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## Educational Policies Committee Program Proposal, College of Agriculture and Applied Sciences, April 7, 2011

Utah State University

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**Request to Create the  
School of Applied Sciences, Technology and Education  
Within the College of Agriculture  
At Utah State University**

**Section I: The Request**

Utah State University (USU) requests approval for an administrative restructuring that will create a School of Applied Sciences, Technology, and Education within the College of Agriculture. The proposed school will provide an administrative structure for oversight of the USU Agricultural Systems Technology and Education department and two units at Utah State University – College of Eastern Utah (USU-CEU), specifically the Professional and Technical Education division and the Workforce Education division. This action will bring programs with missions related to applied sciences, technology, and education into one unit, creating a structure which will more effectively advance K-20 educational opportunities for students. This action will also provide an appropriate structure to support similar mission-oriented programs that exist throughout Utah State University. Upon approval, the proposed organizational structure will be established Fall Semester, 2011.

The Professional and Technical Education division at USU-CEU in Price and Blanding, UT provides a comprehensive set of programs that offer Certificates (CERT), Associate of Applied Science degrees (AAS) and Associate of Science degrees (AS). These educational programs include: Accounting (CERT), Electrical Apprenticeship (CERT), Automotive Technology (CERT, AAS), Building Construction and Construction Management (CERT), Business (AS), Business Administration (AAS), Business Management Information Systems (CERT, AAS, AS), Cosmetology / Barbering (CERT, AAS), Diesel Equipment Technology (AAS), Engineering Drafting and Design Technology (CERT), Electronics (CERT), Heavy Equipment and Trucking (CERT), Machine Tool Technology (CERT), Pre-Engineering (AS), Professional Medical Coding (CERT), Welding (CERT, AAS).

The Workforce Education program at USU-CEU offers non-credit programs through local agencies (i.e. Workforce Services), businesses, and industries (e.g. mining), and local school districts, with short and long term certificate training as program outcomes. The Workforce Education program provides the local community with a nimble and responsive resource for meeting targeted workforce training needs.

The Agricultural Systems Technology and Education (ASTE) department on the USU Logan campus offers Bachelor of Science (BS) degrees in Agricultural Education and Family and Consumer Sciences Education, which prepare students for licensure in secondary education, as well as BS degrees in Agricultural Communications and Journalism and in Agricultural Systems Technology. The department also provides career training for agricultural machinery technicians at the Certificate (CERT) and Associate of Applied Science (AAS) levels. At the graduate level, the department offers a Master of Science (MS) degree focused primarily on formal and non-formal educational program delivery. In addition, the ASTE department participates in the interdisciplinary Curriculum and Instruction PhD program offered through the **Emma Eccles Jones** College of Education and Human Services.

The proposed School of Applied Sciences, Technology and Education will provide a singular administrative unit that combines programs on the USU Logan Campus that focus upon technical education and teacher training with the career and technical programs at USU-CEU. This combination of knowledge, skills, and abilities allows Utah State University to offer cohesive and coordinated programs that will prepare students for short-term high wage, high demand jobs in career and technical fields while also providing related

undergraduate and graduate degree opportunities, including the training and licensure of teachers for career and technical programs.

## Section II: Need

The rationale for creating the School of Applied Sciences, Technology and Education includes the following goals:

**To provide an administrative structure for linking the Professional and Technical Education and Workforce Education divisions at USU-CEU to an academic unit on the USU Logan campus.** The USU College of Agriculture provides a logical academic home for the USU-CEU Professional and Technical Education and Workforce Education programs. At this time, the College of Agriculture is the only college at USU that offers Certificate and Associate of Applied Science degree programs in career and technical areas. Therefore, the college has extensive experience with the administration and objectives of career and technical programs. The Dean of the College of Agriculture also serves as the Vice President for USU Extension, which has established outreach programs throughout the state, providing non-credit education in several content areas. In addition, the Department Head of ASTE also serves as the Career and Technical Education director for Utah State University. These strengths and expertise within the College of Agriculture will be used to create an inclusive home for the wide variety of programs related to the applied sciences, technology and education.

**To connect teacher educators in career and technical education fields (i.e. agricultural education and family and consumer sciences education) with field based programs.** The proposed School of Applied Sciences, Technology and Education will elevate the stature of teacher education for career and technical education opportunities within the USU system.

**To advance interdisciplinary applied sciences, technology and education external funding proposals and research.** The emphases within the proposed school have applicability to science, technology, engineering and math (STEM) initiatives, as well as career and technical education funding opportunities. Both areas have increasing activity at the federal and state levels.

**To fully utilize the applied technology assets found at USU-CEU and to solidify the bond between both institutions.** The School of Applied Sciences, Technology and Education will provide students with a broad array of educational options, including short-term certificates, applied degrees, and advanced degrees in applied sciences and technology education.

**To develop additional delivery methods and interactive centers for CTE and allied education programs.** Students throughout the state who want to access certificate and degree training opportunities will now have access to an extensive array of distance education opportunities originating from all USU campus locations, including EdNet, online and blended distance-delivery offerings.

## Section III: Institutional Impact

**Enrollments:** The proposed restructuring will not affect current enrollments. Increasing efficiency and a mainstream organizational structure may result in increased enrollments and development of new programs as needs arise.

**Administrative Structure:** This proposal outlines the creation of an administrative unit named the School of Applied Sciences, Technology and Education. A person carrying the title of Department Head will provide direct oversight of the current Agricultural Systems, Technology and Education Department, including its programs and faculty. This individual will also carry the title of Assistant Dean for Applied Sciences, Technology and Education within the College of Agriculture. This role will include the oversight responsibilities for the Professional and Technical Education Division at USU-CEU, the Workforce Education Division at USU-CEU, and the Career and Technical Education Director responsibilities for the USU Logan campus. The attached organizational chart is a graphical representation of the administrative relationships.

**Facilities:** No new physical facilities or equipment are required. Faculty and staff in the proposed School are located at the Logan, Price and Blanding campuses. Faculty with a shared professional interest will be located in proximity to one another whenever possible.

**Faculty:** The number of faculty and professional staff will not change. The three existing senior faculty who assume the roles of Program Chairs (see organizational chart) will have role statements that include administrative assignments. The faculty staffing numbers are as follows:

|                         | ASTE Department | PTE Division | Workforce Ed Division   |
|-------------------------|-----------------|--------------|---|
| Tenured/track faculty   | 9               | 21           | 1   |
| Lecturers               | 4               |              | 10 Full-time<br>5 Part-time, ongoing<br>21 Part-time, on-demand |
| Advisors                | 1               |              |   |
| Total full-time faculty | 14              | 21           | 11  |

#### Section IV: Finances

**Costs Anticipated:**

Interactive Video Conferencing (IVC) will be necessary to allow for administrators, faculty and students at the Logan, Blanding and Price sites to conduct administrative discussions, faculty meetings, and small group meetings. There are also plans for undergraduate and graduate course organization and instruction within the School in the near future that may require interactive video conferencing capability. In addition, a small on-going operating budget is needed to assist with faculty development and travel for connecting faculty and administrators within the School of Applied Sciences, Technology and Education.

**Budgetary Impact:**

Funding to support the proposed School will be provided using funds from within the USU system.