Prepared by: Scott Williams

What are the strengths of your area?:
1. Curriculum is current with Industrial Advisory Council expectations.
2. Students obtain employment at 80%.
3. The Industrial Maintenance Program curriculum is partially articulated with CSU, Fresno in the Technical and Industrial School.

What improvements are needed?:
1. The physical laboratory needs some new equipment i.e. new metal shear, and updated motor control lab equipment.
2. I need additional funding for ongoing laboratory consumable items such as electrical contacts, wire, tools, welding helments, hydraulic components, etc.

Describe any external opportunities or challenges.
1. There is always competition from outside educational sources.
2. Internship programs could be developed.

Overall Outcome Achievement:
1. High level of certificate achievement.
2. Students are very successful in their employment, and the reputation of the program is highly regarded in the community.
3. The PLOs and SLOs of the program are in line with the expectations of the employers of the community, and with the CSU,Fresno transfer requirements. The process of evaluating the PLOs and SLOs is beneficial to the Industrial Maintenance Program curriculum improvement.

Changes based on outcome achievement: Based on the outcome achievements, the students benefit from continuously improving curriculum stemming from the PLOs and SLOs. An example would be in keeping the programming portions of the program updated to industrial standard equipment.

Outcome cycle evaluation: The cycle for the Industrial Maintenance Program is every PLO and SLO outcome every year. The program faculty completed all assessments per the yearly schedule with all full time faculty. The Industrial Maintenance Program is evaluated yearly because the program is a two semester program. This cycle period seems to work very well.

Action: Improve learning in the motor control portion of the IMT program.
The motor control learning experience can be improved through the purchasing of new updated equipment for the motor control laboratory that is equivalent to the equipment currently used in the industrial environment.

Start Date: 08/27/2014
Completion Date: 04/30/2015
Status: New Action

Identify related course/program outcomes:
Upon completion of the motor control curriculum students will be able to explain the common instrumentation circuits and provide illustrations of applications.

Person(s) Responsible (Name and Position):
Scott Williams, Faculty

Rationale (With supporting data):
Technology is constantly improving and the IMT program needs to teach technology that is current with industry.

Priority: Medium
Safety Issue: No
External Mandate: No

Add Resource Request for Action

<table>
<thead>
<tr>
<th>Resource Description</th>
<th>Why is this resource required for this action?</th>
<th>Notes (optional)</th>
<th>Active</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Six new motor starters from 3 brands: Square D, Allen-Bradley, and Siemens.</td>
<td>The existing motor starters are outdated and in dire condition.</td>
<td></td>
<td>Yes</td>
</tr>
</tbody>
</table>
**Action: Increase student access to lathe.**

Having this equipment will improve access to a piece of equipment that is a part of the curriculum.

| Start Date: 08/20/2014 |
| Completion Date: 12/01/2014 |
| Status: New Action |

**Identify related** Lathe machine operation is a component of the PLO's and SLO's for the IMT program. The lathe will be used in both the daytime, and nighttime programs. That is course/program outcomes: approximately being used by 75 students annually.

**Person(s) Responsible (Name and Position):** Scott Williams, Professor. Louann Waldner, Dean

**Rationale (With supporting data):** The combined attendance for the IMT programs is 55 students per semester. The lathe will be used by all of them. Note: this is replacing a lathe that has been used continuously for the past 25 years.

**Priority: High**

**Safety Issue:** Yes

**External Mandate:** No

**Add Resource Request for Action**

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<td>Engine lathe</td>
<td>This resource is equipment that is a learning unit of the curriculum in PLO's and SLO's. This is a replacement request for a piece of equipment that failed, and had been in service many years.</td>
<td></td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Resource Type:** Instructional equipment

**Action: Increase student learning through the use of the internet.**

Have the ability to display internet related topics in the classroom through use of a computer, and projector.

| Implementation Timeline: 2013 - 2014 |
| Start Date: 09/30/2014 |
| Status: New Action |

**Identify related** Information finding is an intergral part of the basic skills component of the PLO's and SLO's of the Industrial Maintenance Program.

**Person(s) Responsible (Name and Position):** Scott Williams, Professor. Louann Waldner, Dean

**Rationale (With supporting data):** Entry level job skills require a technician to locate data through the use of the internet. Many employers list this skill in their job descriptions.

**Priority: High**

**Safety Issue:** Yes

**External Mandate:** Yes

**Action: Increase student learning through usage of current instructional supplies**

Increase the Instructional Supply budget to a level which would allow for the instructional supplies to be the same as would be used in their employment.

| Implementation Timeline: 2015 - 2016 |
| Status: New Action |

**Identify related** Student Learning Outcomes state that students will have entry level employment skills. Through the use of current materials the student will achieve the entry level course/program outcomes: skills and practicum that will be required in employment.

**Person(s) Responsible (Name and Position):** Scott Williams, Professor; Louann Waldner, Dean
Rationale (With supporting data): Students need to use modern supplies so that when they enter jobs they will be acquainted with the supplies and procedures that are being used by their employers. The Advisory Council requested updated supplies at the most recent meeting.

Priority: High
Safety Issue: Yes
External Mandate: Yes