Comprehensive Program Review Report

Program Review - Drafting

Program Summary

2022-2023

Prepared by: Rolando Gonzalez, M. Arch. Professor of Architecture/Architect, Drafting Technology Department Head
What are the strengths of your area?: The COS drafting technology program culminates in an AS Degree in Drafting Technology which allows students to obtain entry level employment. As students work towards their degree they also obtain Certificates. Certificates motivate students to continue in the program and their completion aides in obtaining employment should they not complete their degree.

Employment success is good. It is highlighted in our department website www.cos/architecture "Student Employment". Local employers regularly contact the department with employment opportunities. Employment opportunities are announced and posted in the classroom. Within the past 5 years (2018 - 2022) we are averaging 5 employment placements per year. In 2022 five (5) students found employment. This is similar to last year's Program Review. The average is actually probably higher since not all the students contact the department when they gain employment.

An Outcomes Assessment 3 Year Cycle has been created. All course and program outcomes are completed.
What improvements are needed?: The CTE Dean and staff will be reducing and modifying the Certificates to better meet the needs of the students and industry.

Overall program enrollment needs to be increased to prevent having to rotate some courses every other year. Rotating courses slows degree and certificate completion. These courses include DRFT112 and DRFT113. The college recently hired CTE staff who have actively been recruiting for the architecture program. As of Fall 2017 we have seen steady architecture program enrollment, however this has diminished as of Fall 2020 due to COVID. Although this recruiting does not generally include drafting, there is a natural connection between the two programs. This connection should increase the drafting program enrollment.

First year enrollment needs to be increased to ensure second year course enrollments are sufficient. Canceling second year courses slows degree and certificate completion. The college recently hired CTE staff who have actively been recruiting for the architecture program. As of Fall 2017 we have seen steady architecture program enrollment, however this has diminished as of Fall 2020 due to COVID. Although this recruiting does not generally include drafting, there is a natural connection between the two programs. This connection should increase the drafting program enrollment.

Open Lab is needed for students to obtain additional coursework assistance and time to complete their work. Currently faculty supervises Open Lab without compensation. Student Lab Assistants paid through VTEA funding are also utilized. Open Lab is available for drafting students through the architecture department.

High school recruiting trips are needed to promote and increase enrollment of the program. The college recently hired CTE staff who plan to recruit for the drafting program in the future.

High school recruiting brochures need to be created to attract and track potential students. Brochures are currently underway.

A Recruiting Card has been created to track potential students. The completed Recruiting Cards have been given to the Dean's Office. CTE staff will use them to track and contact potential drafting students. CTE staff has yet to contact and track these students.

A Drafting Technology Program Questionnaire needs to be created and distributed to the students to evaluate the overall quality.

Additional drafting courses need to be identified as General Education courses. A recent request to include DRFT114 has been submitted to the General Education committee. Our proposal was denied. We intend to resubmit.

It is a current challenge to motivate adjunct faculty to promote degrees and certificates.

There may be an opportunity to connect with other outside disciplines, i.e. Business, Art, Graphic Design, and Computer Technology.

Degree completion is poor. Based on Datamart.cccco.edu within the last five years 2017/18 thru 2021/22 we are averaging less than 1 Degree per year.

Certificate completion is fair. Based on Datamart.cccco.edu within the last five years 2017/18 thru 2021/22 we are averaging 3 Certificates per year.

Course Success average for the past 3 years (2019/20-2021/22) is 63%. Productivity (FTES/FTEF Ratio) average for the past 3 years (2019/20-2021/22) is 8.7. 17.5 is the expected productivity level. See "Documents" attached 2022 COS Program Review Dashboard.

Describe any external opportunities or challenges.: In Fall 2020 COVID struck which has resulted in the following external challenges:

1. Enrollment has slipped.
2. Lecture / lab courses require masks and social distancing with regular disinfecting.
3. Open Lab requires masks and social distancing with regular disinfecting.
4. Student access to Drafting Stations to complete their coursework has been reduced somewhat.
5. Student access to Computers and Software to complete their coursework has been reduced somewhat.

The city of Tulare has a smaller population than Visalia. This affects enrollment. The college recently hired CTE staff who have actively been recruiting for the architecture program. As of Fall 2017 we have seen steady architecture program enrollment. Although this recruiting does not generally include drafting, there is a natural connection between the two programs. This connection should increase the drafting program enrollment.

The move to Tulare has made it more difficult for Visalia campus students to be aware of the drafting technology program. This affects enrollment. The college recently hired CTE staff who have actively been recruiting for the architecture program. As of Fall 2017 we have seen steady architecture program enrollment. Although this recruiting does not generally include drafting, there is a natural connection between the two programs. This connection should increase the drafting program enrollment.

The drive from the Visalia campus to Tulare has discouraged some students from entering the drafting technology program. This affects enrollment. The college recently hired CTE staff who have actively been recruiting for the architecture program. As of Fall 2017 we have seen steady architecture program enrollment. Although this recruiting does not generally include drafting, there is a natural connection between the two programs. This connection should increase the drafting program enrollment.

Computer program software is an integral part of the program. Keeping this software current is a challenge. It is expensive.

We utilize a 3D printer. The supplies necessary to use this printer are expensive. Students cannot afford these costs.

Students require time outside of class in the form of an Open Lab to complete their coursework. A paid student lab assistant is needed to assist these students.

Overall SLO Achievement: As a whole we are satisfied with overall achievement levels of Course Outcomes (SLOs) . Course Outcomes (SLOs) are identified in each course syllabus.

Drafting Technology students generally demonstrate achievement at high levels. It is easy to verify 100% accuracy and incorporating these checks by students, of their own work, is an integral portion of Drafting Technology instruction. Consequently, they are often verifying and modifying work as an ongoing process, resulting in lab assessments with high levels of accuracy.

See "Documents" for attached 2022 COS Program Review Dashboard.
Changes Based on SLO Achievement: COURSE SPECIFIC
STUDENT LEARNING OUTCOMES SUMMARY
Improve Student Success and Enrollment Numbers:
1. In order to ensure continued and sufficient enrollment in the drafting technology program, high school recruiting is necessary. Scheduling data clearly shows low enrolled drafting technology courses and second year drafting technology courses are sometimes cancelled.
2. Bringing in local high school students to participate in a yearly Design Day will create architecture program awareness and increase enrollment. This will translate into drafting technology enrollment increases too. This has been put on hold due to COVID. We plan to bring back Design Day in Fall 2024.

Improve Student Success and Quality of Skills Attained:
1. Industry demands that students be knowledgeable in the most recent computer program software version. When employers complete the Employment Opportunity Flyer they demand knowledge of the most recent computer program software version.
2. Students who spend additional time in Open Lab greatly increase their coursework success which yields higher grades.
Overall PLO Achievement: As a whole we are not satisfied with overall achievement levels of Program Outcomes (PLOs). Successful PLOs include student employment utilizing portfolios. Unsuccessful PLOs include university transfer utilizing portfolios, degree and certificate completion.

College Core Indicator Information for 2022-2023: Most core indicators for Drafting Technology program (095340) are N/A (Not Applicable) or N/R (Not Reported). Core Indicator 3 - Cohort Year: 2019-2020 Non-traditional Program Enrollment #21 CTE Cohort and #21 Individuals Preparing for Non-traditional Fields are -14.3 Below Negotiated Level.

See "Document" for attached Core Indicators 095340 Mechanical Drafting 2022-23.
Changes Based on PLO Achievement: PROGRAM SPECIFIC
PROGRAM LEARNING OUTCOMES SUMMARY
Improve Student Success and Enrollment Numbers:
1. In order to ensure continued and sufficient enrollment in the drafting technology program, high school recruiting is necessary. Scheduling data clearly shows low enrolled drafting technology courses and second year drafting technology courses are sometimes cancelled.
2. Bringing in local high school students to participate in a yearly Design Day will create architecture program awareness and increase enrollment.
This will translate into drafting technology enrollment increases too. This has been put on hold due to COVID. We plan to bring back Design Day in Fall 2024.

Improve Student Success and Quality of Skills Attained:
1. Industry demands that students be knowledgeable in the most recent computer program software version. When employers complete the Employment Opportunity Flyer they demand knowledge of the most recent computer program software version.
2. Students who spend additional time in Open Lab greatly increase their coursework success which yields higher grades.
Outcome cycle evaluation: An Outcomes Assessment 3 Year Cycle has been created. All course and program outcomes are completed.
Faculty have been assigned specific courses and programs.

See "Documents" for attached Outcomes Assessment 3 Year Cycle

Action: 2022-2023 Improve Student Success and Enrollment

Update course SLO to reflect additional software in DRFT and improve alignment with HS Drafting programs.

Leave Blank: Continued Action
Implementation Timeline: 2020 - 2021, 2022 - 2023
Leave Blank:
Leave Blank:
Identify related course/program outcomes: This action affects ALL course outcomes.

This action is related to the following program outcome:
At the end of this program, students will create and analyze documents related to computer assisted and tactile drafting/design,

create and distinguish tactile 2D & 3D visual communication drawings, manage and explain computer operating systems and the world wide web, create and
distinguish graphic design projects, i.e. illustrations, and web page design & development, and create and analyze documents related to construction technology, i.e. construction materials & methods, detailing, and construction documents.
Person(s) Responsible (Name and Position): Rolando Gonzalez, M. Arch. Professor of Architecture/Architect, Drafting Technology Department Head
Rationale (With supporting data): In order to ensure continued and sufficient enrollment in the drafting technology program, high school recruiting to attract and track potential students are necessary.

Data: Stacking low enrolled courses has allowed the DRFT certificate courses to be offered each year. Due to low enrollment, AS degree courses are not scheduled. The CTE certificate program meets industry needs.
Priority: High
Safety Issue: No
External Mandate: No
Safety/Mandate Explanation:

Update on Action

Updates

Update Year: 2022 - 2023 09/23/2022
Status: Continue Action Next Year
CTE Dean and staff will be modifying and reducing Certificates to better meet the needs of students and industry. Increased enrollment and program completion is the goal.
Impact on District Objectives/Unit Outcomes (Not Required):

Update Year: 2021-2022 09/03/2021
Status: Continue Action Next Year
The Drafting program participated in several outreach and marketing opportunities. Additionally, students were directed to CTE Student Success and Career Development Coordinators to improve academic and career success.
Impact on District Objectives/Unit Outcomes (Not Required): Drafting saw modest enrollment gains this year compared to recent years (DO 1.1).

Resources Description

Non-instructional equipment - Compensate faculty for recruiting at local high schools. RANK #3 (Active)
Why is this resource required for this action?: District Goal #1 (Increase Student Enrollment)
DO 1.1 (Increase Student Enrollment)

District Goal #2 (Completion & Transfer Objectives)
DO 2.1 (Transfer Preparation)
DO 2.2 (Program Completion)
DO 2.4 (Success Rates & Completion)

This resource will compensate faculty to recruit at our local high schools. Currently faculty conducts recruiting with no compensation.

The drafting technology industry continues to demonstrate a need for highly trained entry level CAD Technicians. Recruiting high school students for this industry is primary to the success of these stated district objectives.

This action applies to all course Student Learning Outcomes. Several are provided for your convenience.

DRFT114 Introduction to CAD
SLO#1 Given instructor lecture, textbook reading, and instructor demonstration, students will be able to identify and describe “CAD” system components by completing a CAD drawing with an evaluative grade of "C' or better.

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DRFT115 Advanced CAD
SLO #1 Given an instructor lecture, textbook readings, and a computer software demonstration, students will be able to solve illustration problems with a computer by creating a CAD drawing with an evaluative grade of 'C' or better.

DRFT016 CAD Applications
SLO #1 Given an instructor lecture, textbook readings, and computer software demonstration, students will be able to generate 3D models, parts & assemblies by completing a CAD drawing with an evaluative grade of 'C' or better.

AS Degree
PLO #1 At the end of this program, students will create and analyze documents related to computer assisted and tactile drafting/design, create and distinguish tactile 2D & 3D visual communication drawings, manage and explain computer operating systems and the world wide web, create and distinguish graphic design projects, i.e. illustrations, and web page design & development, and create and analyze documents related to construction technology, i.e. construction materials & methods, detailing, and construction documents.

The drafting technology industry continues to offer multiple careers for well trained and motivated graduates. SLOs and PLOs were developed in direct contact and direction from industry partners. Industry realizes and supports efforts to improve enrollment and continued student success.

Recruitment is critical to improving student enrollment in the drafting technology program. Local high schools have continued to reduce the offering of architecture and drafting classes. Therefore students are not exposed to the career opportunities demand by the drafting technology industry.

The drafting technology program has long maintained and continues to have local and regional support from the drafting technology community. It is through these contacts i.e. advisory committee meetings that the need for more highly trained skilled individuals is being requested by the industry . Their support and enthusiasm for recruiting new students into the drafting technology program is the driving force for this request.
Notes (optional): 10 high schools x 2 hrs. each = 20 hrs.
20 hrs. x $69.81/hr. (Lab Rate for R. Gonzalez) = $1,396
Cost of Request (Nothing will be funded over the amount listed.): 1400

Non-instructional equipment - Create marketing video to attract and track potential high school students. RANK #2 (Active)
Why is this resource required for this action?: District Goal #1 (Increase Student Enrollment)
DO 1.1 (Increase Student Enrollment)

District Goal #2 (Completion & Transfer Objectives)
DO 2.1 (Transfer Preparation)
DO 2.2 (Program Completion)
DO 2.4 (Success Rates & Completion)

The marketing video will allow the drafting technology department to recruit at our local high schools. The marketing video will summarize the drafting technology department's degree, certificates, and computer software programs. It will also be placed on the COS main website.

The drafting technology industry continues to demonstrate a need for highly trained entry level CAD Technicians. Recruiting high school students for this industry is primary to the success of these stated district objectives.

This action applies to all course Student Learning Outcomes. Several are provided for your convenience.

DRFT114 Introduction to CAD
SLO#1 Given instructor lecture, textbook reading, and instructor demonstration, students will be able to identify and describe “CAD” system components by completing a CAD drawing with an evaluative grade of "C' or better.

Program Review - Drafting

DRFT115 Advanced CAD
SLO #1 Given an instructor lecture, textbook readings, and a computer software demonstration, students will be able to solve illustration problems with a computer by creating a CAD drawing with an evaluative grade of 'C' or better.

DRFT016 CAD Applications
SLO #1 Given an instructor lecture, textbook readings, and computer software demonstration, students will be able to generate 3D models, parts & assemblies by completing a CAD drawing with an evaluative grade of 'C' or better.

AS Degree
PLO #1 At the end of this program, students will create and analyze documents related to computer assisted and tactile drafting/design, create and distinguish tactile 2D & 3D visual communication drawings, manage and explain computer operating systems and the world wide web, create and distinguish graphic design projects, i.e. illustrations, and web page design & development, and create and analyze documents related to construction technology, i.e. construction materials & methods, detailing, and construction documents.

The drafting technology industry continues to offer multiple careers for well trained and motivated graduates. SLOs and PLOs were developed in direct contact and direction from industry partners. Industry realizes and supports efforts to improve enrollment and continued student success.

Recruitment is critical to improving student enrollment in the drafting technology program. Local high schools have continued to reduce the offering of architecture and drafting classes. Therefore students are not exposed to the career opportunities demand by the drafting technology industry.

The drafting technology program has long maintained and continues to have local and regional support from the drafting technology community. It is through these contacts i.e. advisory committee meetings that the need for more highly trained skilled individuals is being requested by the industry . Their support and enthusiasm for recruiting new students into the drafting technology program using a marketing video is the driving force for this request.
Notes (optional): $2,000 based on Foundation funding provided to Graphic Design Department for marketing video.
Cost of Request (Nothing will be funded over the amount listed.): 2000

Link Actions to District Objectives

District Objectives: 2018-2021
District Objective 1.1 - The District will increase FTES by 1.75% over the three years
District Objective 2.1 - Increase the percentage of students who earn an associate degree or certificate (CTE and Non-CTE) by 5 percentage points over three years
District Objective 2.2 - Increase the number of students who transfer to a four-year institution by 10 percent over three years
District Objective 2.4 - By 2021, Increase the percentage of CTE students who achieve their employment objectives by 5 percentage points

District Objectives: 2015-2018
District Objectives - 1.1 - Increase overall enrollment by 1.75% annually
District Objectives - 2.1 - Increase the number of students who are transfer-prepared annually.
District Objectives - 2.2 - Increase the number of students who earn an associate degree or certificate annually.
District Objectives - 2.4 - Increase Career Technical Education course success rates and program completion annually.

District Objectives: 2021-2025
District Objective 2.1 - Increase the number of students who earn an associate degree or certificate (CTE and non-CTE) by 5% from 2021-2025.

Program Review - Drafting

Action: 2022-2023 Improve Student Success and Quality of Skills Attained

Request resources to help improve student success and quality of skills attained within the program.

Leave Blank: Continued Action
Implementation Timeline: 2020 - 2021, 2022 - 2023
Leave Blank:
Leave Blank:
Identify related course/program outcomes: This action affects ALL course outcomes.

This action is related to the following program outcome:
At the end of this program, students will create and analyze documents related to computer assisted and tactile drafting/design, create and distinguish tactile 2D & 3D visual communication drawings, manage and explain computer operating systems and the world wide web, create and distinguish graphic design projects, i.e. illustrations, and web page design & development, and create and analyze documents related to construction technology, i.e. construction materials & methods, detailing, and construction documents.
Person(s) Responsible (Name and Position): Rolando Gonzalez, M. Arch. Professor of Architecture/Architect, Drafting Technology Department Head
Rationale (With supporting data): Industry demands that students be knowledgeable in the most recent computer program software version. Data: When employers complete the Employment Opportunity Flyer they demand knowledge of the most recent computer program software version. See "Documents".

Students who spend additional time in Open Lab greatly increase their coursework success. Data: For students who participate in Open Lab final grades are higher.
Priority: High
Safety Issue: No
External Mandate: No
Safety/Mandate Explanation:

Update on Action

Updates

Update Year: 2022 - 2023 09/23/2022
Status: Continue Action Next Year
This action represents continuing efforts to move fiscal obligations for essential software and student lab support from VTEA/Perkins to district funds. This was not institutionalized last year.
Impact on District Objectives/Unit Outcomes (Not Required):

Update Year: 2021-2022 09/03/2021
Status: Continue Action Next Year
This action represents continuing efforts to move fiscal obligations for essential software and student lab support from VTEA/Perkins to district funds. This was not institutionalized last year.
Impact on District Objectives/Unit Outcomes (Not Required): This was not implemented so there was no resulting impact on district objectives.

Resources Description

Technology - Provide computer program software upgrades to keep pace with industry standards. RANK #1
SolidWorks (Active)
Why is this resource required for this action?: District Goal #1 (Increase Student Enrollment)
DO 1.1 (Increase Student Enrollment)

District Goal #2 (Completion & Transfer Objectives)

DO 2.1 (Transfer Preparation)
DO 2.2 (Program Completion)
DO 2.4 (Success Rates & Completion)

These computer program software upgrades will allow the drafting technology department to keep pace with industry standards.

The drafting technology industry continues to demonstrate a need for highly trained entry level CAD Technicians. Providing graduates with knowledge of the most recent computer software for this industry is primary to the success of these stated district objectives.

This action applies to all course Student Learning Outcomes. Several are provided for your convenience.

DRFT114 Introduction to CAD
SLO#1 Given instructor lecture, textbook reading, and instructor demonstration, students will be able to identify and describe “CAD” system components by completing a CAD drawing with an evaluative grade of "C' or better.

DRFT115 Advanced CAD
SLO #1 Given an instructor lecture, textbook readings, and a computer software demonstration, students will be able to solve illustration problems with a computer by creating a CAD drawing with an evaluative grade of 'C' or better.

DRFT016 CAD Applications
SLO #1 Given an instructor lecture, textbook readings, and computer software demonstration, students will be able to generate 3D models, parts & assemblies by completing a CAD drawing with an evaluative grade of 'C' or better.

AS Degree
PLO #1 At the end of this program, students will create and analyze documents related to computer assisted and tactile drafting/design, create and distinguish tactile 2D & 3D visual communication drawings, manage and explain computer operating systems and the world wide web, create and distinguish graphic design projects, i.e. illustrations, and web page design & development, and create and analyze documents related to construction technology, i.e. construction materials & methods, detailing, and construction documents.

The drafting technology industry continues to offer multiple careers for well trained and motivated graduates. SLOs and PLOs were developed in direct contact and direction from industry partners. Industry realizes and supports efforts to provide computer software program upgrades.

The architecture program has long maintained and continues to have local and regional support from the drafting technology community. It is through these contacts i.e. advisory committee meetings that the need for more highly trained skilled individuals is being requested by the industry . Their support and enthusiasm for providing computer software program upgrades for the drafting technology program is the driving force for this request.
Notes (optional): SolidWorks $500
Cost of Request (Nothing will be funded over the amount listed.): 500

Non-instructional equipment - Provide a paid student open lab assistant to assist students during Open Lab. RANK #1 (Shared with architecture & graphic design departments) (Active)
Why is this resource required for this action?: District Goal #2 (Completion & Transfer Objectives)
DO 2.1 (Transfer Preparation)
DO 2.2 (Program Completion)
DO 2.4 (Success Rates & Completion)

The rigor of the drafting technology program demands some coursework be done outside of regular class time. Many students do not have access to a drafting table and/or the necessary computer program software at home. Consequently an Open Lab environment is needed for students to obtain additional coursework assistance, resources, and time to complete their coursework. A paid student open lab assistant is needed to assist students during Open Lab.

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The drafting technology industry continues to demonstrate a need for highly trained entry level CAD Technicians. Providing students with a paid student open lab assistant to assist students during Open Lab is primary to the success of these stated district objectives.

This action applies to all course Student Learning Outcomes. Several are provided for your convenience.

DRFT114 Introduction to CAD
SLO#1 Given instructor lecture, textbook reading, and instructor demonstration, students will be able to identify and describe “CAD” system components by completing a CAD drawing with an evaluative grade of "C' or better.

DRFT115 Advanced CAD
SLO #1 Given an instructor lecture, textbook readings, and a computer software demonstration, students will be able to solve illustration problems with a computer by creating a CAD drawing with an evaluative grade of 'C' or better.

DRFT016 CAD Applications
SLO #1 Given an instructor lecture, textbook readings, and computer software demonstration, students will be able to generate 3D models, parts & assemblies by completing a CAD drawing with an evaluative grade of 'C' or better.

AS Degree
PLO #1 At the end of this program, students will create and analyze documents related to computer assisted and tactile drafting/design, create and distinguish tactile 2D & 3D visual communication drawings, manage and explain computer operating systems and the world wide web, create and distinguish graphic design projects, i.e. illustrations, and web page design & development, and create and analyze documents related to construction technology, i.e. construction materials & methods, detailing, and construction documents.

The drafting technology industry continues to offer multiple careers for well trained and motivated graduates. SLOs and PLOs were developed in direct contact and direction from industry partners. Industry realizes and supports efforts to provide a paid student open lab assistant to assist students during Open Lab.

The drafting technology program has long maintained and continues to have local and regional support from the drafting technology community. It is through these contacts i.e. advisory committee meetings that the need for more highly trained skilled individuals is being requested by the industry . Their support and enthusiasm for providing a paid student open lab assistant to assist students during Open Lab is the driving force for this request.
Notes (optional): Fall semester 300 hrs. @ $15.00/hr = $4500 + Spring semester 300 hrs. @ $15.00/hr = $4500
Wage Total $9000 + Workers Comp Total $122.40
Total Request $9,122.40
Cost of Request (Nothing will be funded over the amount listed.): 9122

Link Actions to District Objectives

District Objectives: 2018-2021
District Objective 1.1 - The District will increase FTES by 1.75% over the three years
District Objective 2.1 - Increase the percentage of students who earn an associate degree or certificate (CTE and Non-CTE) by 5 percentage points over three years
District Objective 2.2 - Increase the number of students who transfer to a four-year institution by 10 percent over three years
District Objective 2.4 - By 2021, Increase the percentage of CTE students who achieve their employment objectives by 5 percentage points

District Objectives: 2015-2018
District Objectives - 1.1 - Increase overall enrollment by 1.75% annually
District Objectives - 2.1 - Increase the number of students who are transfer-prepared annually.
District Objectives - 2.2 - Increase the number of students who earn an associate degree or certificate annually.

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District Objectives - 2.4 - Increase Career Technical Education course success rates and program completion annually.

District Objectives: 2021-2025

District Objective 2.4 - Increase the percentage of CTE students who achieve their employment objectives by five percentage points (job closely related to field of study and
attainment of a livable wage) and the number of CTE students who successfully complete 9+ CTE units in a single year by 10% from 2021-2025.

Action: 2022-2023 Improve Student Success with stabilized funding

Request additional funding to supplement standard college budgets for the program.

Leave Blank: Continued Action
Implementation Timeline: 2020 - 2021, 2022 - 2023
Leave Blank:
Leave Blank:
Identify related course/program outcomes: This action affects ALL course outcomes.

This action is related to the following program outcome:
At the end of this program, students will create and analyze documents related to computer assisted and tactile drafting/design, create and distinguish tactile 2D & 3D visual communication drawings, manage and explain computer operating systems and the world wide web, create and distinguish graphic design projects, i.e. illustrations, and web page design & development, and create and analyze documents related to construction technology, i.e. construction materials & methods, detailing, and construction documents.
Person(s) Responsible (Name and Position): Rolando Gonzalez, M. Arch. Professor of Architecture/Architect, Drafting Technology Department Head
Rationale (With supporting data): The drafting technology program requires funding other than the standard budgets given by the college. This additional funding benefits students as follows: computer program software, competitions, supplies, materials, classroom reference books, and brochures.
Priority: High
Safety Issue: No
External Mandate: No
Safety/Mandate Explanation:

Update on Action

Updates

Update Year: 2022 - 2023 09/23/2022
Status: Continue Action Next Year
This action was completed for this academic year. Division budgets were augmented. We will continue to request additional funding to supplement standard college budgets for the program.
Impact on District Objectives/Unit Outcomes (Not Required):

Update Year: 2021-2022 09/03/2021
Status: Continue Action Next Year
This action was completed for this academic year. Division budgets were augmented. We will continue to request additional funding to supplement standard college budgets for the program.
Impact on District Objectives/Unit Outcomes (Not Required): Improving student learning by providing access to essential and relevant technology supports DO 2.1 and DO 2.4.

Resources Description

Equipment - Instructional - Provide additional funding to supplement standard college budgets for the program. RANK #1

Program Review - Drafting

(Active)

Why is this resource required for this action?: The drafting technology program requires funding other than the standard budgets given by the college. This additional funding benefits students as follows: computer program software, supplies, materials, classroom reference books, and brochures.

This action applies to all course Student Learning Outcomes. Several are provided for your convenience.

DRFT114 Introduction to CAD
SLO #1 Given CAD instruction, students will be able to identify and describe “CAD” system components.

DRFT115
SLO #1 Given CAD instruction, students will be able to solve illustration problems with a computer.

AS Degree
PLO #1 At the end of this program, students will create and analyze documents related to computer assisted and tactile drafting/design, create and distinguish tactile 2D & 3D visual communication drawings, manage and explain computer operating systems and the world wide web, create and
distinguish graphic design projects, i.e. illustrations, and web page design & development, and create and analyze documents related to construction technology, i.e. construction materials & methods, detailing, and construction documents.

Notes (optional): SB1070 $5,000
Prop 39 $5,000
Strong Workforce $5,000
Foundation Project Funding $5,000
Co-Curricular $5,000
Above Base Budget $5,000
VTEA $30,000

Cost of Request (Nothing will be funded over the amount listed.): 60000

Link Actions to District Objectives

District Objectives: 2018-2021
District Objective 1.1 - The District will increase FTES by 1.75% over the three years
District Objective 2.1 - Increase the percentage of students who earn an associate degree or certificate (CTE and Non-CTE) by 5 percentage points over three years
District Objective 2.2 - Increase the number of students who transfer to a four-year institution by 10 percent over three years
District Objective 2.4 - By 2021, Increase the percentage of CTE students who achieve their employment objectives by 5 percentage points

District Objectives: 2015-2018
District Objectives - 1.1 - Increase overall enrollment by 1.75% annually
District Objectives - 2.1 - Increase the number of students who are transfer-prepared annually.
District Objectives - 2.2 - Increase the number of students who earn an associate degree or certificate annually.
District Objectives - 2.4 - Increase Career Technical Education course success rates and program completion annually.

District Objectives: 2021-2025
District Objective 4.1 - Increase the effective use of data and transparency in decision making at all institutional levels from 2021-2025.