

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

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| College | Estrella Mountain/MCCCD |
| Course Number | CIS275DC |
| Course Title | Embedded Systems Security |
| Item Description | In-depth overview of embedded systems used in power system utility environments and their underlying infrastructure. Provides understanding of what embedded systems are, how they are implemented and the security risks that are associated with them. Focuses on conducting reconnaissance activities from untrusted networks to identify weaknesses in control system networks. Describes how execution of attacks can be used to gain unauthorized access, creating impacts on embedded systems including the effects that they create. Actions that mitigate or reduce the risk of attacks to embedded systems that support grid operations are stressed. Partial preparation for certifications such as the International Council of Electronic Commerce Consultants (EC-Council) Certified Ethical Hacker (CEH) with a concentration in embedded systems security. |
| Reviewed by | AJZ |
| Review Date(s) | 3/3/2016 |

| | Yes/No/DNA | Comments |
|--|------------|--|
| Course Number | Yes | It would be helpful to label this as an Estrella Mountain CC course. |
| Course Title | Yes | |
| Course Description | Yes | |
| Pre-requisites | Yes | CIS274DA |
| Co Requisites | N/A | |
| Student learning outcomes and competencies are clearly identified | Yes | |
| Required and recommended texts and other materials are clearly identified | No | This was the course outline only |
| Description of strategies for student success or available assistance | No | This was the course outline only |
| Description of how course prepares student for a certificate or degree | No | This was the course outline only |
| Description of how course/item is relevant or applicable to occupation or industry | No | This was the course outline only |
| Description of assessments, evaluation, exams and grading process | No | This was the course outline only |
| Evidence of industry input, review and approval process | No | This was the course outline only |
| Evidence of college review and approval process | Yes | |
| For items not directly related to a course, any evidence of quality control process | N/A | |
| The overall quality is a sufficient representation of college and industry standards | No | This was the course outline only |
| Other notes | | In the instance that one school is using a general MCCCD outline, it would be helpful to customize with knowing who's version of the MCCCD Curriculum is being delivered by including your individual school. Curious of the lab equipment required to teach this course. This level of IT is going to require an isolated computer network to do properly. |