



Program Review - Overall Report

2024 - 2027

Instructional: Architecture Graphics

Overall Trends

Please add any relevant documents here.

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

The Data below shows unbalanced gender population. We need to expand services equitable to all genders. as well as the minorities.

Data Review

Count of StudentID

BY ANNUAL, GENDER BY ETHNICITY, STD10

Gender by Ethnicity	2019-20	2020-21	2021-22	2022-23
<input type="checkbox"/> Female	4	4	13	29
Asian			1	5
Hispanic	3	4	9	15
Unreported			1	1
White	1		2	8
<input type="checkbox"/> Male	13	10	17	37
African-American			1	1
American Indian				1
Asian	2	1	3	3
Hispanic	10	7	9	23
Two or More		1	3	2
White	1	1	1	7
<input type="checkbox"/> Unreported	1			
White	1			
Total	18	14	30	66

Data Review

%CT Count of StudentID

BY ANNUAL, STUDENT EDUCATIONAL PAN

Student Educational Pan	2019-20	2020-21	2021-22	2022-23	Total
Abbreviated and Comprehensive Ed Plan			6.67%	1.52%	2.34%
Abbreviated Ed Plan	16.67%	7.14%	23.33%	9.09%	13.28%
Comprehensive Ed Plan	16.67%		10.00%	10.61%	10.16%
No Ed Plan	66.67%	92.86%	60.00%	78.79%	74.22%

[Open in Power BI](#)

Program of Study and Ed Plan

Data as of 10/3/23, 1:02 PM

Filtered by **ProgramofStudy** (is Architectural Graphics or Architecture), **Annual** (is 2020-21, 2021-22, 2022-23, or 2019-20)

Data Review

Gender	Enrolled	Retained	Retention Rate	DI	Close Gap
Female	Masked Data			0	
Hispanic	Masked Data			0	
White	Masked Data			0	
Male	Masked Data			0	
Asian	Masked Data			0	
Hispanic	Masked Data			0	
Total	13	9	69.2%	0	0

[Open in Power BI](#)

department-level disaggregated success data

Data as of 8/22/23, 10:24 AM

Filtered by **disc** (is ARE), **inst_meth2** (is Hybrid), **ay** (is 2017-18, 2018-19, 2019-20, 2020-21, 2021-22, or 2022-23)

Data Review

Disaggregated Student Subgroups

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?

Gap in male/female ratio

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?

To increase the female enrolment by 15%

Please add any relevant documents here.

Program/Unit Goals

Architectural Graphics

Program/Unit Goal

ARE/27

Goal Cycle

2024 - 2027

What are you doing now in support of this goal?

Architectural Graphics certificate program prepares individuals to apply basic Architectural drafting knowledge and skills to development of working drawings and electronic simulations in support of Architectural and Civil engineers and related professionals. The content includes the application of advanced computer software and hardware, Computer Assisted Drafting, Computer Assisted Design (CAD) and Building Information Modeling (BIM) to the creation of graphic representations and simulations in support of Architectural projects.

Upon successful completion of this program, students should be able to:

1. Complete a set of residential working drawings, which may include first floor drawings, second floor drawings, foundation drawings, elevations, cross-sections, framing, electrical drawings, and structural detail.
1. Demonstrate an ability to apply and integrate computer technology into the design process to achieve a desired result.

Architectural and civil drafter jobs are expected to increase by 2% through 2022 in the Inland Empire/Desert Region. More than 500 total job openings, 102 annual job openings will be available over the five-year timeframe. The entry-level hourly wage for architectural and civil drafters of \$18.20 per hour is above the MIT Living Wage estimate of \$12.30 per hour for a single adult living in the Inland Empire/Desert Region. There appears to be an opportunity for program growth based on the average annual number of program completers for the selected community college program (1 annual community college award), and the annual openings for architectural and civil drafters in the region (102 annual job openings). Attached find LMI (Labor Market Information) report.

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

1. Develop Makers activities and team building around project-based study, out of class activities such as attending regional and national student competitions.
2. Update resources, tool and materials for each course as well as whole program
3. ZTC

Please add any relevant documents here.

Mapping

Educational Master Plan (2020-2025): *undefined*

- **2025 Objective 1.1 - KPI 1 (Academic Affairs):** Go from 7,366 to 8,759 total FTES (✓)
- **2025 Objective 11.1 (Student Services):** Design intuitive and simple student onboarding system (✓)
- **2025 Objective 2.4 - KPI 6 (Student Services):** Increase number of transfers 15% annually (✓)
- **2025 Objective 3.3 - KPI 10 (Student Services):** Reduce the equity gap for Men of Color by 40% (✓)
- **2025 Objective 3.5 - KPI 12 (Student Services):** Reduce the equity gap for Foster Youth students by 40% (✓)
- **2025 Objective 4.1 (Planning and Development):** Increase percentage of employees who complete Guided Pathways training from 5% to 65% (305 out of 472 employees) (✓)
- **2025 Objective 7.1 (Academic Senate):** Develop comprehensive breadth of academic programs (✓)
- **2030 Goal 1: Access:** Expand college access by increasing both headcount and FTES (✓)
- **2030 Goal 6: (Community Partnerships) :** Pursue, develop, & sustain collaborative partnerships (✓)

Program/Unit Goals

EMP-Objectives (2025-2030): *undefined*

- **2030 Objective 1.1 – KPI 1 (Academic Affairs):** Meet or exceed district-set targets for college FTES (✓)
- **2030 Objective 6.2 (Planning & Development):** Engage in clear and effective governance practices that provide opportunities for meaningful participation and inclusion of relevant constituencies to inform institutional decision-making (✓)
- **Goal 1: Access:** Expand college access by increasing both headcount and FTES (✓)
- **Goal 3: Equity :** Close all student equity gaps (✓)
- **Goal 5: Workforce and Economic Development:** Reduce working poverty and the skills gap (✓)
- **Goal 8: Resources :** Develop innovative and diversified resources to build and sustain a comprehensive college and achieve our visionary goals (✓)

Progress and Evidence

Evidence Date

03/10/2025

What progress have you made toward this goal?

How do you measure your progress?

Discuss your evidence/results.

Please provide any assessment data or other evidence that supports this Program/Unit Goal.

Students had a 0\$ cost course in Spring 2025

Loaner tool kits were provided to studennts with open-source materials.

Is there a resource request associated with this Goal?

If yes, please provide a short description.

Please add any relevant documents here.

Curriculum

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?

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

All the courses and the program of the record including DE and Non=Credit proposals for Archtecturaal design is recently updated and in process for final approvals for 2025-26 student catalog.

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?

Yes

Please add any relevant documents here.

Credit for Prior Learning

Equity Related Professional Development Questions

1. Which equity-related professional development trainings have members of your area participated in to improve student learning, student support, and/or college support?

All equity-related PD is supported

2. What knowledge or skills/techniques have members in your area implemented from these trainings and what changes have you seen?

All Makerspace tool running the Design/Make workshop / conference/trainings

3. What additional equity-related professional development/trainings do you seek to better support your area?

To hire a lab technician/Manager to supervise Makers club students due to complexity of the tools and skills that is required to maintain the Makers lab.

Please add any relevant documents here.

Equity Related Professional Development Questions

1. Which equity-related professional development trainings have members of your area participated in to improve student learning, student support, and/or college support?

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2. What knowledge or skills/techniques have members in your area implemented from these trainings and what changes have you seen?

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3. What additional equity-related professional development/trainings do you seek to better support your area?

To hire a lab technician/Manager to supervise Makers club students due to complexity of the tools and skills that is required to maintain the Makers lab.

Please add any relevant documents here.

Assessment

Architectural Graphics / ARE24 and ARE35/36

Date
03/11/2024

Observation
What did you notice?
Increase in enrolment for OL and NC sections.

Course(s)
ARE24 and ARE35/36 Architectural Drafting and History

SLO(s)
all three

Discussion/Analysis
there is low enrolment in female students and ESL

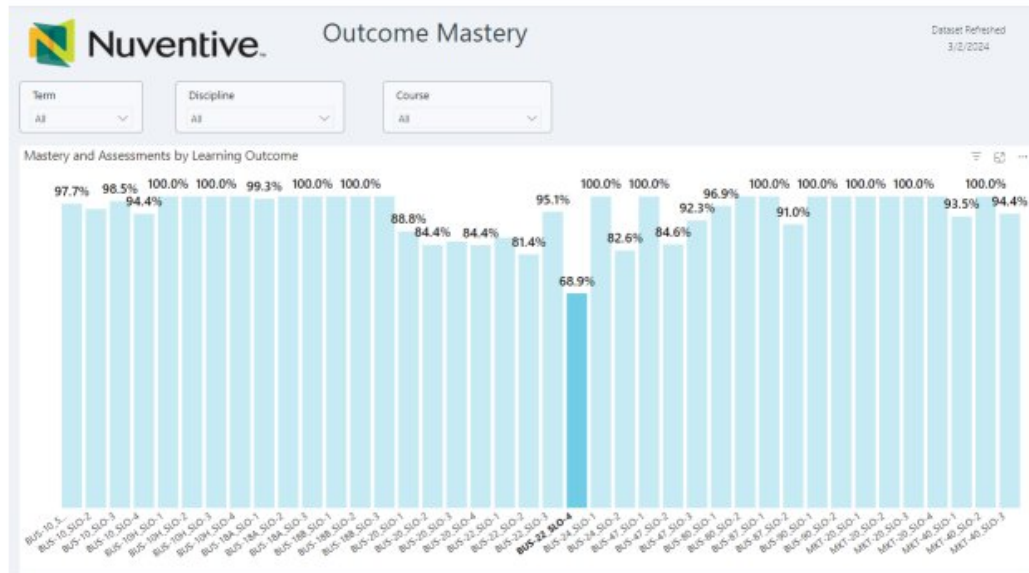
Please paste any relevant screenshots here.

BEST PRACTICES/GUIDELINES FOR ASSESSMENT SECTION OF INSTRUCTIONAL PROGRAM REVIEW

WRITE AT LEAST 1-3 OBSERVATIONS BASED ON YOUR REVIEW OF SLO DASHBOARDS/SLO REPORTS.

NORCO COLLEGE OUTCOMES DASHBOARD-COLLEGE DEFINED SLOS

- **Outcome Mastery:** One or more of the Observations should reflect any SLOs below 70% or whatever mastery level has been set by the discipline faculty. Recommend making observations based on filters being on "All" to maximize the number of students/assessments.



- **Outcome Mastery Over Time**
○ Interpreting this graph is possible when there are multiple terms (3 or more) of

Please add any relevant documents here.

Assessment

Resource Requests

CO Laser cutter

Resource Year

2024 - 2027

What resources do we already have?

old Laser engraver that is insufficient in cutting modeling materials

What resources do you need?

a new CO laser cutter

\$ Amount Requested

85,000

Resource Type

ITEM: Equipment, Services, Software, Furniture

Please summarize how this request supports one or more EMP Goals, Equity goals, your program plans or goals, and/or is supported by outcomes assessment data.

Perklins / CTE / Job placement

This request for my area is Priority #:

1

Is this request

New

For Administrative Use Only**Funding Status**

In Progress

Notes**Council Ranking**

1

2025-26 Council Ranking

Architectural site visit

Resource Year

2024 - 2027

What resources do we already have?

None

What resources do you need?

Funds to support Architecture / Design / Art students for site visiting inside united states for Architectural Design students

\$ Amount Requested

25,000

Resource Type

BUDGET: Request Ongoing Funding (Support, Mktg)

Please summarize how this request supports one or more EMP Goals, Equity goals, your program plans or goals, and/or is supported by outcomes assessment data.

to support equity, art appreciation / enrich students learning and marketing our college as a students learning support focus

This request for my area is Priority #:

1

Is this request

New

Resource Requests

For Administrative Use Only

Funding Status

Notes

Council Ranking

2025-26 Council Ranking

consumables such as 3D print Cartridge and materials

Resource Year

2024 - 2027

What resources do we already have?

few cartridge enough for 3 months

What resources do you need?

Perkins

\$ Amount Requested

10,000

Resource Type

ITEM: Instructional Supplies

Please summarize how this request supports one or more EMP Goals, Equity goals, your program plans or goals, and/or is supported by outcomes assessment data.

To run Maker's lab machies and supply the material and cartriges needed for 3D printes, CNC and laser that is used by diverse students of Makers club

This request for my area is Priority #:

1

Is this request

New

For Administrative Use Only

Funding Status

In Progress

Notes

Council Ranking

6

2025-26 Council Ranking

Drafting Tool kits

Resource Year

2025 Update

What resources do we already have?

Basic drafting toolkits that already used for current students

What resources do you need?

drafting toolkits

\$ Amount Requested

2,000

4/2/2026

Resource Requests

Resource Type

ITEM: Technology

Please summarize how this request supports one or more EMP Goals, Equity goals, your program plans or goals, and/or is supported by outcomes assessment data.

to provide a zero cost course to students

This request for my area is Priority #:

1

Is this request

New

For Administrative Use Only

Funding Status

Notes

Council Ranking

2025-26 Council Ranking

Mapping

Instructional: Architecture Graphics: undefined

The request is for all computers in lab ATEC 109, for both DFT/ARE programs and Makers lab activities.

- **Architectural Graphics: ARE/27 (✓)**

computer update for lab ATEC109

Resource Year

2026 Update

What resources do we already have?

+4 yrs computers and monitors

What resources do you need?

New computers and monitors

\$ Amount Requested

130,000

Resource Type

ITEM: Technology

Please summarize how this request supports one or more EMP Goals, Equity goals, your program plans or goals, and/or is supported by outcomes assessment data.

The program requires updated computer and monitors to keep up with the current software /tech apps for both DFT/ARE

This request for my area is Priority #:

1

Is this request

New

For Administrative Use Only

Funding Status

Notes

Council Ranking

2025-26 Council Ranking

Resource Requests

Mapping

Instructional: Architecture Graphics: undefined

The request is for all computers in lab ATEC 109, for both DFT/ARE programs and Makers lab activities.

- **Architectural Graphics: ARE/27** (✓)

Resource Request

What resources do we already have?

Perkins, CTE, General Funds

Potential Funding Source(s)

CTE: Perkins (VTEA)

CTE: Strong Workforce Project (SWP)

Equity

General Fund

What resources do you need?

Professional development, training, workshop in the Architectural Graphics field

Request related to EMP goal or Assessment?

EMP Goal 1

EMP Goal 3

EMP Goal 4

EMP Goal 6

\$ Amount Requested

3,500

Resource Type

FACULTY: Professional Development

The evidence to support this request can be found in:

Data Review

Program/Unit Goals

Equity

Program Review: Curriculum

This request for my area is Priority #:

1

Professional Development Activity Funding Request Application

Attendee and Activity Information

Has this professional development request been discussed and approved by your department chair?

Yes

Date of Request

Activity Date(s)

Attendee Name

Farshid Mirzaei

Position

Full-time Faculty

Discipline

ARE

Name of Activity and Organization/Sponsor

CEEC by SDSU

Link to Activity Website

https://lavincenter.sdsu.edu/programs/entrepreneurship-conference/2024_ceec/2024-ceec-conference

Faculty Professional Development Requests

Location

In state

City, State

Have you sought any other co-sponsorship (other internal and/or external funding)?

No

If yes, list source and total dollar amount.

Estimated Costs (\$)

Registration

3,500

What is included with Registration?

Air Travel or Mileage (65.5 cents/mile)

Hotel (tax included)

Airport Parking

Ground Transportation

Meals (\$75/day maximum)

Hotel Parking

Incidentals

Total Costs

3,500

Justification for Funding Request

Select the categories of professional development that best support your request. (Check all that apply)

Improvement of teaching

Maintenance of current academic/technical knowledge & skills

In-service training for vocational education and employment preparation programs

Briefly describe the objective of the activity and how it will benefit you and the work you do for the college. If this activity aligns with the objectives of any special programs, grants, or plans (e.g., Equity, AB 705, Guided Pathways, STEM, etc.) please explain.

How do you plan to share the information gained from the activity to your department/division? See "Dissemination Plan Ideas" document for ways to disseminate information and check all that apply.

Develop a Flex day activity

Briefly explain your selection above.

Is there anything else you would like to add?

Approve and Submit

Proof of approval is uploaded, ready to submit?

Faculty Professional Development Requests

Please upload proof of approval for travel from your department chair or Dean.

For Administrative Use Only

Funding Status

Notes

2026 Update

Resource Request

What resources do we already have?

CTE

Potential Funding Source(s)

CTE: Perkins (VTEA)

What resources do you need?

Professional development, training, workshop in the Architectural Graphics field

Request related to EMP goal or Assessment?

EMP Goal 4

EMP Goal 5

EMP Goal 7

\$ Amount Requested

2,500

Resource Type

FACULTY: Professional Development

The evidence to support this request can be found in:

Program Review: Curriculum

This request for my area is Priority #:

1

Professional Development Activity Funding Request Application

Attendee and Activity Information

Has this professional development request been discussed and approved by your department chair?

Yes

Date of Request

03/04/2026

Activity Date(s)

between 3/4/2026 to 3/4/2027

Attendee Name

Farshid Mirzaei

Position

Full-time Faculty

Discipline

Name of Activity and Organization/Sponsor

Faculty Professional Development Requests

Link to Activity Website

First conference:

TechCon SoCal 2026

Thursday, May 21, 2026 05:30 PM - Saturday, May 23, 2026 06:00 PM PST

San Diego State University

6075 Aztec Circle Dr, San Diego, CA 92182, USA

<https://techconglobal.com/techcon-socal-2026/>

Location

In state

City, State

San Diego, CA

Have you sought any other co-sponsorship (other internal and/or external funding)?

No

If yes, list source and total dollar amount.

Estimated Costs (\$)

Registration

526.58

What is included with Registration?

lunch

Air Travel or Mileage (65.5 cents/mile)

300

Hotel (tax included)

900

Airport Parking

Ground Transportation

100

Meals (\$75/day maximum)

150

Hotel Parking

90

Incidentals

Total Costs

2,100

Justification for Funding Request

Select the categories of professional development that best support your request. (Check all that apply)

Retraining to meet changing institutional needs

Improvement of teaching

Maintenance of current academic/technical knowledge & skills

Development of innovations in instructional and administrative techniques & program effectiveness

Briefly describe the objective of the activity and how it will benefit you and the work you do for the college.

If this activity aligns with the objectives of any special programs, grants, or plans (e.g., Equity, AB 705, Guided Pathways, STEM, etc.) please explain.

To update the knowledge and skill on the current innovation and design move with new tools and resources.

Faculty Professional Development Requests

How do you plan to share the information gained from the activity to your department/division? See “Dissemination Plan Ideas” document for ways to disseminate information and check all that apply.

Develop a Flex day activity

Facilitate a conversation

Briefly explain your selection above.

To present the outcome during Flex hours and have workshop on the new skill on campus.

Is there anything else you would like to add?

No

Approve and Submit

Proof of approval is uploaded, ready to submit?

Yes

Please upload proof of approval for travel from your department chair or Dean.

[Approval.pdf](#)

For Administrative Use Only

Funding Status

Notes

2026 Update

Resource Request

What resources do we already have?

CTE

Potential Funding Source(s)

CTE: Perkins (VTEA)

CTE: Strong Workforce Project (SWP)

What resources do you need?

Professional development, training, workshop in the Architectural Graphics field

Request related to EMP goal or Assessment?

EMP Goal 4

EMP Goal 5

EMP Goal 7

\$ Amount Requested

4,200

Resource Type

FACULTY: Professional Development

The evidence to support this request can be found in:

Program Review: Curriculum

This request for my area is Priority #:

1

Professional Development Activity Funding Request Application

Attendee and Activity Information

Has this professional development request been discussed and approved by your department chair?

Yes

Faculty Professional Development Requests

Date of Request

Activity Date(s)

15/09/2026 to 17/09/2026

Attendee Name

Farshid Mirzaei

Position

Full-time Faculty

Discipline

ARE / DFT

Name of Activity and Organization/Sponsor

Attend AU conference

Link to Activity Website

AU2026

September 15—17 | Las Vegas

<https://conferences.autodesk.com/flow/autodesk/au2026/web/page/overview>

Location

Out-of-state

City, State

Have you sought any other co-sponsorship (other internal and/or external funding)?

No

If yes, list source and total dollar amount.

Estimated Costs (\$)

Registration

1,600

What is included with Registration?

not published yet

Air Travel or Mileage (65.5 cents/mile)

600

Hotel (tax included)

1,400

Airport Parking

Ground Transportation

200

Meals (\$75/day maximum)

225

Hotel Parking

120

Incidentals

Total Costs

4,200

Faculty Professional Development Requests

Justification for Funding Request

Select the categories of professional development that best support your request. (Check all that apply)

Computer and technological proficiency programs

Maintenance of current academic/technical knowledge & skills

In-service training for vocational education and employment preparation programs

Briefly describe the objective of the activity and how it will benefit you and the work you do for the college.

If this activity aligns with the objectives of any special programs, grants, or plans (e.g., Equity, AB 705, Guided Pathways, STEM, etc.) please explain.

Autodesk conference helps update 6 courses such as AutoCAD DFT30 / 31 Fusion DFT62/63 and REVIT ARE 24/35 which are software by Autodesk.

How do you plan to share the information gained from the activity to your department/division? See

“Dissemination Plan Ideas” document for ways to disseminate information and check all that apply.

Host a Workshop or “Brown Bag” discussion

Briefly explain your selection above.

to host a workshop on the new tools and updates on the software.

Is there anything else you would like to add?

no

Approve and Submit

Proof of approval is uploaded, ready to submit?

Yes

Please upload proof of approval for travel from your department chair or Dean.

[Approval.pdf](#)

For Administrative Use Only

Funding Status

Notes

Faculty Hiring Resource Requests

Program Review Reflections

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

Partnership with the community and industries around the region.

Updated and develop the programs based on the needs of student and the community.

Project based learning

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

How to keep the retention and provide student learning support including the tutoring and out of class activities.

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

Where the students go after the graduation / drop ? How to keep them in contact to inspire new students.

Number of graduates who go to higher degrees vs the one who stay with a job after graduation.

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

Submission

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

Yes

Program Review Reflections

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

Drafting toolkit and some of already purchased books were used for ARE students.

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

How to provide student's feedback/surveys for you?

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

student's feedback/surveys

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

Submission

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

Yes

Program Review Reflections

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

In my point of view Program Review should be done in teams with discussions and reasoning for each item.

Proposing update and review without approvals or follow up discourages continuing the review.

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

How can I support your program?!

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

How many of my graduated students are currently working? What is their story of success and the impact of the programs on their life?

Reflections and Submission

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

Submission

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

Yes