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Educational Policies Committee Program Proposal, College of Agriculture and Applied Sciences, April 1, 2016 - Minor in Technology and Engineering Education

Utah State University

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Utah State University, "Educational Policies Committee Program Proposal, College of Agriculture and Applied Sciences, April 1, 2016 - Minor in Technology and Engineering Education" (2016). *Educational Policies Committee*. Paper 369.

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Cover/Signature Page - Abbreviated Template/Abbreviated Template with Curriculum

Institution Submitting Request: Utah State University
Proposed Title: Minor in Technology and Engineering Education
Currently Approved Title: N/A
School or Division or Location: College of Agriculture and Applied Sciences
Department(s) or Area(s) Location: ASTE
Recommended Classification of Instructional Programs (CIP) Code¹ (for new programs): 13.1309
Current Classification of Instructional Programs (CIP) Code (for existing programs): 00.0000
Proposed Beginning Date (for new programs): 05/01/2016
Institutional Board of Trustees' Approval Date: 01/08/2016

Proposal Type (check all that apply):

Regents' General Consent Calendar Items		
<i>R401-5 OCHE Review and Recommendation; Approval on General Consent Calendar</i>		
SECTION NO.		ITEM
5.1.1	<input checked="" type="checkbox"/>	Minor*
5.1.2	<input type="checkbox"/>	Emphasis*
5.2.1	<input type="checkbox"/>	(CER P) Certificate of Proficiency*
5.2.3	<input type="checkbox"/>	(GCR) Graduate Certificate*
5.4.1	<input type="checkbox"/>	New Administrative Unit
	<input type="checkbox"/>	Administrative Unit Transfer
	<input type="checkbox"/>	Administrative Unit Restructure
	<input type="checkbox"/>	Administrative Unit Consolidation
5.4.2	<input type="checkbox"/>	Conditional Three-Year Approval for New Centers, Institutes, or Bureaus
5.4.3	<input type="checkbox"/>	New Center
	<input type="checkbox"/>	New Institute
	<input type="checkbox"/>	New Bureau
5.5.1	<input type="checkbox"/>	Out-of-Service Area Delivery of Programs
5.5.2	<input type="checkbox"/>	Program Transfer
	<input type="checkbox"/>	Program Restructure
	<input type="checkbox"/>	Program Consolidation
5.5.3	<input type="checkbox"/>	Name Change of Existing Programs
5.5.4	<input type="checkbox"/>	Program Discontinuation
	<input type="checkbox"/>	Program Suspension
5.5.5	<input type="checkbox"/>	Reinstatement of Previously Suspended Program
	<input type="checkbox"/>	Reinstatement of Previously Suspended Administrative Unit

**Requires "Section V: Program Curriculum" of Abbreviated Template*

Chief Academic Officer (or Designee) Signature:

I certify that all required institutional approvals have been obtained prior to submitting this request to the Office of the Commissioner.

Signature

Date: 01/08/2016

Printed Name: Laurens H. Smith, Jr.

¹ CIP codes must be recommended by the submitting institution. For CIP code classifications, please see <http://nces.ed.gov/ipeds/cipcode/Default.aspx?y=55>.

Program Request - Abbreviated Template
Utah State University
Minor in Technology Education
09/25/2015

Section I: Request

This is to request the addition of a Technology and Engineering Education Minor within the Technology and Engineering Education program. This will allow any students involved in the education program the opportunity to add an additional endorsement area to their credentials upon graduation.

Section II: Need

Throughout the state of Utah there is a teacher shortage in the area of Technology and Engineering. As a result, the Utah State Office of Education has made changes in the requirements for endorsements. They have created a separate content area for middle school Technology and Engineering Education with less education requirements for endorsement. The required course experience is covered in 5 courses taught in the Technology and Engineering Education program at USU. By creating a minor in Technology and Engineering Education it will provide students in other fields of education the opportunity to expand their marketability while addressing the shortage of technology and engineering teachers in Utah.

Section III: Institutional Impact

No substantive administrative or equipment changes will be necessary to facilitate the creation and operation of this minor. Courses are currently in place and have additional capacity. The department will also monitor interest in this minor/course offerings for future regional campus offering as some of the existing courses are already available at the regional campus sites.

Section IV: Finances

No new funding will be required. Possible gains can be implied as enrollment in the courses will increase slightly decreasing the cost per student per course.

Section V: Program Curriculum

All Program Courses (with New Courses in Bold)

Course Prefix and Number	Title	Credit Hours
Required Courses		
TEE 1010	Communications Technology	3
TEE 3050	Networking and computer systems	
TEE 1020	Energy Power, Transportation, and Control Technology	3
TEE 2030	Wood-Based Manufacturing Systems	3
TEE 1030	Material and Processing Systems	

Course Prefix and Number	Title	Credit Hours
TEE 1040	Construction and Estimating	3
TEE 1200	Computer Aided Drafting & Design	3
	Sub-Total	15
Elective Courses		0
	Sub-Total	15
Track/Options (if applicable)		0
	Sub-Total	15
	Total Number of Credits	15

Program Schedule

Fall

TEE 1010 Communications Technology 3 Cr. Offered Online

TEE 1020 EPT and Control systems technology 3 Cr. Offered distance to regional campus

TEE 1030 Materials and Processing Systems 3 Cr.

TEE 1200 Computer Aided Drafting and Design 3 Cr. Offered Online

TEE 2030 Wood-Based Manufacturing Systems 3 Cr.

Spring

TEE 1010 Communications Technology 3 Cr. Offered Online

TEE 1020 EPT and Control systems technology 3 Cr. Offered distance to regional campus

TEE 1030 Materials and Processing Systems 3 Cr.

TEE 1200 Computer Aided Drafting and Design 3 Cr. Offered Online

TEE 1040 Construction and Estimating 3 Cr.

Additional sections may be offered in the summer depending on enrollment needs.