--	8%	<18
--	--	--	--	--	--	--	--	--	--	--	13%	18-19
--	--	--	--	--	--	--	--	--	--	--	22%	20-21
--	--	--	--	--	--	--	--	--	--	--	21%	22-23
--	--	--	--	--	--	--	--	--	--	--	17%	24-25
--	--	--	--	--	--	--	--	--	--	--	4%	26-27
--	--	--	--	--	--	--	--	--	--	--	4%	28-29
--	--	--	--	--	--	--	--	--	--	--	9%	30+
											100%	ALL

 Score interval with the largest number and percentage of scores.

\* Prior to Fall 2013, Agriculture and Human Ecology was a part of Agricultural and Human Sciences.

**b. FTE Enrollment**

School	2009	2010	2011	2012	2013
Agriculture	267	307	323	328	326
Human Ecology	175	201	205	266	263
TOTAL	442	508	528	594	589

**c. Bachelor's Degrees**

Number of Degrees Awarded by Year (FA + SP + SU)

School	2008-09	2009-10	2010-11	2011-12	2012-13
Agriculture	44	48	55	60	57
Human Ecology	48	33	45	46	70
TOTAL	92	81	100	106	127

**d. Retention Rate**

Retention Rate Fall to Spring and Fall to Fall Retention of First Time Freshmen Cohorts

	2009	2009	2010	2010	2011	2011	2012	2012	2013	2013
	Fall - Spring%	Fall -Fall %	Fall – Spring %	Fall – Fall %	Fall-Spring %	Fall – Fall %	Fall – Spring %	Fall – Fall %	Fall – Spring %	Fall - Fall %
Agriculture	95.24	80.95	92.00	68.00	92.21	71.43	85.14	67.57	92.54	92.5
Human Ecology	93.10	75.86	95.00	80.00	100.00	73.33	92.59	70.37	88.46	88.5

**e. 6-year Graduation Rate**

6-Year Graduation Rates: 2004 – 2007 Cohorts

	2004	2005	2006	2007
Agriculture	35%	59%	57%	56%
Human Ecology*	47%	65%	64%	38%

\*The 2007 HEC cohort included a number of Head Start employees who were guaranteed tuition for completion of the BS degree. The tuition funding was withdrawn in 2011 which heavily impacted both enrollment and graduation rates.

**2. Graduate & Research**

- a. Doctoral Degrees (none)
  
- b. Masters Degrees (none)
  
- c. Research Expenditures per Faculty (Source: Delaware Study: 2012 National Study of Instructional Costs & Productivity)
  - Agriculture - \$8,749
  - Human Ecology - \$3,969

**3. Financial**

- a. Operating Expenditures per Student (Direct Instructional Cost per FTE Student. Source: Delaware Study: 2012 National Study of Instructional Costs & Productivity)
  - Agriculture - \$5,415
  - Human Ecology - \$3,489
  
- b. Endowment per Student

**II. Collaborative Efforts**

<b>Faculty Member</b>	<b>Activity</b>
Airhart, Branson, Fennewald, Conner	<ul style="list-style-type: none"><li>• Collaborated with area high schools and State FFA to hold CDE events in horticulture, land judging, poultry, &amp; ceremonies.</li></ul>
Airhart	<ul style="list-style-type: none"><li>• Collaborated with Tennessee Urban Forestry Council to edit and publish a newsletter. (4 editions)</li></ul>
Airhart, Branson, Baier, Fennewald, Greene & Tomas	<ul style="list-style-type: none"><li>• Collaborated with local Farm Bureau and local schools-to host annual Farm Days for first graders.</li></ul>
Bagley	<ul style="list-style-type: none"><li>• Collaborated with the University of Tennessee to guide a PhD student in Animal Science.</li></ul>

Baier	<ul style="list-style-type: none"> <li>• Collaborated with National Sweet Sorghum Producers and Processers Association to publish a quarterly newsletter</li> </ul>
Branson	<ul style="list-style-type: none"> <li>• Collaborated with Virginia Tech and West Virginia University, organized and hosted the 2013 Southeastern Regional Collegiate Soil Judging Contest.</li> </ul>
Conner	<ul style="list-style-type: none"> <li>• Collaborated with State FFA to coordinate the Ceremonies CDE at State FFA Convention.</li> </ul>
Shipley & Swafford	<ul style="list-style-type: none"> <li>• assisted the College of Education with the NCATE site visit during the 2013 academic year</li> </ul>
Shipley	<ul style="list-style-type: none"> <li>• served as a Family &amp; Consumer Sciences Educational Consultant – TN Department of Education Career-Technical Division</li> <li>• served on the Putnam County Pre-K Advisory Board, TECTA Advisory Board, LBJ&amp; C Advisory Board and the Putnam County Community Partnership Board</li> </ul>
Swafford	<ul style="list-style-type: none"> <li>• collaborated with College of Education to implement TK20 requirements in all HEC FACS Education courses</li> <li>• coordinated and provided the first regional Family and Consumer Sciences workshop for TN FACS Education teachers, held at TTU in June 2013</li> <li>• consultant for Healthy Start for Upper Cumberland Families, administered through the Stephens Center</li> <li>• coordinates and oversees all dual credit coursework with area high school Family and Consumer Science programs</li> <li>• Executive Board member of the Putnam County Rural Health Clinic, and is a Domestic Arts and Baked Items judge at 3 county fairs.</li> <li>• is the HEC liaison to the Family Career, and Community Leaders of America (FCCLA) annual competition event held at TTU each March</li> </ul>
Sisk	<ul style="list-style-type: none"> <li>• collaborated with Nursing Faculty member Jenny Maffet in a QEP Interdisciplinary simulation project</li> <li>• marketed HEC Child Life program to area pediatric hospitals as potential internship placements sites: Erlanger, St. Jude’s, LeBonheur, and Huntsville, AL.</li> <li>• coordinated child life specialist students to participate in STEM Center “Fab Friday” events</li> <li>• collaborated with Genesis House to provide student volunteers to teach intervention strategies to participants.</li> </ul>
Hutson	collaborated with Kaitlin Salyer , TTU Food Pantry, to develop and provide nutrition education materials for food pantry users
Anderson	<ul style="list-style-type: none"> <li>• served on two search committees with the Department of Athletics and one search committee for EXPW.</li> <li>• completed the 2-year USDA grant, Food Safety in Agriculture – Co-PI with Dr. Janice Branson – School of Agriculture.</li> <li>• coordinated dietetic students to participate in STEM Center “Fab Friday” and “Safari Saturday” events</li> <li>• submitted a joint proposal with Athletics to establish the creation of a Sports Dietitian position</li> </ul>
Mullens	Collaborated with Uplands Village to develop a master plan for onsite, offsite, and distance education
Plant	Collaborated with Cookeville Housing Authority to redesign a “Teens Need Training” space involving students from his Residential Design I class who developed the new floor plans for this facility

