Comprehensive Program Review Report (Narrative)
College of the Sequoias
Program Review - Construction Technology

Program Review - Construction Technology

Prepared by: John Rector

What are the strengths of your area?:
1. Long time connection with building community
   2. Renewed labor market demand.

What improvements are needed?:
1. Replacements of retiring or retired adjunct faculty.
   2. Completion rates for certificates.
   3. Reconnection with feeder schools.
   4. Articulation update

Describe any external opportunities or challenges:
1. Recovering from 5 year industry slowdown.
2. Restarting building projects with Interim construction projects smaller than traditional house projects which were suspended several years ago due to market constraints. NCCER slow to respond to instructional materials requests.

Overall Outcome Achievement:
Students are adapting to new curriculum program and course assessment affiliation with NCCER (Nation Center for Construction Education and Research). NCCER slow to respond with Instructor resources.

Changes based on outcome achievement:
Continue with NCCER curriculum. Assessment tools are built into NCCER curriculum and are being filtered into courses as the course rotation process continues.

Outcome cycle evaluation:
Three year evaluation cycle. Assessed courses this year as benchmark for continuation of three year cycle. Implementation of new curriculum is still to early to fully evaluate but does lend itself to student success.

Action: Complete curriculum change to NCCER training modules
Adopt NCCER curriculum, implement changes in currently offered classes.

Implementation Timeline:
Start Date: 08/15/2014
Completion Date: 12/15/2015
Status: Continued Action

Person(s) Responsible (Name and Position):
John Rector

Rationale (With supporting data):
Continue with Departmental plan to adopt NCCER curriculum

Priority: High
Safety Issue: No
External Mandate: No

Add Resource Request for Action

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<th>Why is this resource required for this action?</th>
<th>Notes (optional)</th>
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Action: Implement Certificate Changes

Complete four new certificate programs

**Implementation Timeline:** 2014 - 2015

**Start Date:** 08/30/2014

**Completion Date:** 09/15/2014

**Status:** New Action

**Identify related course/program outcomes:** Given the CAD program, students will be able to run computer CAD startup sequence, save work and retrieve work from prior sessions in order to advance drawing work at a 90% rate towards a completed. Given the CAD drawing line technique, students will be able to draw a line to a specific length in order to progress in the basic skills needed to draw a building perimeter with 90% accuracy.

**Person(s) Responsible (Name and Position):** John Rector, Instructor

**Rationale (With supporting data):** Traditional CT certificates are large in units and cover several components of the construction industry. Students have had difficulty in completing the larger certificates. By breaking up the certificates into smaller and more specialized areas students can concentrate on areas of interest or gain skills to help them in a particular area of construction in which they may presently be employed. By completing a certificate in any facet of construction success in one area can be a motivator for students to look at a degree path.

**Priority:** High

**Safety Issue:** No

**External Mandate:** No

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