

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 Northland Pioneer
 Course Number MET220
 Course Title Advanced Programmable Logic Controllers

Item Description This course covers advanced principles and applications of programmable logic controllers (PLCs) and familiarizes them with a more advanced PLC family than that used in Introduction to PLCs. The student has the option of working with the Rockwell / Allen-Bradley Control Logix system or the Siemens S7 system.
 Reviewed by AJZ
 Review Date(s) 3/13/2016

Course Number	Yes/No/DNA	Comments
	Yes	The credit load of the class on the New Course Form is listed within the name. Recommend identifying as the credit number to not confuse with the session/level of the class.

Course Title	Yes
Course Description	Yes
Pre-requisites	Yes
Co Requisites	Yes

There are 52 Outcomes. These are valid but could be condensed. What is listed are lesson outcomes vs. class outcomes.

The important items such as HMI, PID, SCADA and Math Data moves are within the several outcomes listed. The students have the ability to choose between two very different PLC models. There are not any outcomes describing the differences between these models before they choose.

Student learning outcomes and competencies are clearly identified	No	I did not see the syllabus.
Required and recommended texts and other materials are clearly identified	No	

Description of strategies for student success or available assistance	No
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Description of how course prepares student for a certificate or degree	No
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Description of how course/item is relevant or applicable to occupation or industry	No
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Description of assessments, evaluation, exams and grading process	No
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Evidence of industry input, review and approval process	No
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Evidence of college review and approval process	No
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For items not directly related to a course, any evidence of quality control process	No
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The overall quality is a sufficient representation of college and industry standards	No
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One other consistent factor is that these classes have much more information being delivered compared to the credit value of the class.

Not sure how the credits work out at this school but I am not able to see how the credits breakdown. Some Examples-
 2 Lecture Hours + 3 Lab Hours = 3 Credits
 3 Lecture Hours + 3 Lab Hours = 4 Credits
 4 Lecture Hours + 3 Lab Hours = 5 Credits

Other notes