



Program Review - Overall Report

Instructional: Mathematics

Data Review

2021 - 2024

Overall Trends

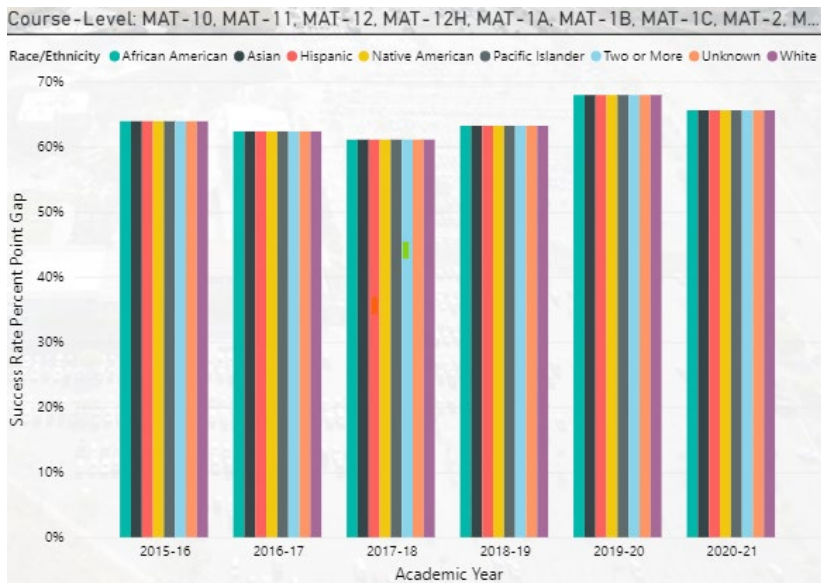
What overall trends do you see in success, retention, program of study, educational planning, and awards over the past 3 or more years?

Success:

The following numbers represent school year (2015 means 2015-2016 school year, etc.) and success rates: 2015 63.9, 2016 62.3, 2017 61.1, 2018 63.2, 2019 67.9, 2020 65.5

Success rates climbed in 2019-2020 with the implementation of AB 705 support courses, even with the emergency approved distance education during the Spring 2020 semester. The 2020-2021 data may show that the spike in 2019-2020 was a one off year or the big changes made in that semester were effective but only in a face-to-face setting. It is worth continuing to monitor as we move forward and our courses go back to face-to-face.

As we do return back from the pandemic, it is worth noting the discrepancy in success rates across strictly face-to-face courses (66.5%) and either hybrid or online courses (51.1%).



Face-to-Face Only Success Rates (Non-online)

Data Review

Discipline - Level: MAT					
Gender	Enrolled	Success	Success Rate	DI	Close Gap
Female	18,548	12,507	67.4%	0	0
African American	1,053	691	65.6%	0	10
Asian	1,765	1,396	79.1%	0	0
Hispanic	11,485	7,377	64.2%	1	374
Native American	59	45	76.3%	0	0
Pacific Islander	65	42	64.6%	0	2
Two or More	291	206	70.8%	0	0
Unknown	155	109	70.3%	0	0
White	3,675	2,641	71.9%	0	0
Male	18,975	12,442	65.6%	0	353
African American	857	509	59.4%	1	63
Asian	2,544	1,984	78.0%	0	0
Hispanic	10,717	6,652	62.1%	1	664
Native American	38	24	63.2%	0	2
Pacific Islander	67	49	73.1%	0	0
Two or More	372	247	66.4%	0	1
Unknown	205	131	63.9%	0	6
White	4,175	2,846	68.2%	0	0
Total	37,523	24,949	66.5%	0	0

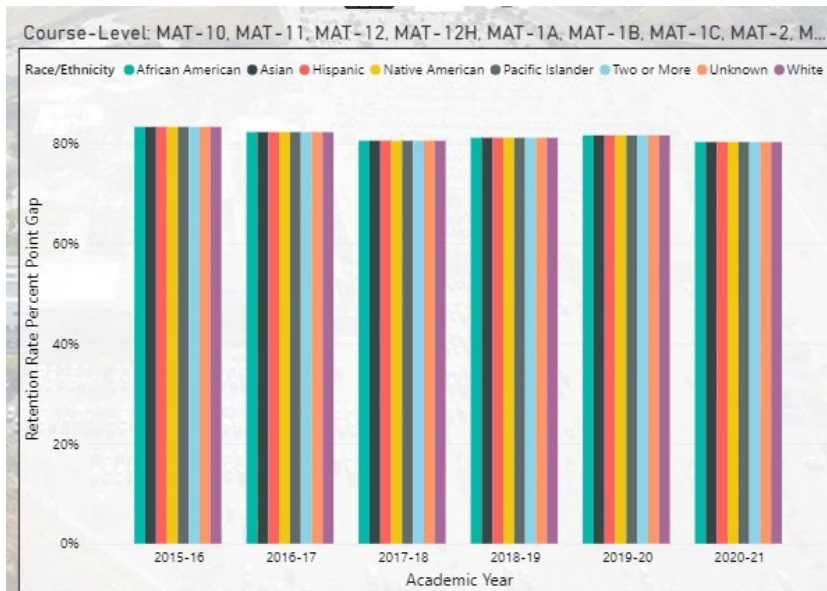
Hybrid and Online Success Rates

Data Review

Discipline -Level: MAT					
Gender	Enrolled	Success	Success Rate	DI	Close Gap
Female	5,117	2,602	50.9%	0	34
African American	415	159	38.3%	1	56
Asian	347	244	70.3%	0	0
Hispanic	2,861	1,379	48.2%	1	128
Native American	20	6	30.0%	1	5
Pacific Islander	18	11	61.1%	0	0
Two or More	104	60	57.7%	0	0
Unknown	54	21	38.9%	0	7
White	1,298	722	55.6%	0	0
Male	3,106	1,600	51.5%	0	0
African American	206	99	48.1%	0	7
Asian	348	229	65.8%	0	0
Hispanic	1,622	777	47.9%	1	65
Native American	3	1	33.3%	0	1
Pacific Islander	16	6	37.5%	0	3
Two or More	44	21	47.7%	0	2
Unknown	38	22	57.9%	0	0
White	829	445	53.7%	0	0
Total	8,223	4,202	51.1%	0	0

Retention:

Our retention rate over the past six school years (2015 to 2020) has remained stable at just over 80%. There appears to be no meaningful difference in any given year.



Program of study:

Data Review

a. Mathematics:

Our program has seen growth each year over the past 5 years, with the latest year having a large increase of 27% in the size of the program. Students from 121 in 2015-2016 to 205 in 2019-2020.

Gender by Ethnicity	2015-16	2016-17	2017-18	2018-19	2019-20
Female	57	64	74	70	84
Asian	5	12	8	9	7
Black	1	3	7	5	7
Hispanic/Latino	34	33	38	39	42
Nat Hawaii or Other PI					1
Two or More Races	1	1	3		
Unknown/Unreported				2	4
White	16	15	18	15	23
Male	62	65	92	91	121
Asian	10	5	11	15	14
Black	3		4	3	2
Hispanic/Latino	30	46	60	57	80
Nat Hawaii or Other PI	1				1
Two or More Races	5	2	1		
Unknown/Unreported					1
White	13	12	16	16	23
Unreported	2	1			
Unknown/Unreported	1	1			
White	1				
Total	121	130	166	161	205

b. Mathematics and Sciences:

The math and science program has grown over the last few years by 11%, however most of that growth occurred in 2017-2018. We have actually declined in size each year over the last two years.

Data Review

Gender by Ethnicity	2015-16	2016-17	2017-18	2018-19	2019-20
Female	1563	1676	1813	1837	1764
Amer Ind/Alaska Nat	3	1	3	4	1
Asian	160	157	184	183	201
Black	84	109	105	113	112
Hispanic/Latino	889	994	1081	1111	1042
Nat Hawaii or Other PI	3	3	5	10	5
Two or More Races	48	35	41	35	31
Unknown/Unreported	6	8	3	3	16
White	370	369	391	378	356
Male	1161	1247	1325	1287	1251
Amer Ind/Alaska Nat	3	1	1		5
Asian	151	175	202	182	198
Black	53	54	56	52	57
Hispanic/Latino	654	736	736	741	664
Nat Hawaii or Other PI	3	2	1	3	3
Two or More Races	47	31	36	25	29
Unknown/Unreported	4	6	7	12	14
White	246	242	286	272	281
Unreported	24	22	25	27	33
Asian	2	5	4	2	2
Total	2748	2945	3163	3151	3048

Educational planning:

a. Mathematics:

About 15% completed an education plan.

Student Educational Pan	2015-16	2016-17	2017-18	2018-19	2019-20	Total
Student did not complete a credit education plan during the term	80.17%	86.15%	84.94%	90.68%	81.95%	84.80%
Student developed an abbreviated credit education plan		3.08%	0.60%			0.64%
Student developed an abbreviated and a comprehensive credit education plan	4.13%	2.31%	2.41%	1.86%	0.98%	2.17%
Student developed a comprehensive credit education plan	15.70%	8.46%	12.05%	7.45%	17.07%	12.39%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

b. Mathematics and Sciences:

About 15% completed an education plan.

Student Educational Pan	2015-16	2016-17	2017-18	2018-19	2019-20	Total
Student did not complete a credit education plan during the term	82.13%	83.29%	84.76%	84.45%	87.14%	84.41%
Student developed an abbreviated credit education plan	0.47%	0.37%	0.57%	0.44%	0.20%	0.41%
Student developed an abbreviated and a comprehensive credit education plan	7.13%	2.44%	1.90%	1.71%	1.28%	2.80%
Student developed a comprehensive credit education plan	10.26%	13.89%	12.77%	13.39%	11.38%	12.38%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Awards:

a. Mathematics degrees:

As our program has grown, so has the amount of awards. Degrees awarded went from 9 in 2015-2016 to 43 in 2019-2020.

Data Review

Degrees						
Gender x Ethnicity	15-16	16-17	17-18	18-19	19-20	Total
<input type="checkbox"/> Female	2	3	10	8	16	39
Asian				1	1	2
Black	1				1	2
Hispanic/Latino	1	3	4	4	10	22
Two or More Races			1			1
White			5	3	4	12
<input type="checkbox"/> Male	7	8	16	20	27	78
Asian		1	4	4	6	15
Black			1	1		2
Hispanic/Latino	3	6	6	9	14	38
White	4	1	5	6	7	23
Total	9	11	26	28	43	117

b. Mathematics and Sciences degrees:

This roughly follows the same trend of growth in the program with a steady decline in the last two years. **Degrees awarded went from 138 in 2015-2016 to 193 in 2019-2020.**

Data Review

Gender x Ethnicity	15-16	16-17	17-18	18-19	19-20	Total
Female	87	98	141	113	104	543
Asian	8	11	16	14	16	65
Black	2	4	13	4	6	29
Hispanic/Latino	45	43	78	63	52	281
Nat Hawaii or Other PI				2		2
Two or More Races	7	5	4	1	2	19
White	25	35	30	29	28	147
Male	47	59	86	73	88	353
American Indian or Alaska Nati		1				1
Asian	5	4	16	17	20	62
Black	4	3	2	3	2	14
Hispanic/Latino	22	30	43	35	33	163
Two or More Races	4	1	3	2	3	13
Unknown/Unreported	1			1	1	3
White	11	20	22	15	29	97
Unreported	4	3	3	4	1	15
Asian					1	1
Black	1					1
Hispanic/Latino	2	2	3	1		8
Unknown/Unreported	1	1		1		3
White				2		2
Total	138	160	230	190	193	911

Disaggregated Student Subgroups

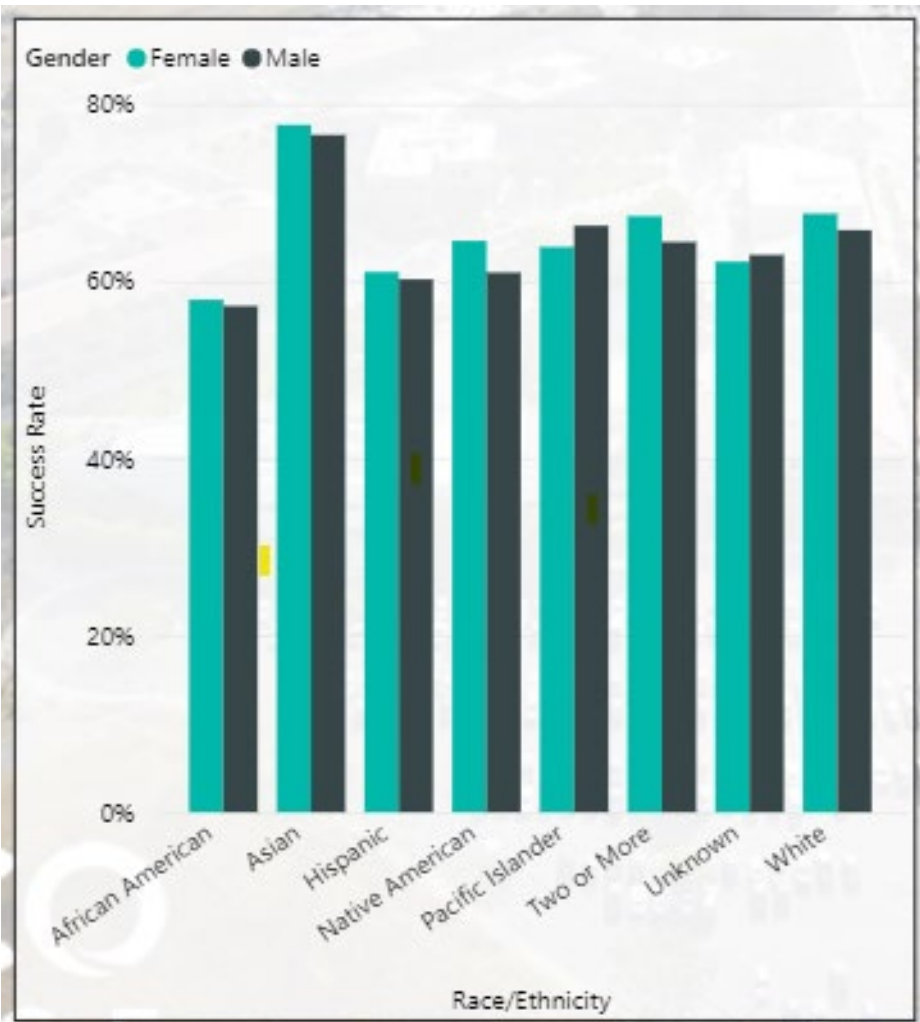
Look at the disaggregated student subgroups in success, retention, program of study, educational planning, and awards for your area. Are there any equity gaps that you will address in the next 3 years?
Success:

Over the Summer 2015 - Fall 2020 timeframe, it appears that the success rates between female and male subgroups are very similar. However, African American and Hispanic groups have been performing meaningly worse than the other groups. We can see that the Asian subgroup is performing at a significantly higher success rate than the rest, however there would still be a meaningful difference between our White student population success rates compared to African American and Hispanic students. These gaps appear to be the same even if we only look at the 2015-2018 data, so we have not made progress in this area.

Data Review

Discipline - Level: MAT					
Gender	Enrolled	Success	Success Rate	DI	Close Gap
Female	23,665	15,109	63.8%	0	0
African American	1,468	850	57.9%	1	89
Asian	2,112	1,640	77.7%	0	0
Hispanic	14,346	8,756	61.0%	1	563
Native American	79	51	64.6%	0	0
Pacific Islander	83	53	63.9%	0	0
Two or More	395	266	67.3%	0	0
Unknown	209	130	62.2%	0	4
White	4,973	3,363	67.6%	0	0
Male	22,081	14,042	63.6%	0	56
African American	1,063	608	57.2%	1	72
Asian	2,892	2,213	76.5%	0	0
Hispanic	12,339	7,429	60.2%	1	595
Native American	41	25	61.0%	0	2
Pacific Islander	83	55	66.3%	0	0
Two or More	416	268	64.4%	0	0
Unknown	243	153	63.0%	0	2
White	5,004	3,291	65.8%	0	0
Total	45,746	29,151	63.7%	0	0

Data Review



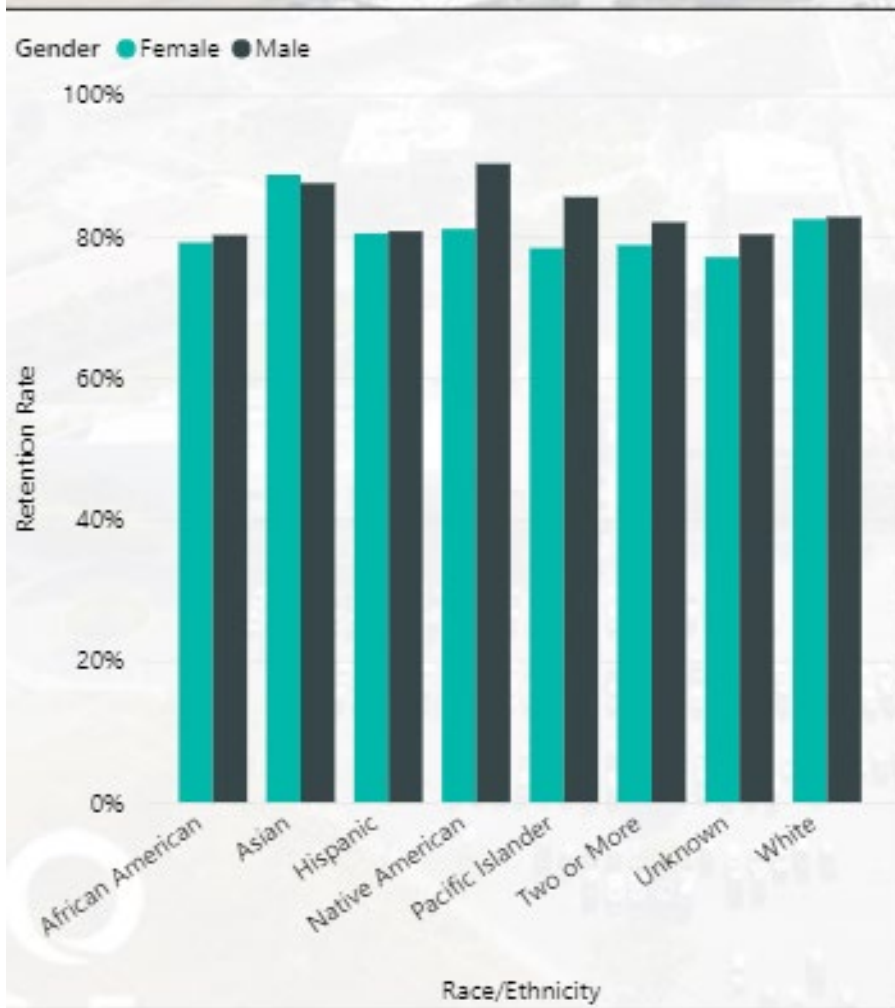
Retention:

Over the Summer 2015 to Fall 2020 timeframe, we can see that African American females have a lower retention rate than the other groups. Historically both Hispanic Males and Females have shown up here as well, so it is worth mentioning that even though they are not highlighted, they are not far away from returning in the future.

Data Review

Discipline-Level: MAT					
Gender	Enrolled	Retained	Retention Rate	DI	Close Gap
Female	23,665	19,264	81.4%	0	157
African American	1,468	1,161	79.1%	1	40
Asian	2,112	1,873	88.7%	0	0
Hispanic	14,346	11,531	80.4%	0	282
Native American	79	64	81.0%	0	1
Pacific Islander	83	65	78.3%	0	3
Two or More	395	311	78.7%	0	12
Unknown	209	161	77.0%	0	10
White	4,973	4,098	82.4%	0	0
Male	22,081	18,121	82.1%	0	0
African American	1,063	852	80.2%	0	18
Asian	2,892	2,530	87.5%	0	0
Hispanic	12,339	9,956	80.7%	0	176
Native American	41	37	90.2%	0	0
Pacific Islander	83	71	85.5%	0	0
Two or More	416	341	82.0%	0	0
Unknown	243	195	80.2%	0	4
White	5,004	4,139	82.7%	0	0
Total	45,746	37,385	81.7%	0	0

Data Review



Program of Study:

a. Mathematics:

It appears our program has seen growth each year over the past 5 years, with the latest year having a large increase of 27% in the size of the program. It appears white females, Hispanic/Latinx males, and white males make up the majority of this increase. It's interesting that Hispanic/Latinx males increased this last year by 40% however Hispanic/Latinx females only increased by 8%. Another trend is that the disparity between number of males and females in the program is growing to be a significant gap- 60% are male, 40% are female.

Data Review

Gender by Ethnicity	2015-16	2016-17	2017-18	2018-19	2019-20
Female	57	64	74	70	84
Asian	5	12	8	9	7
Black	1	3	7	5	7
Hispanic/Latino	34	33	38	39	42
Nat Hawaii or Other PI					1
Two or More Races	1	1	3		
Unknown/Unreported				2	4
White	16	15	18	15	23
Male	62	65	92	91	121
Asian	10	5	11	15	14
Black	3		4	3	2
Hispanic/Latino	30	46	60	57	80
Nat Hawaii or Other PI	1				1
Two or More Races	5	2	1		
Unknown/Unreported					1
White	13	12	16	16	23
Unreported	2	1			
Unknown/Unreported	1	1			
White	1				
Total	121	130	166	161	205

b. Mathematics and Sciences:

The math and science program has grown over the last few years by 11%, however most of that growth occurred in 2017-2018. We have actually declined in size each year over the last two years. The proportion of female to male students has remained somewhat consistent over the years with roughly 58% female and 42% male.

Data Review

Gender by Ethnicity	2015-16	2016-17	2017-18	2018-19	2019-20
Female	1563	1676	1813	1837	1764
Amer Ind/Alaska Nat	3	1	3	4	1
Asian	160	157	184	183	201
Black	84	109	105	113	112
Hispanic/Latino	889	994	1081	1111	1042
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White	370	369	391	378	356
Male	1161	1247	1325	1287	1251
Amer Ind/Alaska Nat	3	1	1		5
Asian	151	175	202	182	198
Black	53	54	56	52	57
Hispanic/Latino	654	736	736	741	664
Nat Hawaii or Other Pl	3	2	1	3	3
Two or More Races	47	31	36	25	29
Unknown/Unreported	4	6	7	12	14
White	246	242	286	272	281
Unreported	24	22	25	27	33
Asian	2	5	4	2	2
Total	2748	2945	3163	3151	3048

Educational Planning:

Mathematics and Mathematics and Sciences programs have about 15% of students with an educational plan, whereas College-wide the rate is about 12%. However, math needs a paid faculty lead to work with a counselor and team up to handle the recruitment and advising of the students considering mathematics.

Awards:

a. Mathematics degrees:

As our program has grown, so has the amount of awards. It is interesting that the increase in number of awards is primarily in the Hispanic/Latinx group. I think it is telling that only 2 total Asian females and 4 total Black students have earned an award over the last 5 years.

Data Review

Degrees						
Gender x Ethnicity	15-16	16-17	17-18	18-19	19-20	Total
Female	2	3	10	8	16	39
Asian				1	1	2
Black	1				1	2
Hispanic/Latino	1	3	4	4	10	22
Two or More Races			1			1
White			5	3	4	12
Male	7	8	16	20	27	78
Asian		1	4	4	6	15
Black			1	1		2
Hispanic/Latino	3	6	6	9	14	38
White	4	1	5	6	7	23
Total	9	11	26	28	43	117

b. Mathematics and Sciences degrees:

This roughly follows the same trend of growth in the program with a steady decline in the last two years. However, males did not see a decrease whatsoever. This means males tend to earn an award at a higher rate than females tend to earn an award at a higher rate than females. Again, it is quite remarkable how few Black students, Black males in particular who earn an award.

Data Review

Gender x Ethnicity	15-16	16-17	17-18	18-19	19-20	Total
<input type="checkbox"/> Female	87	98	141	113	104	543
Asian	8	11	16	14	16	65
Black	2	4	13	4	6	29
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White	25	35	30	29	28	147
<input type="checkbox"/> Male	47	59	86	73	88	353
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Asian	5	4	16	17	20	62
Black	4	3	2	3	2	14
Hispanic/Latino	22	30	43	35	33	163
Two or More Races	4	1	3	2	3	13
Unknown/Unreported	1			1	1	3
White	11	20	22	15	29	97
<input type="checkbox"/> Unreported	4	3	3	4	1	15
Asian					1	1
Black	1					1
Hispanic/Latino	2	2	3	1		8
Unknown/Unreported	1	1		1		3
White				2		2
Total	138	160	230	190	193	911

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?

As we see in the data, there are equity gaps present in our African American and Hispanic students success rates. Currently our department is working on equity initiatives and projects to specifically target and eliminate these specific equity gaps.

In particular, We have our support courses for MAT 5, MAT 12, MAT 25, and MAT 36 that are supposed close equity gaps according to research done by the California Acceleration Project. (These classes started Fall 19, but we hope to gather more face-to-face data before making conclusions on the effectiveness.) "Mastery grading" is being implemented by one faculty member to determine the effects on the equity gaps. The department would like to consider changing course caps to 36 students. We offer MAT 12 for Umoja, Puente, Men of Color programs and plan to offer 36 to 1B during the 2021 to 2022 school year.

We are participating in a district-wide Math Summer Institute in Summer 2021 specifically targeting these student populations and giving them every possible resource we can think of (embedded tutors, community of practice, student success coaches, paid resources, paid tuition, and a financial stipend) to help students get through a transfer-level math course this Summer.

We submitted an NSF grant proposal titled "The Gonzalez-Escalante Math Project." This proposal specifically targeted our African American and Hispanic STEM student populations and focused on creating

Data Review

meaningful professional development with the goal of increasing access, interest, and success in math courses.

We have three math faculty who were accepted into the "Racial Equity in Mathematics Leadership Institute" for Summer 2021. This institute is sponsored by the USC Center for Urban Education and the state Chancellor's office to achieve the following:

- Cultivating an awareness of race and racism and its manifestations in the math classroom,
- Practicing race-consciousness in an affirmative sense when interpreting data,
- Taking responsibility for "seeing" classroom practices as racialized, and
- Taking the actions necessary to dismantle practices that perpetuate racial gaps in classroom outcomes.

Our department is also actively looking for equity focused professional development that we can use in our upcoming courses.

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)

Yes

Assessment Review

2021 - 2024

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

Which Disciplines are included in this Assessment?

Mathematics

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

92%

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

MAT 42 is not completely assessed(SLOs 1, 3 and 4) as the course has not been taught since the implementation of AB705 in Fall 2019. We are currently in the process of deciding how we will use MAT 42 in future terms, if at all.

MAT 105(SLO 1) and 136(SLO 1) are new courses which started in Fall 2019. The plan was to assess them during Spring 2020, however we decided to push off the assessments until we returned from the Covid pandemic. We plan to assess these in Fall 2021.

MAT 35 (SLO 1 and 3) have not been assessed for similar reasons as above. We recently rewrote the MAT-35 COR and have not yet had a chance to assess these SLOs due to the Covid pandemic. We plan to do these assessments when we return in Fall 2021.

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

Are all SLOs mapped to at least one PLO?

No

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

MAT 52, 53, 64, 65 are not mapped, however, these courses will not be taught at Norco College any more. Most have been excluded from Norco or deleted by the discipline. MAT 42 may end up being removed from being taught at Norco (the fate is TBD).

(MAT 5 and 11 were mapped recently if they are still showing)

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)

Yes

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

All courses are mapped. (MAT-1C was mapped recently if it still is showing.)

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

Which Programs are included in this Assessment?

ADT - Mathematics and AOE - Math & Science

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

PLO 1 - ADT: Mathematics. PLO 2 - ADT Mathematics

To what do you attribute this success?

Instruction, support from Math success center, student connections to college through STEM club or other programs.

Assessment Review

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

PLO 1: AOE - Math and Science. PLO 2: AOE - Math and Science. PLO 3: AOE - Math and Science

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

PLO 1 and 2 were never assessed and PLO 3 does not appear to have a complete assessment. The first step would be to assess this program and see where we land in terms of our benchmarks. This will likely need to be coordinated through the research office on campus.

Section 4: Alignment to Career and Transfer

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

For the math ADT, we had to look at our course SLOs and determine which of them appropriately map into the either given PLO.

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).

STEM club with visits to local Cal States, UCs and hands-on projects; stats projects by students in some of our stats courses.

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.).

Mathematics students need to know how to think abstractly and produce fine-tuned logical arguments.

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

I left out that students also need to be able to look at real data or situations and develop mathematical models to analyze using the abstract and logical minds.

Program Review: Part 1

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

GOALS AND ACTIVITIES

What are you doing now in support of this goal?

Offering Dual enrollment courses with a goal of getting students math requirement accomplished, but also a secondary goal of reaching the students to complete their first couple years of college at Norco College.

Creation of a Stats/Data science course. Data science introduction and Calculus based statistics courses are currently being written – draft CORs were presented to the discipline Spring 2021.

CRC – Next Phase program. We offer MAT 105/5 and 112/12 at the local prison.

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

We would like to expand the course offerings to more local high schools.

We would like to recruit more students to be math majors. (However, we need a faculty member that can take on the role as advisor and recruiter.)

We would like to continue to offer MAT 105/5 and 112/12 at the local prison.

EVIDENCE

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

No assessment data at this time. (We need to research how many dual enrollment students continue at Norco College after high school to see if the secondary goal of recruitment is met.)

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)

Yes

EMP GOAL 2. Implement Guided Pathways framework.

GOALS AND ACTIVITIES

What are you doing now in support of this goal?

Creation of support courses is allowing students to immediately access transfer level math course requirement in their pathway.

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

Continued growth as possible.

Continue implementing support courses.

The Math learning center coordinator will work with the AB705 coordinator on topics for the DLAs appropriate and sufficient in the Math success center.

EVIDENCE

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

Not yet, the shift to emergency online has halted our assessment process. We plan to renew our assessments as needed in Fall 2021.

Program Review: Part 1

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)

Yes

EMP GOAL 3. Close all student equity gaps.

GOALS AND ACTIVITIES

What are you doing now in support of this goal?

AB 705 support courses to get students through their math requirement in one semester. (We need an AB705 coordinator to support the faculty and continue to grow the resources at the Math success center.)
Professional development regarding equity.

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

We plan to continue offering the classes indefinitely as long as the data suggests students are just as successful with the support route compared to the other options (MAT 65 to 52 to 35, then MAT 12, 25, 5, 11 or MAT 65 to 52 to 35 to 36, then MAT 10 followed by Calculus sequence).

Continue with professional development regarding equity.

EVIDENCE

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

The assessment data will be completed once we are back on campus and we allow the support program an opportunity to develop.

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)

Yes

EMP GOAL 4. Implement professional development around Guided Pathways and equity framework; foster a culture of ongoing improvement.

GOALS AND ACTIVITIES

What are you doing now in support of this goal?

AB 705 communities of practice. These communities are all about faculty supporting each other and continually finding ways to grow as instructors. The goal is to create the best support program for our students. This group will also communicate with the Math success center which will develop DLAs for the support courses.

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

The more the community of practice can meet and grow, the better off the classes will be. Also, the better off the Math success center will be with students attending for DLAs in addition to tutoring.

EVIDENCE

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

No. We only had one true face-to-face semester.

Program Review: Part 1

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)

Yes

Program Review Part 2

2021 - 2024

Curriculum

Are all your courses current (within four years)?

No

What percentage of your courses are out of date?

10% or less

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

No

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

MAT 12 DE has not been updated since 07/02/2012. This must have been overlooked as math updated all the courses recently when changing SLOs to Objectives and condensing the new objectives to SLOs occurred.

The plan is to bring this to the discipline to be updated. It should not take long of updated the COR since it is for DE and likely modifications will be minimal.

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

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?

I need data from the Dual enrollment courses. Success, retention, and how many students end up enrolling at Norco college after high school.

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

Resource Requests

2023 - 2024 Update

Resource Request

What resources do we already have?

What resources do you need?

Base budget for Tutor salaries to support Tutorial Services Operations

Request related to EMP goal or Assessment?

EMP Goal 2,EMP Goal 3,EMP Goal 12

\$ Amount Requested

214,000

Resource Type

BUDGET: Request Ongoing Funding (Professional Development, Department or Program Support, Outreach, Marketing)

Potential Funding Source(s)

The evidence to support this request can be found in:

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.

We have a history of finding and searching for funding for the LRC and the Math tutors to overcome the lack of budget for the area. This semester tutoring did not start until Week 3 of the semester and there can be times when we do not have any math tutors or only have one on ground. When this occurs, students who have taken the time to come to the LRC do not get an experience that makes them want to return. To combat AB705 and the upcoming AB1705, we need more support resources in our area. Many faculty are resorting to embedded tutors and expanding how we currently use the math success center to help our students.

EMP Goal 2- In order for guided pathways to be successful, we need students to get through their transfer level math coursework. Adding more tutors and help in the classroom would give us more resources to make this happen.

EMP Goal 3- To close the equity gaps, we need more resources in the form of tutors to connect with our disproportionately affected students.

EMP Goal 12 - When thinking of our tutoring options in the LRC, it pales in comparison to other colleges. We have very limited faculty in the LRC currently and need more bodies to make the center work as intended.

This request for my area is Priority #:

Is this request:

New

Resource Requests

For Administrative Use Only

Funding Status

Notes

Council Ranking

2022-23 Council Ranking

2022-23 Notes

2023 - 2024 Update

Resource Request

What resources do we already have?

White boards

What resources do you need?

Class white boards on majority of walls for student participation

Request related to EMP goal or Assessment?

EMP Goal 3

\$ Amount Requested

600

Resource Type

ITEM: Equipment, Services, Software, Furniture

Potential Funding Source(s)

Instructional Equipment Allocation,Equity

The evidence to support this request can be found in:

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.

This request for my area is Priority #:

Is this request:

New

For Administrative Use Only

Funding Status

Notes

Council Ranking

Resource Requests

2022-23 Council Ranking

2022-23 Notes

2023 - 2024 Update

Resource Request

What resources do we already have?

What resources do you need?

Class set of 45 hand held white boards

Request related to EMP goal or Assessment?

EMP Goal 3

\$ Amount Requested

200

Resource Type

ITEM: Equipment, Services, Software, Furniture

Potential Funding Source(s)

Instructional Equipment Allocation,Equity

The evidence to support this request can be found in:

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.

This request for my area is Priority #:

Is this request:

New

For Administrative Use Only

Funding Status

Notes

Council Ranking

2022-23 Council Ranking

2022-23 Notes

Resource Requests

2023 - 2024 Update

Resource Request

What resources do we already have?

What resources do you need?

Each semester, Statcrunch software for dual enrollment

Request related to EMP goal or Assessment?

EMP Goal 3,EMP Goal 6

\$ Amount Requested

200

Resource Type

ITEM: Equipment, Services, Software, Furniture

Potential Funding Source(s)

Instructional Equipment Allocation,Equity,Department Regular Funding

The evidence to support this request can be found in:

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.

This request for my area is Priority #:

I have received this request

Is this request:

New

For Administrative Use Only

Funding Status

Notes

Council Ranking

2022-23 Council Ranking

2022-23 Notes

2023 - 2024 Update

Resource Request

What resources do we already have?

None

Resource Requests

What resources do you need?

MATLAB software for Calculus classes

Request related to EMP goal or Assessment?

\$ Amount Requested

250

Resource Type

Potential Funding Source(s)

Department Regular Funding

The evidence to support this request can be found in:

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.

This request for my area is Priority #:

Is this request:

New

For Administrative Use Only

Funding Status

Notes

Council Ranking

2022-23 Council Ranking

2022-23 Notes

2021 - 2024

Resource Request

What resources do we already have?

None, we had a coordinator for three semesters.

What resources do you need?

AB 705 (community of practice) coordinator, .2 reassign

Request related to EMP goal or Assessment?

EMP Goal 2,EMP Goal 3,EMP Goal 4

\$ Amount Requested

22,000

Resource Type

BUDGET: Request Ongoing Funding (Professional Development, Department or Program Support, Outreach, Marketing)

Resource Requests

Potential Funding Source(s)

Equity,General Fund,Guided Pathways

The evidence to support this request can be found in:

Data Review,Program Review: Part 1

This request for my area is Priority #:

3

For Administrative Use Only

Funding Status

No Action-Insufficient funding

Notes

Forwarded to VPAA for funding consideration

Council Ranking

2022-23 Council Ranking

2022-23 Notes

2021 - 2024

Resource Request

What resources do we already have?

None

What resources do you need?

Community of practice for support course faculty (professional development). About 15 hours for 15 faculty members per semester (Fall and Summer)

Request related to EMP goal or Assessment?

EMP Goal 3,EMP Goal 2,EMP Goal 4

\$ Amount Requested

49,500

Resource Type

BUDGET: Request Ongoing Funding (Professional Development, Department or Program Support, Outreach, Marketing)

Potential Funding Source(s)

Equity,General Fund,Guided Pathways

The evidence to support this request can be found in:

Data Review,Program Review: Part 1

This request for my area is Priority #:

2

For Administrative Use Only

Funding Status

No Action-Insufficient funding

Resource Requests

Notes

Forwarded to PDC for funding consideration

Council Ranking

2022-23 Council Ranking

2022-23 Notes

2021 - 2024

Resource Request

What resources do we already have?

None

What resources do you need?

Faculty lead for Mathematics program recruitment and advising; .2 FTE

Request related to EMP goal or Assessment?

EMP Goal 1,EMP Goal 2

\$ Amount Requested

22,000

Resource Type

BUDGET: Request Ongoing Funding (Professional Development, Department or Program Support, Outreach, Marketing)

Potential Funding Source(s)

General Fund,Guided Pathways

The evidence to support this request can be found in:

Data Review

This request for my area is Priority #:

2

For Administrative Use Only

Funding Status

No Action-Insufficient funding

Notes

Forwarded to VPAA for funding consideration

Council Ranking

2022-23 Council Ranking

2022-23 Notes

Resource Requests

2021 - 2024

Resource Request

What resources do we already have?

What resources do you need?

Tenure Faculty

Request related to EMP goal or Assessment?

\$ Amount Requested

149,000

Resource Type

FACULTY: New Full time Faculty (Associate faculty requested through Dept. Chair and Dean)

Potential Funding Source(s)

General Fund

The evidence to support this request can be found in:

This request for my area is Priority #:

4

For Administrative Use Only

Funding Status

In Progress

Notes

NA

Council Ranking

2022-23 Council Ranking

2022-23 Notes

Submission

2021 - 2024

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

Yes