

Arizona Sun Corridor - Get Into Energy Consortium  
 TAACCCT Round 2 Grant (TC-23759-12-60-A-4)  
 Third Party Review of Curriculum and Related Educational Resources

College	Estrella Mountain
Course Number	CIS275DB
Course Title	Smart Grid and Distribution System Security
Item Description	Curriculum and Transfer Document
Reviewed by	BP
Review Date(s)	March 2016

Course Number	Yes
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Course Title	Yes
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Course Description	Yes
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I would encourage this be re-written with complete sentences and tell the story of the course. What exists is a compilation of technical segments that can be incorporated into the story that informs the student what, how and why.

Pre-requisites	Yes
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CIS274DA

Co Requisites	No
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None listed.

Student learning outcomes and competencies are clearly identified	Yes
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Those presented clearly represent knowledge to be covered. However, all are written as "describe" and "explain". Because the course has both lecture and lab credits there should also be some performance aspect to this competency list. Some addition competencies should address some skills in the "apply" and "analyze" domains.

Required and recommended texts and other materials are clearly identified	No	None provided in this document
Description of strategies for student success or available assistance	No	None provided in this document
Description of how course prepares student for a certificate or degree	Yes	This description outlines the industry sector to be covered in this course.
Description of how course/item is relevant or applicable to occupation or industry	Yes	There is description that addresses the application of knowledge to focus on the grid. This could be extended to speak to more specific applications and analysis of systems.
Description of assessments, evaluation, exams and grading process	No	Nothing is included here to describe student performance and how to earn success in the course.  While this reviewer can interpret the ties to industry, it is not adequately outlined in the materials provided. There is no information provided that indicates engagement of industry advisory teams to validate the content is accurate to industry needs.
Evidence of industry input, review and approval process	No	
Evidence of college review and approval process	Yes	Governing board approval on June 24, 2014

For items not directly related to a course, any evidence of quality control process

NA

The overall quality is a sufficient representation of college and industry standards

No

This document appears to be a compliance piece for academic approval. It does little to convey a message to a student of expectations or how they will be successful in this course.

Other notes

This material as presented is not adequate to meet the expectations for a grant project of this nature. This does not provide information as should be provided to satisfy the objectives of curriculum development under the grant guidelines.

The amount of content provided in the outline seems too extensive to be covered in a course of this length. I would strongly encourage a sentence type outline that explains varied content areas and would focus those descriptions to be more focused on what is to be achieved by the student in each of those areas. For example, to list 37 states under the category of Smart Grid and Electric Delivery Regulations is overly redundant. It seems it would be much more effective to cover the regulations thoroughly in the home state and then have some references on noted differences in other states. Further, listing each with the specific title, chapter, etc. will require frequent updates to the outline as these will likely change and adapt regularly over the years.