



# **Program Review - Overall Report**

Instructional: Construction Technology

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# Data Review

2021 - 2024

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## Overall Trends

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### **What overall trends do you see in success, retention, program of study, educational planning, and awards over the past 3 or more years?**

The Construction Technology Program has been fairly stable over the past several decades.

A review of the past three years show the Success for 2017 - 2020 for the Spring Semesters to be 86%, 89.5%, and 67.4%. The final result was due to the Covid-19 pandemic. The college average for those same three years was 69.5%, 71%, and 69.3%. I believe the major drop in the Construction was that the makeup of students is mostly working adults.

A review of the past three years show the retention for 2017 - 2020 for the Spring Semesters to be 94.4%, 95.7%, and 81.6%. The college average for the same three years was 84.7%, 85.2% and 79.1%.

Our Program has scored substantially higher than the college average over that same period of time. This once again is probably due to the makeup of the students being more focused and older and more motivated.

I do see the need from this past year and also from previous student questions about online classes to implement a course offering that would allow a student to complete the Construction Technology program either in a face-to-face classroom setting or a full online program.

Over half the students this semester would like to continue in the online method. As such I have all 13 of the required courses for the certificate and degree pattern in the curriculum process for full DE approvals.

I have also modified the 2 year schedule of classes to reflect an 60 - 40 percent offerings for students to pursue either face-to-face or online. This would enable students who are veterans or live outside of the area the opportunity to complete our coursework.

The mission of the Construction Tecnology program is to provide the construction industry with the information about the construction codes, general materials and methods of construction. This would target designers, building departments, contractors, and those in the trades and provide them with the most current and relevant industry standards and information.

This could also help and enhance construction professionals in remote areas of the country that have no direct access to the community college system.

## Disaggregated Student Subgroups

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### **Look at the disaggregated student subgroups in success, retention, program of study, educational planning, and awards for your area. Are there any equity gaps that you will address in the next 3 years?**

**If there are any concerning trends over the past 3 or more years, or if equity gaps exist, what is your action plan to address them?**

## Data Review

Is there a resource request associated with this Data Review? (If yes, please complete a Resource Request, which you can access from the main menu to the left)

# Assessment Review

2021 - 2024

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## Section 1: SLO Assessment Status (Based on Dashboard - Assessment Status)

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**Which Disciplines are included in this Assessment?**

Construction Technology

**What percent of SLOs in the disciplines you identified above have been assessed?**

Not quite half

**Which SLOs have not been assessed and why? Identify both the Course and the associated SLO(s).**

There has been little if no time left to assess due to the conversion of the 13 Construction Courses to an online platform with only one full time faculty.

## Section 2: Mapping Status (Based on Dashboard - Mapping Status)

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**Are all SLOs mapped to at least one PLO?**

**If all SLOs are not mapped to at least one PLOs, please explain why.**

**Are the appropriate SLOs mapped to GELOs? (If you have a course that is listed in any general education area, it should have at least one SLO mapped to at least one GELO)**

**If the appropriate SLOs are not mapped to GELOs, please explain why.**

## Section 3: PLO Analysis (Based on Dashboard - Analysis: PLO Direct Assessment)

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**Which Programs are included in this Assessment?**

**Please identify the PLO(s) - and name the associated Program(s) - that achieved benchmarks.**

**To what do you attribute this success?**

**Please identify the PLO(s) - and name the associated Program(s) - that did not achieve benchmarks.**

**If there are PLOs that did not achieve benchmarks, what do you plan on doing to improve benchmark attainment?**

## Section 4: Alignment to Career and Transfer

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**Describe the process used in this area to ensure programs (PLOs) align with career and transfer needs.**

## Assessment Review

**Describe the activities, projects, and opportunities this program offers to support experiential learning and alignment of programs to career and transfer (e.g. capstone projects, portfolios, service-learning opportunities).**

**Without looking at your current PLOs, describe some program outcomes which would best help your students continue on the path towards their workforce and transfer goals (e.g. subject matter expertise, hands on experience, partnerships, etc.).**

**Review current PLOs. Do the outcomes listed above align with the current program outcomes?**

## Program Review: Part 1

EMP GOAL 1. Expand college access by increasing both headcount and full-time equivalent students (FTES).

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### **GOALS AND ACTIVITIES**

#### **What are you doing now in support of this goal?**

Using the Online and Face to Face Classes, begin seeking to help our existing Construction Technology Students finish the 30 unit certificate program. We have constructed a 2-year schedule which a student can choose from to complete their remaining units either online or F2F. The 2-year schedule provides a means to complete the entire program either F2F or Online or both.

#### **What are your plans/goals (3-year) regarding this goal?**

Get our existing students (either F2F or online) the classes they need to finish the certificate program.

### **EVIDENCE**

#### **Do you have assessment data or other evidence that relates to this goal?**

No

### **RESOURCES**

**Is there a resource request associated with this EMP Goal? (If yes, please complete a Resource Request, which you can access from the main menu to the left)**

No

EMP GOAL 2. Implement Guided Pathways framework.

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### **GOALS AND ACTIVITIES**

#### **What are you doing now in support of this goal?**

Each section we offer is provided with the 2-year schedule and a copy of the 30 unit Construction Technology Program with a list of all the courses.

#### **What are your plans/goals (3-year) regarding this goal?**

Through getting support from our counseling department try to initiate a system which we can track and support students through the application process for a certificate and/or degree in Construction Technology

### **EVIDENCE**

#### **Do you have assessment data or other evidence that relates to this goal?**

Not at this time

### **RESOURCES**

**Is there a resource request associated with this EMP Goal? (If yes, please complete a Resource Request, which you can access from the main menu to the left)**

No

## Program Review: Part 1

### EMP GOAL 6. Pursue, develop, & sustain collaborative partnerships.

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#### **GOALS AND ACTIVITIES**

##### **What are you doing now in support of this goal?**

We have in the past had industry support from Suppliers (i.e Simpson Strong Tie Hardware), the ICC (International Code Council), CSI (Construction Specification Institute), IAPMO (International Association of Plumbing and Mechanical Officials), Architectural firms, and Contractors. Due to the pandemic these have become dormant.

##### **What are your plans/goals (3-year) regarding this goal?**

Seek to re-establish connections to the above organizations.

#### **EVIDENCE**

##### **Do you have assessment data or other evidence that relates to this goal?**

No

#### **RESOURCES**

##### **Is there a resource request associated with this EMP Goal? (If yes, please complete a Resource Request, which you can access from the main menu to the left)**

No

### EMP GOAL 7. Become the regional college of choice by offering a comprehensive range of programs that prepare students for the future and meet employer workforce needs.

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#### **GOALS AND ACTIVITIES**

##### **What are you doing now in support of this goal?**

The Construction Technology Program with its now online capacity can reach many more of the construction professionals seeking to enhance their career through relevant educational courses.

##### **What are your plans/goals (3-year) regarding this goal?**

I have also modified the 2 year schedule of classes to reflect an 60 - 40 percent offerings for students to pursue either face-to-face or online. This would enable students who are veterans or live outside of the area the opportunity to complete our coursework. The mission of the Construction Technology program is to provide the construction industry with the information about the construction codes, general materials and methods of construction. This would target designers, building departments, contractors, and those in the trades and provide them with the most current and relevant industry standards and information. This could also help and enhance construction professionals in remote areas of the country that have no direct access to the community college system.

#### **EVIDENCE**

##### **Do you have assessment data or other evidence that relates to this goal?**

A review of the past three years show the Success for 2017 - 2020 for the Spring Semesters to be 86%, 89.5%, and 67.4%. The final result was due to the Covid-19 pandemic. The college average for those same three years was 69.5%, 71%, and 69.3%. I believe the major drop in the Construction was that the makeup of students is mostly working adults.

A review of the past three years show the retention for 2017 - 2020 for the Spring Semesters to be 94.4%, 95.7%, and 81.6%. The college average for the same three years was 84.7%, 85.2% and 79.1%.

## Program Review: Part 1

Our Program has scored substantially higher than the college average over that same period of time. This once again is probably due to the makeup of the students being more focused and older and more motivated.

### **RESOURCES**

**Is there a resource request associated with this EMP Goal? (If yes, please complete a Resource Request, which you can access from the main menu to the left)**

EMP GOAL 9. Expand workforce to support comprehensive college and develop/sustain excellent workplace culture.

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### **GOALS AND ACTIVITIES**

**What are you doing now in support of this goal?**

Preparing to expand our online program to areas not served by any community college.

**What are your plans/goals (3-year) regarding this goal?**

Seek to expand our online courses to accommodate industry partners in areas that do not have access to our curriculum. Especially the code classes such as the Energy Code, the Accessibility Code (ADA), the Building Code (IBC), the Plumbing Code (UPC), the Mechanical Code (UMC) and the Electrical Code (NFPA-NEC).

### **EVIDENCE**

**Do you have assessment data or other evidence that relates to this goal?**

No

### **RESOURCES**

**Is there a resource request associated with this EMP Goal? (If yes, please complete a Resource Request, which you can access from the main menu to the left)**

No



## Program Review Part 2

2021 - 2024

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### Curriculum

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**Are all your courses current (within four years)?**

Yes

**What percentage of your courses are out of date?**

0%

**If you have courses that are not current, are they in the curriculum process?**

N/A

**For out of date courses that are not already in progress of updating, what is your plan?**

**Do you have proposals in progress for all the DE courses you intend to file?**

Yes

**Do you require help to get your courses up to date?**

No

### Program Review Reflections

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**What would make program review meaningful and relevant for your unit?**

**What questions do we need to ask to understand your program plans, goals, needs?**

**What types of data do you need to support your program plans, goals, needs?**

**If there are any supporting documents you would like to attach, please attach them here.**

# Resource Requests

2022 - 2023 Update

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## Resource Request

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### What resources do we already have?

Just general line item

### What resources do you need?

None. Well maybe a printer

### Request related to EMP goal or Assessment?

### \$ Amount Requested

250

### Resource Type

ITEM: Equipment, Services, Software, Furniture

### Potential Funding Source(s)

### The evidence to support this request can be found in:

### This request for my area is Priority #:

### Is this request:

New

### For Administrative Use Only

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### Funding Status

### Notes

2021 - 2024

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## Resource Request

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### What resources do we already have?

Just the line item for operational expenses

### What resources do you need?

Not at this time. I just need additional time to teach

### Request related to EMP goal or Assessment?

EMP Goal 7

### \$ Amount Requested

250

### Resource Type

ITEM: Instructional supplies

## Resource Requests

### Potential Funding Source(s)

Department Regular Funding

### The evidence to support this request can be found in:

Program Review: Part 1, Program Review: Part 2

This request for my area is Priority #:

### For Administrative Use Only

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### Funding Status

Completed/Funded

### Notes

Back to Standard Time = +1 hour

## Submission

2021 - 2024

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**All parts of my Program Review have been completed and it is ready for review**

Yes

2022 - 2023 Update

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**I would like to submit this update**

Yes

**The additions or updates to my Program Review can be found in:**

Program Review: Part 1, Program Review: Part 2, Resource Requests